



F O C U S E D O N Y O U R S U C C E S S

“At Hikvision, solutions beyond security are focused on your success for projects of all sizes, to meet a wide range of application needs.”



About Hikvision

Hikvision is a world leading manufacturer and supplier of security products and solutions. Featuring an extensive and highly skilled R&D workforce, Hikvision manufactures a full suite of comprehensive products and solutions for a broad range of vertical markets. Whatever the scope or requirements of the application, Hikvision has a user-friendly, highly-scalable solution, and a support team to meet customer needs.

Hikvision's extensive and diverse North American team consists of professionals across the U.S. and Canada to provide local and national support that is focused on your success. Offices are located in Los Angeles, California, and Montreal, Canada, with an additional facility in Miami, Florida. Hikvision has established a Research and Development Centre in Montreal, Canada.

We invest heavily in R&D, hundreds of millions of dollars per year, to supply the market with reliable, secure and innovative technology with unmatched value. We believe that's the best game plan to provide Hikvision dealers with a competitive advantage out in the field, and to deliver the best value and innovative technology to end users.

Hikvision solutions pair excellent technology with outstanding value to deliver results for our customers.

At Hikvision, solutions beyond security are focused on your success for projects of all sizes, to meet a wide range of application needs.





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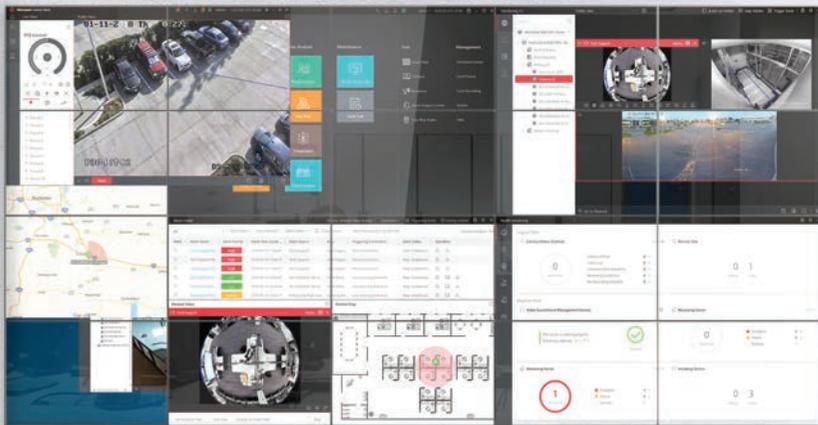


Overview

Featured within this product guide are the most popular Hikvision technologies for a wide range of applications, across many vertical markets, that provide solutions for various environmental conditions, common challenges, and unique customer requirements.

Our extensive product offering includes a broad portfolio of IP camera and recorders, HD over Coax analog cameras and recorders, intercom devices, access control solutions, and essential accessories such as network switches and monitors. Software solutions with integrated video and access control management are available to meet the needs of a variety of applications from small businesses to multi-site enterprises. You will also find a wide array of multi-sensor solutions and thermal cameras that meet the most restrictive budgets.

Hikvision has products and solutions for projects of all sizes and budgets, as well as high-end applications. Solutions such as our new Performance Series Thermal Cameras bring the best preventive thermal technology to the market, making it affordable, accessible and easy to install.



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HikCentral CMS

At Hikvision, we strive to develop and deliver the very best end-to-end solutions in the security industry. HikCentral Professional is a comprehensive central management system (CMS) that brings together powerful video surveillance and access control systems of any size. The modern and powerful desktop, web, and mobile clients can access the centralized system from anywhere. A key benefit of HikCentral is the flexibility to add functions and services from collaborative partners, making it possible to tailor the CMS to your specific needs and requirements. This highly efficient platform can be deployed on preloaded servers, virtual machines, and cloud services. HikCentral is a powerful, flexible and efficient security management platform.

HikCentral Professional has the power to manage multiple security systems from a single point of command and control. Video, access, intercom and alarm points are brought together and managed through a single graphical user interface, thereby reducing overall operational costs.

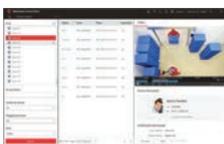
HikCentral Professional is modular, so you purchase only what you need and add more advanced modules any time with simple licensing. Licenses last till the end of the century with a one-time purchase and support remains free. HikCentral Professional has the flexibility to integrate with third-party access control, automation and other systems using the OpenSDK or, without any coding using HikCentral Optimus middleware. Multiple sites should not mean multiple systems to manage. HikCentral Professional helps you efficiently manage thousands of local, national or global sites from any computer. You can also login from a remote computer and receive intelligent alerts via text message on your smartphone, via email or the HikCentral mobile app.

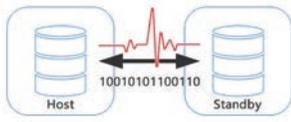
FEATURES

- Active Directory Integration with LDAP
- Modern Clients for Web, Workstation and Mobile
- Flexible Video Controls
- Powerful Video Search and Playback
- Intuitive Fisheye View Expansion and PTZ Controls
- Centralized Evidence Management
- Low Bandwidth Adaptability
- Advanced Alarm Management
- Powerful Map Integration
- Access Control Management
- Facial Recognition Surveillance and Access Control
- Dynamic Smart Walls with Graphics Cards and Decoding Devices
- License Plate Recognition Management
- Under Vehicle Surveillance System (UVSS)
- Device Maintenance with Batch Upgrading
- Health Monitoring and Audit Trail Assist Maintenance
- Automated Event, Alarm and Business Intelligence Reports
- Third-Party Integration with OpenSDK
- Third-Party Integration with HikCentral Optimus Middleware



HIKCENTRAL PROFESSIONAL 1.5

HIKCENTRAL				
Model				
	HikCentral-VSS-Base/4Ch HikCentral-VSS-Base/16Ch HikCentral-VSS-Base/64Ch HikCentral-VSS-Base/300Ch HikCentral-VSS-Base/HW/64Ch (w/ server) HikCentral-VSS-Base/HW/300Ch (w/ server)	HikCentral-ACS-Base/2Door HikCentral-ACS-Base/16Door	HikCentral-UVSS-Base	HikCentral-RSM-Base/2Site HikCentral-RSM-Base/HW/E3/2Site (w/ server)
Product Type	Software License /HW: Includes Server	Software License	Software License	Software License /E3: Includes Server
License Type	Video Surveillance System Base	Access Control System Base	Under Vehicle Surveillance System Base	Remote Site Management Base
Function	Central Management of Video Surveillance Systems	Central Management of Access Control Systems	Central Management of UVSS	Central Management of Multiple HikCentral Servers
Server Specifications	Software: None (Requires server or VM) /E3: Windows Server 2012 R2, Intel® Xeon® E3-1220 v5, 16GB DDR4, 1TBx2 in RAID 1, 120GB SSD, 1GbE x2, 1U, 3-year Platinum Dell Service	None (Requires server or VM)	None (Requires server or VM)	Software: None (Requires server or VM) /E3: Windows Server 2012 R2, Intel® Xeon® E3-1220 v5, 16GB DDR4, 1TBx2 in RAID 1, 120GB SSD, 1GbE x2, 1U, 3-year Platinum Dell Service
Licensed Devices	/4Ch: 4 Cameras /16Ch: 16 Cameras (/HW)/64Ch: 64 Cameras (/HW)/300Ch: 300 Cameras	/2Door: 2 Access Points /16Door: 16 Access Points	4 UVSS	2 HikCentral Servers
Camera Channel Capacity	3,000/Server	0	4	Software: 100,000 /E3: 18,000
Access Point Capacity	3,000/Server 10,000/2-Server (distributed deployment)	512	0	512 (current site)
HikCentral User Capacity	3,000	3,000	3000	3000
Expansion License	HikCentral-VSS-1Camera	HikCentral-ACS-1Door	---	HikCentral-RSM-1Site
Add-on Modules	<ul style="list-style-type: none"> • HikCentral-DockStation-1Station • HikCentral-SmartWall-Base • HikCentral-ANPR-Base • HikCentral-FacialReco-Base • HikCentral-BI Report-Base • HikCentral-Thermal Report-Base/1Ch • All Bases and their compatible licenses 	<ul style="list-style-type: none"> • HikCentral-Attendance-Base • All bases and their compatible licenses 	<ul style="list-style-type: none"> • All bases and their compatible licenses 	<ul style="list-style-type: none"> • All bases and their compatible licenses

SERVER REDUNDANCY	
Model	
	RoseReplicatorPlus For Windows(USBKEY1) RoseReplicatorPlus For Windows(USBKEY3)
Product Type	High Availability Software
License Type	USB Key
Function	Ensure System Availability
Server Specifications	None (Use on HikCentral servers)
Licensed Devices	One Standby Server
Description	High availability software to implement a standby server for one or more HikCentral host servers and ensure the CMS system remains operational even when the host server is down. RoseReplicator Plus is the preferred high availability solution for HikCentral servers where maximal uptime is important.

Purchase Options	(USBKEY1): 1 Year Warranty (USBKEY1): 3 Year Warranty
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Expansion Licenses

HikCentral-VSS-1Camera: Add one camera to VSS base. Orders of multiple camera licenses are provided as one indivisible license key.
HikCentral-ACS-1Door: Add one door/access point to ACS base. Orders of multiple door licenses are provided as one indivisible license key.
HikCentral-RSM-1Site: Add one HikCentral site to RSM base. Orders of multiple site licenses are provided as one indivisible license key.

Add-on Modules

HikCentral-DockStation-1Station: VSS add-on for connecting one body camera dock station. All video in connected Dock Stations can be searched by person's name or group name.
HikCentral-SmartWall-Base: VSS add-on smart wall module for integrated video wall management using Hikvision decoders, video wall controllers and 3rd party graphics cards.
HikCentral-ANPR-Base: VSS add-on automatic number plate recognition (ANPR) module for Hikvision license plate recognition (LPR) camera integration without channel limitation.
HikCentral-FacialReco-Base: VSS add-on facial recognition module for Hikvision facial recognition surveillance camera and NVR integration without channel limitation.
HikCentral-BI Report-Base: VSS add-on business intelligence module for statistical data reporting from Hikvision people counting, queue analysis and heat mapping cameras without channel limitation.
HikCentral-Thermal Report-Base /1Ch: VSS add-on thermal reporting module for statistical temperature data reporting from one Hikvision thermal camera per license.
HikCentral-Attendance-Base: ACS add-on attendance module enables personnel shift management and attendance reporting functionality for HikCentral 1.2 or later using access control devices.

CLIENT SOFTWARE & MOBILE APPS

iVMS-4200 Client Software for Microsoft Windows – No Licensing Fee

The Windows-based iVMS-4200 is a versatile client software application for Hikvision video surveillance, access control and video intercom systems. There are modules for live view, playback, event management, e-maps, attendance and smart device data reporting, such as people counting, queue analysis, heat mapping, license plate recognition and facial recognition. The new version of iVMS-4200 for Windows features a modern user interface with color scheme options, support for 33 languages, fast startup and shutdown, a completely modular installation with nine selectable modules, and a client-service architecture to enhance stability and enable continuity of event and data logs while the client is open or closed. The client software is widely applied to small-scale projects. Each client installation is configured, maintained and operated independently. The client software is free to download and use, and support is available for free.

	Model	iVMS-4200 V3.2 for Windows	
	Database	SQLite (encrypted)	
Client	General	Users	50 users and one super user
		E-Maps	256
		Encoding Devices	256 (DVR, NVR, IPC, encoder)
		Groups	256 groups, 256 channels for each group
		Channels	256 channels total
		Storage Servers	16
		Stream Media Servers	16
	Video	Live View Channels	64-ch live view at a time
		Auxiliary Screen Previews	4 auxiliary screens for live view
		Playback Channels	16-ch playback at a time (asynchronous/synchronous)
		Download Tasks	16-ch downloading tasks at a time
	Access Control	Organizations	10 hierarchies
		People	3,200
		Cards	16,000
		Access Groups	128
		Access Points	64
		Access Controllers	16
		Video Intercom Indoor Stations	512
		Shifts	64
	Time And Attendance Data	Retention time is limited only by available HDD space and amount of the data generated during usage.	
	Storage Server	Recording Performance	64-ch × 2 Mbps at a time
VOD Performance		64-ch × 2 Mbps at a time	
iVMS-4200 Client		128 iVMS-4200 clients connected to the Storage Server	
Stream Media Server	Incoming/Outgoing Streams	64-ch incoming and 200-ch outgoing video streams	



System Recommendations

Minimal	Processor	Intel® Core™ i5-6500
	Memory	8 GB DDR4 RAM
	Operating System	Microsoft® Windows 8.1 (64-bit)
	Video Card	Not required
Intermediate	Processor	Intel® Core™ i7-9700
	Memory	16 GB DDR4 RAM
	Operating System	Microsoft® Windows 10 (64-bit)
Maximal	Video Card	NVIDIA® GeForce GTX 1660 Ti
	Processor	Intel® Core™ i9-9900KS
	Memory	32 GB DDR4 RAM
	Operating System	Microsoft® Windows 10 (64-bit)
	Video Card	NVIDIA® GeForce RTX 2080Ti



CLIENT SOFTWARE & MOBILE APPS



iVMS-4200 Client Software for Apple macOS – No Licensing Fee

The iVMS-4200 for macOS is now a 64-bit version 2.0 with a new user interface, and new capabilities including Hik-Connect P2P support, thermal camera support, ATM/VCA/POS playback and more. There are modules for live view, playback, event management, and e-maps. It's suitable for Mac users needing to manage small-scale Hikvision video surveillance systems.

System Requirements	Hardware	Mac
	Operating System	macOS 10.12 to 10.15 (64-bit)



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Hikvision Views Mobile App

The Hikvision Views mobile app is a handy assistant for Hikvision dealers and installers. Easily select and compare Hikvision products with detailed information including pictures, specifications, drawings, and accessories. Use the included calculators for storage, bandwidth, NVR and lens estimations during the system design and product selection stage. Multiple languages including English, Spanish, and Portuguese are supported.



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Hik-Connect P2P/DDNS Platform and Mobile App

Quickly and securely set up your video surveillance and intercom systems for remote viewing on Android and Apple smartphones and tablets using the Hik-Connect mobile app, and on Windows and Mac computers using the iVMS-4200 client software. Hik-Connect allows users to stay in touch with home and business even when away with live video, event notifications, two-way audio communication, door intercom answering and unlocking, and video playback. See a comparison of the cloud peer-to-peer (P2P) and dynamic domain name system (DDNS) services provided for free by Hik-Connect below.

Hik-Connect Service	Cloud P2P	DDNS
Live Views	16-ch/page, 256-ch/group	16-ch/page, 256-ch/group
Multi-Playback Limit	4-ch	4-ch
Streaming Limit	5 min/play	Unlimited
Anonymous Usage	✓	✓
Hik-Connect App Support	✓	✓
iVMS-4200 Support	✓	✓
HikCentral Support	---	✓
Web Browser Support	---	✓
No Port Forwarding	✓	---
Dual Authentication (Hik-Connect and Device)	✓	✓
Device Sharing Management	✓	---

IP CAMERA COMPARISON CHART



Levels	VALUE EXPRESS	VALUE	PERFORMANCE	PROFESSIONAL	
Key Features	<ul style="list-style-type: none"> Entry-level budget cameras 2 and 4 MP models Fixed and varifocal lenses and PTZs New numbering scheme Matching 4- and 8-channel NVRs 	<ul style="list-style-type: none"> A step up without stretching the budget Uses the latest video compression (H.265+) Multiple resolutions available Multiple lens sizes, includes varifocal Latest EXIR 2.0 IR technology 	<ul style="list-style-type: none"> Our most popular cameras Ultra Low Light - Powered by DarkFighter Integrates well with Pro and Plug and Play NVRs ColorVu (2xx7) 24/7 color imaging AcuSense (2x46) human and vehicle detection 	<ul style="list-style-type: none"> High performance, fully-loaded project cameras Wider field of view with f/1.2 lens; unique rapid auto-focus Unique anti-reflection dome with anti-fog lens cover Up to 10 video streams share video at multiple locations 	<ul style="list-style-type: none"> All the same high performance specs as 5 Series Deep Learning video analysis Human and vehicle detection Advanced face-capture capability Best cameras for DeepinMind NVRs
Series	ECI	2xx3	2xx5 ColorVu 2xx7 AcuSense 2x46	5 Series	DeepinView 7 Series
Image Quality	2 MP: 0.028 Lux, Digital WDR 4 MP: 0.018 Lux, 120 dB True WDR	2 MP: 0.028 Lux 4 MP: 0.018 Lux 6 MP: Color: 0.028 Lux 120 dB True WDR	2 MP: 0.009 Lux – 0.0035 Lux (2xx7) 4 MP: 0.011 Lux – 0.0014 Lux (2xx7) 5 MP: 0.028 Lux 6/8 MP: 0.028 Lux - 0.011 Lux Powered by DarkFighter 120 dB True WDR	2/4 MP: Color: 0.002 Lux 6/8 MP: Color: 0.007 Lux 12 MP: Color: 0.008 Lux 2/4 MP DarkFighter: 120 dB True WDR 2/4 MP: 140 dB WDR	2 MP: Color: 0.004 Lux 4 MP: Color: 0.005 Lux 8 MP: Color: 0.016 Lux 2/4 MP DarkFighter: + LightFighter 120 dB True WDR 2/4 MP: 140 dB WDR
Max Resolution	4 MP	6 MP	8 MP	12 MP	8 MP
Codec	H.265+	H.265+	H.265+	H.265+	H.265+
Video Content Analysis	---	3 VCA Line Crossing, Intrusion, Face Detection	5 VCA Includes Value VCA plus, Object Removal, Unattended Baggage	10 VCA Includes Performance VCA plus, Entry and Exit Detection, Scene Change, Audio Exception, Defocus	10 VCA Includes 5 series VCA plus Human/Vehicle/Face detection with Deep Learning GPU
Multiple Streams	2	3	3	10	10
Max Frame Rate	30 fps	30 fps	2 MP @ 60 fps (2xx5) 2 MP @ 30 fps (2xx7)	2 MP @ 60 fps	2 MP @ 60 fps
EXIR 2.0 Range Max (meters)	EXIR, 30	30	8/10/30/50 (2xx7 White Light)	10/30/50	30/50/100
Power Output for PIR, Sensors, Microphones	---	---	2xx7 includes white light 2x46 includes strobe light and alarm (SL models)	✓	✓
Electric Image Stabilization/ Defog	---	---	---	✓	✓
Temperature Range	-30° C to 50° C (-22° F to 122° F)	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)	-40° C to 65° C (-40° F to 149° F) Outdoor models with heaters only	-40° C to 60° C (-40° F to 140° F) Outdoor models with heaters only





32 MP PanoVu Series Panoramic Dome Camera
DS-2CD6984F-IHS

Smart Pro IP Cameras

Smart Pro IP solutions include a wide array of products for professional applications. Enhanced with Hikvision smart technologies, Hikvision's smart IP and PTZ cameras, specialty stainless steel cameras and upright PTZs, PanoVu multi-sensor cameras, thermal solutions, the HikCentral central management system, and Smart NVRs—are all designed to deliver intelligent security for the modern marketplace. These professional solutions deliver high performance technology for enterprise applications. Whether you're securing a large facility or small business, you will find the most advanced products in the Smart Pro IP product offering.

FEATURES

- High performance, fully-loaded project cameras with up to 140 dB WDR (Wide Dynamic Range) and up to 32 MP in PanoVu multi-sensor cameras, with lenses ranging from fixed to 50x optical zoom in PTZ cameras.
- Multiple form factors, including indoor/outdoor dome, bullet, fisheye, covert, upright PTZ, stainless steel and 360-degree panoramic view domes.
- Thermal cameras with low, medium and high resolutions, pseudo colors and accurate fire detection. New Performance Series Thermal models are affordably priced to enhance any application, and they include unique features such as picture-in-picture, image fusion and temperature monitoring
- Smart analytics add to the high-performance capabilities and include detection of line crossing, intrusion, region entrance and exit, unattended baggage, object removal, scene change, sudden audio increase/decrease, audio loss, defocus, object counting, defog and LPR (license plate recognition).

APPLICATION EXAMPLES



Commercial Real Estate



Education



Healthcare

NETWORK CAMERAS - SMART PRO SERIES

	BOX CAMERA	INDOOR DOME	OUTDOOR DOME	OUTDOOR BULLET	OUTDOOR BULLET	
Model	Lens not included  *DarkFighter. LightFighter. 2/4 MP ONLY	EXIR 2.0  *DarkFighter. LightFighter. 2/4 MP ONLY	EXIR 2.0  *DarkFighter. LightFighter. 2/4 MP ONLY	EXIR 2.0  *DarkFighter. LightFighter. 2/4 MP ONLY	EXIR 	
Megapixels	DS-2CD5026G0-AP DS-2CD5046G0-AP DS-2CD5065G0-AP DS-2CD5085G0-AP DS-2CD50C5G0-AP	DS-2CD5126G0-IZS DS-2CD5146G0-IZS DS-2CD5165G0-IZS DS-2CD5185G0-IZS DS-2CD51C5G0-IZS	DS-2CD5526G0-IZHS DS-2CD5526G0-IZHS8 DS-2CD5546G0-IZHS DS-2CD5546G0-IZHS8 DS-2CD5565G0-IZHS DS-2CD5585G0-IZHS DS-2CD5585G0-IZHS8 DS-2CD55C5G0-IZHS	DS-2CD5A26G0-IZHS DS-2CD5A26G0-IZHS8 DS-2CD5A46G0-IZHS DS-2CD5A46G0-IZHS8 DS-2CD5A65G0-IZHS DS-2CD5A65G0-IZHS8 DS-2CD5A85G0-IZHS DS-2CD5A85G0-IZHS8 DS-2CD5AC5G0-IZHS	DS-2CD4A24FWD-IZH	
Sensor Size (Progressive Scan CMOS)	2/4/6/8/12 MP	2/4/6/8/12 MP	2/4/6/8/12 MP	2/4/6/8/12 MP	2 MP	
Min. Illumination (lux)	2/4/6/8 MP: 1/1.8" 12 MP: 1/1.7"	2/4/6/8 MP: 1/1.8" 12 MP: 1/1.7"	2/4/6/8 MP: 1/1.8" 12 MP: 1/1.7"	2/4/6/8 MP: 1/1.8" 12 MP: 1/1.7"	1/2.8"	
Min. Illumination (lux)	2/4 MP: Color: 0.002 @ f/1.2 6/8 MP: Color: 0.007 @ f/1.2, 12 MP: Color: 0.008 @ f/1.2, B/W: 0 with IR	2/4 MP: Color: 0.002 @ f/1.2 6/8 MP: Color: 0.007 @ f/1.2, 12 MP: Color: 0.008 @ f/1.2, B/W: 0 with IR	2/4 MP: Color: 0.002 @ f/1.2 6/8 MP: Color: 0.007 @ f/1.2, 12 MP: Color: 0.008 @ f/1.2, B/W: 0 with IR	2/4 MP: Color: 0.002 @ f/1.2 6/8 MP: Color: 0.007 @ f/1.2, 12 MP: Color: 0.008 @ f/1.2, B/W: 0 with IR	Color: 0.008 @ f/1.5, B/W: 0 with IR	
Lens, Field of View (HxV)	C/CS mount lens sold separately	2.8 to 12 mm @ f/1.2, motorized, autofocus	IZHS: 2.8 to 12 mm @ f/1.2, IZHS8: 8 to 32 mm @ f/1.4 or 1.8 All: motorized, autofocus	IZHS: 2.8 to 12 mm @ f/1.2, IZHS8: 8 to 32 mm @ f/1.4 or 1.8 All: motorized, autofocus	20x zoom lens, motorized, autofocus 4.7 to 94 mm (H 55° to 3°, V 31.6° to 1.8°) @ f/1.5	
Day/Night, BLC, WDR	2/4 MP: True, Yes, 140 dB 6/8 MP: True, Yes, 120 dB 12 MP: True, Yes, Digital	2/4 MP: True, Yes, 140 dB 6/8 MP: True, Yes, 120 dB 12 MP: True, Yes, Digital	2/4 MP: True, Yes, 140 dB 6/8 MP: True, Yes, 120 dB 12 MP: True, Yes, Digital	2/4 MP: True, Yes, 140 dB 6/8 MP: True, Yes, 120 dB 12 MP: True, Yes, Digital	True, Yes, 120 dB	
IR Range Max (meters)	---	30 (8-32 mm lens = 50 m)	50 (8-32 mm lens = 100 m)	30 (8-32 mm lens = 50 m)	120	
Video Compression	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.264+/H.264/MJPEG	
Max. Image Resolution (pixels) and Frame Rate	2 MP: 1920x1080, 60 4 MP: 2560x1440, 30 6 MP: 3200x1800, 30 8 MP: 3840x2160, 30 12 MP: 4000x3000, 20	2 MP: 1920x1080, 60 4 MP: 2560x1440, 30 6 MP: 3200x1800, 30 8 MP: 3840x2160, 30 12 MP: 4000x3000, 20	2 MP: 1920x1080, 60 4 MP: 2560x1440, 30 6 MP: 3200x1800, 30 8 MP: 3840x2160, 30 12 MP: 4000x3000, 20	2 MP: 1920x1080, 60 4 MP: 2560x1440, 30 6 MP: 3200x1800, 30 8 MP: 3840x2160, 30 12 MP: 4000x3000, 20	2 MP: 1920x1080, 60 4 MP: 2560x1440, 30 6 MP: 3200x1800, 30 8 MP: 3840x2160, 30 12 MP: 4000x3000, 20	1920x1080, 30
Audio Input/Output	IN: 1 line OUT: 1 line	IN: 1 line OUT: 1 line	---	IN: 1 line OUT: 1 line	---	
Alarm Input/Output	2/2	1/1	2/2	1/1	---	
Ratings	UL/cUL Listed	IK10, UL/cUL Listed	IP67, IK10, UL/cUL Listed	IP67, IK10, UL/cUL Listed	IP67, UL/cUL Listed	
Operating Temperature Range	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)	-40° C to 65° C (-40° F to 149° F)	-40° C to 65° C (-40° F to 149° F)	-40° C to 60° C (-40° F to 140° F)	
Power Requirements (max.)	24V AC, 12V DC, PoE (802.3af), 10 W	12V DC, PoE (802.3af), 10.5 W	12V DC, PoE (802.3at), 17 W	12V DC, PoE (802.3at), 18 W	12V DC, PoE+ (802.3at), 15 W	
Brackets	WBS, PP2	PC130, WML, CPM, CPME, PM, CM, RCM-1, AB135	PC155, WML, CPM, PM1, CM1, SRSL, SRS	PC155, WML, CPM, PM1, CM1	PM, CM, Includes CB130	

Complies with ONVIF (Profile S and G), CGI ISAPI. Contact for factory details.
See data sheet for supported analytics. HEOP capability available in FW 5.5.90 for 2 MP and 4 MP models.



NETWORK CAMERAS - SMART PRO SERIES

	LICENSE PLATE RECOGNITION	LICENSE PLATE RECOGNITION - DEEPIVIEW	OUTDOOR BULLET	COUNTING CAMERA	DUAL LENS - DEEPIVIEW	FISHEYE INDOOR
Model			DarkFighterX. 			
	DS-2CD4A26FWD-IZHS/P DS-2CD4A26FWD-IZHS8/P	DS-2CD7A26G0/P-IZHS DS-2CD7A26G0/P-IZHS8	DS-2CD5028G0/E-HI	iDS-2CD6412FWD/C	iDS-2CD6810F/C	DS-2CD6332FWD-I DS-2CD6332FWD-IS DS-2CD6362F-I DS-2CD6362F-IS
Megapixels	2 MP	2 MP	2 MP	1.3 MP	0.6 MP	3/6 MP
Sensor Size (Progressive Scan CMOS)	1/1.8"	1/1.8"	Dual-sensor, 1/2.8"	1/3"	1/3"	3 MP: 1/3" 6 MP: 1/1.8"
Min. Illumination (lux)	Color: 0.0027 @ f/1.4 B/W: 0 with IR	Color: 0.002 @ f/1.2 B/W: 0 with IR	Color: 0.001 @ f/1.5 AGC ON B/W: 0.0001 @ f/1.5 AGC ON, 0 with IR	Color: 0.028 @ f/2.0, AGC ON B/W: 0.0028 @ f/2.0, AGC ON	B/W: 1.2 @ f/2.0	3 MP: Color: 0.28 @ f/2.0 6 MP: Color: 0.25 @ f/2.6 All: B/W: 0 with IR
Lens, Field of View (HxV)	IZHS: 2.8 to 12 mm (92° to 32°) @ f/1.4 IZHS8: 8 to 32 mm (42° to 13.5°) @ f/1.4	-IZHS: 2.8 to 12 mm (H 103.3° to 38.6°, V 54.2° to 21.9°) @ f/1.2 -IZHS8: 8 to 32 mm (H 42.5° to 13.4°, V 23.4° to 7.7°) @ f/1.6 All: motorized, autofocus	5 to 50 mm (H 60.5° to 6.3°, V 34.9° to 3.54°) @ f/1.5 to f/2.9, motorized, autofocus	2.1 mm (115°) @ f/2.2 2.8 mm (92.5°) @ f/2.0	2 mm (105°) @ f/2.2 2.8 mm (83°) @ f/2.0 4 mm (63°) @ f/2.2	3 MP: 1.19 mm (360°) @ f/2.0 6 MP: 1.27 mm (360°) @ f/2.6
Day/Night, BLC, WDR	True, Yes, 120 dB	True, Yes, 140 dB	True, Yes, 120 dB	Electronic, Yes, 120 dB	---	3 MP: True, Yes, 120 dB 6 MP: True, Yes, Digital
IR Range Max (meters)	IZHS8/P: 50 IZHS/P: 100	IZHS: 50 IZHS8: 100	100	---	---	15
Video Compression	H.264+/H.264/MPEG4/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.264+/H.264/MJPEG	H.264/MJPEG/MPEG4	H.264	H.264/MJPEG
Max. Image Resolution (pixels) and Frame Rate	1920x1080, 30	1920x1080, 60	1920x1080, 30	1280x960, 30	640x960, 24	3 MP: 2048x1536, 30 6 MP: 3072x2048, 25
Audio Input/Output	IN: 1 line/mic OUT: 1 line	---	IN: 1 line OUT: 1 line	IN: 1 line/mic OUT: 1 line	---	-I: Built-in mic and speaker -IS: Built-in mic/audio in, Speaker/audio out
Alarm Input/Output	1/1	2/2	2/2	1/1	1/1	-IS: 1/1
Ratings	IP67, UL/cUL Listed	IP67, UL/cUL Listed	UL/cUL Listed	UL/cUL Listed	---	UL/cUL Listed
Operating Temperature Range	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-30° C to 60° C (-22° F to 140° F)	-10° C to 40° C (14° F to 104° F)	-10° C to 50° C (-14° F to 122° F)
Power Requirements (max.)	12V DC, PoE+ (802.3at), 19.2 W	12V DC, PoE+ (802.3at), 16.5 W	24V AC, 43 W with heater	12V DC, 7.5 W	12V DC, 7 W	12V DC, PoE (802.3af), 12.18 W
Brackets	PM, CM, Includes CB130	PM1, CM1, PM-LPR	WBL	---	Includes ceiling mount, optional WM6810, CM6810, PP1	PC-FE, AB-FE, CB-FE, CPM

Complies with ONVIF (Profile S and G), CGI ISAPI. Contact for factory details.
See data sheet for supported analytics. HEOP capability available in FW 5.5.90 for 2 MP and 4 MP.

NETWORK CAMERAS - SMART PRO SERIES

	FISHEYE OUTDOOR	FISHEYE INDOOR RECESSED MOUNT				ULTRA-WIDE PANORAMIC OUTDOOR	
Model		 NEW	 NEW	 NEW	 NEW	 NEW	
	DS-2CD6332FWD-IV DS-2CD6362F-IV DS-2CD6362F-IVS DS-2CD63C2F-IV DS-2CD63C2F-IVS	DS-2CD6365G0E-IS DS-2CD63C5G0E-IS	DS-2CD6365G0E-IVS DS-2CD63C5G0E-IVS	DS-2CD63C5G0-IS	DS-2CD63C5G0-IVS	DS-2CD6365G0E-S/RC DS-2CD63C5G0E-S/RC	DS-2CD6W32FWD-IVS
Megapixels	3/6/12 MP	6/12 MP		12 MP		6/12 MP	3 MP
Sensor Size (Progressive Scan CMOS)	3 MP: 1/3" 6 MP: 1/1.8" 12 MP: 1/1.7"	6 MP: 1/1.8" 12 MP: 1/1.7"		12 MP: 1/1.7"		6 MP: 1/1.8" 12 MP: 1/1.7"	1/3"
Min. Illumination (lux)	3 MP: Color: 0.28 @ f/2.0 6 MP: Color: 0.25 @ f/2.6 12 MP: Color: 0.04 @ f/2.4 All: B/W: 0 with IR	6 MP: Color: 0.047 @ f/2.6 12 MP: Color: 0.082 @ f/2.8 All: B/W: 0 with IR		12 MP: Color: 0.082 @ f/2.8 B/W: 0 with IR		6 MP: Color: 0.01 @ f/1.2 12 MP: Color: 0.06 @ f/2.4 All: B/W: 0 with IR	Color: 0.1 @ f/1.2 B/W: 0 with IR
Lens, Field of View (HxV)	3 MP: 1.19 mm (360°) @ f/2.0 6 MP: 1.27 mm (360°) @ f/2.6 12 MP: 2 mm (360°) @ f/2.4	6 MP: 1.27 mm (360°) @ f/2.6 12 MP: 2 mm (360°) @ f/2.8		12 MP: 2mm (360°) @ f/2.8		6 MP: 1.27 mm (360°) @ f/2.6 12 MP: 2 mm (360°) @ f/2.4	2 mm (135°x98°) @ f/2.4
Day/Night, BLC, WDR	3 MP: True, Yes, 120 dB 6/12 MP: True, Yes, Digital	6 MP: True, Yes, Digital 12 MP: True, Yes, Digital		True, Yes, Digital		True, Yes, Digital	True, Yes, 120 dB
IR Range Max (meters)	15	15		15		---	15
Video Compression	H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG		H.265+/H.265/H.264+/H.264/MJPEG		H.265+/H.265/H.264+/H.264/MJPEG	H.264
Max. Image Resolution (pixels) and Frame Rate	3 MP: 2048x1536, 30 6 MP: 3072x2048, 25 12 MP: 4000x3072, 20	6 MP: 3072x2048 12 MP: 4000x3000		12 MP: 4000x3000		6 MP: 3072x2048 12 MP: 4000x3000	2048x1536, 30
Audio Input/Output	-IV: Built-in mic and speaker -IVS: Built in mic/audio in, Speaker/audio out	Built in mic/audio in, Speaker/audio out		Built in mic/audio in, Speaker/audio out		1 audio input (line in, 3.5 mm), 1 audio output (line out, 3.5 mm); 2 built-in microphones, mono sound	Built-in speaker and mic
Alarm Input/Output	S model: 1/1	1/1		1/1		1/1	1/1
Ratings	IP66, IK10, UL/cUL Listed	-V model: IP67, IK10		-V model: IP67, IK10		---	IP66, IK10, UL/cUL Listed
Operating Temperature Range	-30° C to 60° C (-22° F to 140° F)	-40° C to 60° C (-40° F to 140° F)		-40° C to 60° C (-40° F to 140° F)		-10° C to 40° C (14° F to 104° F)	-30° C to 60° C (-22° F to 140° F)
Power Requirements (max.)	12V DC/PoE (802.3af), 3/6 MP: 12 W, 12 MP: 14.7 W	12V DC, 0.9 A, max. 11 W PoE (802.3af, 36 to 57 V), 0.3 A to 0.2 A, max. 12 W		12 VDC, 0.9 A, max. 11 W PoE (802.3af, 36 to 57 V), 0.3 A to 0.2 A, max. 12 W		12 VDC, 0.5 A, max. 6 W PoE (802.3af, 36 to 57 V), 0.3 A to 0.2 A, max. 12 W	12V DC, PoE (802.3af), 12 W
Brackets	PC-FE, AB-FE, CB-FE, CPM	CB-FE, AB-FE, PC-FE		---		---	Included

Complies with ONVIF (Profile S and G), CGI ISAPI. Contact for factory details.
See data sheet for supported analytics. HEOP capability available in FW 5.5.90 for 2 MP and 4 MP.



NETWORK CAMERAS - SMART PRO SERIES

	CORNER FISHEYE	DETENTION GRADE CORNER MOUNT	COVERT BASE UNIT	COVERT LENS ONLY		
Model						
	DS-2CD6W32FWD-IVSC	DS-2CD6W32FWD-IVSD	DS-2CD6412FWD-C2	DS-2CD6412FWD-L10	DS-2CD6412FWD-L20	DS-2CD6412FWD-L30
Megapixels	3 MP	3 MP	---	1.3 MP	1.3 MP	1.3 MP
Sensor Size (Progressive Scan CMOS)	1/3"	1/3"	---	1/3"	1/3"	1/3"
Min. Illumination (lux)	Color: 0.1 @ f/1.2 B/W: 0 with IR	Color: 0.1 @ f/1.2 B/W: 0 with IR	---	Color: 0.037 @ f/2.3	Color: 0.037 @ f/2.3	Color: 0.028 @ f/2.0
Lens, Field of View (HxV)	2 mm (135°x98°) @ f/2.4	2 mm (135°x98°) @ f/2.4	Lens dependent	Fixed, 3.7 mm @ f/2.3	Fixed, 3.7 mm @ f/2.3	Fixed, 2.8 mm, 4 mm @ f/2.0
Day/Night, BLC, WDR	True, Yes, 120 dB	True, Yes, 120 dB	---	Electronic, Yes, zone optional, 120 dB	Electronic, Yes, zone optional, 120 dB	Electronic, Yes, zone optional, 120 dB
IR Range Max (meters)	15	15	---	---	---	---
Video Compression	H.264	H.264	H.264/ MPEG4/MJPEG	H.264/MJPEG4/MJPEG	H.264/MJPEG4/MJPEG	H.264/MJPEG4/MJPEG
Max. Image Resolution (pixels) and Frame Rate	2048x1536, 30	2048x1536, 30	---	1280x960, 30	1280x960, 30	1280x960, 30
Audio Input/Output	Built-in speaker and mic	Built in mic/audio in, Speaker/audio out	IN: 1 line/mic OUT: 1 line	---	---	---
Alarm Input/Output	1/1	1/1	1/1	---	---	---
Ratings	IP66, IK10, UL/cUL Listed	IP66, IK10, UL/cUL Listed	UL/cUL Listed	UL/cUL Listed	UL/cUL Listed	UL/cUL Listed
Operating Temperature Range	-30° C to 60° C (-22° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)
Power Requirements (max.)	12V DC, PoE (802.3af), 12 W	12V DC, PoE (802.3af), 12 W	12V DC/PoE (802.3af), 8.26 W	Powered by Base Unit	Powered by Base Unit	Powered by Base Unit
Brackets	Included	---	---	Included	Included	Included

Complies with ONVIF (Profile S and G), CGI ISAPI. Contact for factory details.
See data sheet for supported analytics. HEOP capability available in FW 5.5.90 for 2 MP and 4 MP.

NETWORK CAMERAS - SMART PRO SERIES

	COVERT BASE UNIT + LENS					HEIGHT STRIP
Model						
	DS-2CD6424FWD-10	DS-2CD6424FWD-20	DS-2CD6424FWD-30	DS-2CD6424FWD-40/E1	DS-2CD6424FWD-40/E2	DS-2CD6424FWD-20/E
Megapixels	2 MP	2 MP	2 MP	2 MP	2 MP	2 MP
Sensor Size (Progressive Scan CMOS)	1/2.7"	1/2.7"	1/2.7"	1/2.7"	1/2.7"	1/2.7"
Min. Illumination (lux)	Color: 0.028 @ f/2.0, AGC ON	Color: 0.028 @ f/2.0, AGC ON	Color: 0.028 @ f/2.0, AGC ON	Color: 0.028 @ f/2.0, AGC ON	Color: 0.028 @ f/2.0, AGC ON	Color: 0.028 @ f/2.0, AGC ON
Lens, Field of View (HxV)	Fixed 3.7 mm @ f/2.5, cylindrical pinhole	Fixed 3.7 mm @ f/2.5, L-shaped, pinhole	Fixed 2.8 mm @ f/2.0, Tube	Fixed 2.8 mm @ f/2.0, Ball with Turret mount	Fixed 2.8 mm @ f/2.0, Ball with in-ceiling mount	Fixed 3.7 mm @ f/2.5, L-shaped, pinhole
Day/Night, BLC, WDR	True, Yes, 120 dB	True, Yes, 120 dB	True, Yes, 120 dB	True, Yes, 120 dB	True, Yes, 120 dB	Electronic, Yes, 120 dB
IR Range Max (meters)	---	---	---	---	---	---
Video Compression	H.264/MJPEG	H.264/MJPEG	H.264/MJPEG	H.264/MJPEG	H.264/MJPEG	---
Max. Image Resolution (pixels) and Frame Rate	1920x1080, 30	1920x1080, 30	1920x1080, 30	1920x1080, 30	1920x1080, 30	1920x1080, 30
Audio Input/Output	IN: 1 line/mic OUT: 1 line	IN: 1 line/mic OUT: 1 line	IN: 1 line/mic OUT: 1 line	IN: 1 line/mic OUT: 1 line	IN: 1 line/mic OUT: 1 line	IN: 1 line/mic OUT: 1 line
Alarm Input/Output	1/1	1/1	1/1	1/1	1/1	1/1
Ratings	UL/cUL Listed	UL/cUL Listed	IP66, UL/cUL Listed	IP66, UL/cUL Listed	IP66, UL/cUL Listed	UL/cUL Listed
Operating Temperature Range	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)
Power Requirements (max.)	12V DC, PoE (802.3af), 6.5 W	12V DC, PoE (802.3af), 6.5 W	12V DC, PoE (802.3af), 6.5 W	12V DC, PoE (802.3af), 6.5 W	12V DC, PoE (802.3af), 6.5 W	12V DC, PoE (802.3af), 6.5 W
Brackets	Included	Included	Included	Included	Included	Included

Complies with ONVIF (Profile S and G), CGI ISAPI. Contact for factory details.
See data sheet for supported analytics. HEOP capability available in FW 5.5.90 for 2 MP and 4 MP.



Deep Learning

Deep Learning technology is the latest innovation in VCA (video content analytics) that works hand-in-hand with today's high-speed processors (GPUs) to expand image recognition types and capability while improving accuracy. Hikvision leads the way in implementing these algorithms in its new DeepinView Camera Series and DeepinMind NVR Series of products.

For years, video content analysis software has been promoted as a way to curb false alarms and improve detection and prevention in security applications. To date, most applications have lacked accuracy and reliability. Today's high-speed GPUs dramatically improve the processing of video data and Deep Learning is recognized as the future of VCA technology. Hikvision is leading the way with Deep Learning products that provide users with reliable and accurate video content analysis.

FEATURES

- Human and vehicle detection cameras and NVRs help reduce false alarms by recognizing objects like animals, shadows or trees as non-alarm objects.
- Face Capture and Face Recognition cameras and NVRs select the best quality facial image, save it for reference, and then compare it to live or recorded images.
- DeepinView cameras include all the professional camera features plus Deep Learning algorithms.
- DeepinMind NVRs include the Deep Learning algorithms and can be used with or without DeepinView cameras.



2 MP DeepinView Dual-Lens Facial Recognition Camera
IDS-2CD8426G0/F-I

APPLICATION EXAMPLES



School Entrances and Parking



Assisted Living



Gaming

NETWORK CAMERAS - DEEPINVIEW SERIES

	BOX CAMERA	INDOOR DOME	OUTDOOR BULLET	OUTDOOR DOME	INDOOR DOME	INDOOR DOME
Model	Human/Vehicle Detection  *DarkFighter. LightFighter.	Human/Vehicle Detection EXIR 2.0  *DarkFighter. LightFighter. 2/4 MP ONLY	Human/Vehicle Detection EXIR 2.0  *DarkFighter. LightFighter. 2/4 MP ONLY	Human/Vehicle Detection DarkFighter. LightFighter. EXIR 2.0 	Queue Management DarkFighter. LightFighter. EXIR 2.0 	Facial Recognition 
Megapixels	DS-2CD7026G0-AP* DS-2CD7046G0-AP* DS-2CD7085G0-AP	DS-2CD7126G0-IZS* DS-2CD7126G0-IZS8* DS-2CD7146G0-IZS* DS-2CD7146G0-IZS8* DS-2CD7185G0-IZS DS-2CD7185G0-IZS8	DS-2CD7A26G0-IZHS* DS-2CD7A26G0-IZHS8* DS-2CD7A46G0-IZHS* DS-2CD7A46G0-IZHS8* DS-2CD7A85G0-IZHS DS-2CD7A85G0-IZHS8	DS-2CD7526G0-IZHS DS-2CD7526G0-IZHS8 DS-2CD7546G0-IZHS DS-2CD7546G0-IZHS8	DS-2CD7126G0/L-IZS	iDS-2CD8426G0/F-I
Sensor Size (Progressive Scan CMOS)	2/4/8 MP 1/1.8"	2/4/8 MP 1/1.8"	2/4/8 MP 1/1.8"	2/4 MP 1/1.8"	2 MP 1/1.8"	2 MP 1/2.8"
Min. Illumination (lux)	2/4 MP: Color: 0.002 @ f/1.2 B/W: 0.0002 @ f/1.2 8 MP: Color: 0.007 @ f/1.2 B/W: 0.0007 @ f/1.2	2 MP: Color: 0.002 @ f/1.2, 0.004 @ f/1.6 4 MP: Color: 0.002 @ f/1.2, 0.005 @ f/1.8 8 MP: Color: 0.007 @ f/1.2, 0.016 @ f/1.8 B/W: 0 with IR	2 MP: Color: 0.002 @ f/1.2, 0.004 @ f/1.6 4 MP: Color: 0.002 @ f/1.2, 0.005 @ f/1.8 8 MP: Color: 0.007 @ f/1.2, 0.016 @ f/1.8 B/W: 0 with IR	2 MP: Color: 0.002 @ f/1.2, 0.004 @ f/1.6 4 MP: Color: 0.002 @ f/1.2, 0.005 @ f/1.8 B/W: 0 with IR	Color: 0.002 @ f/1.2 B/W: 0 with IR	Color: 0.0089 @ f/1.6 B/W: 0 with IR on
Lens, Field of View (HxV)	C/CS mount, auto back focus	IZS: 2.8 to 12 mm @ f/1.2 to 2.5 IZS8: 8 to 32 mm @ f/1.6 or 1.8 All: motorized, autofocus 2 MP: IZS: H 103.3° to 38.6°, V 54.2° to 21.9° IZS8: H 42.5° to 13.4°, V 23.4° to 7.7° 4 MP: IZS: H 109.2° to 38.9°, V 56.2° to 21.9° IZS8: H 37.7° to 15.2°, V 21° to 8.6° 8 MP: IZS: H 112.4° to 41°, V 58° to 23° IZS8: H 39° to 15.6°, V 21.8° to 8.9	IZS: 2.8 to 12 mm @ f/1.2 to 2.5 IZS8: 8 to 32 mm @ f/1.6 or 1.8 All: motorized, autofocus 2 MP: IZS: H 103.3° to 38.6°, V 54.2° to 21.9° IZS8: H 42.5° to 13.4°, V 23.4° to 7.7° 4 MP: IZS: H 109.2° to 38.9°, V 56.2° to 21.9° IZS8: H 37.7° to 15.2°, V 21° to 8.6° 8 MP: IZS: H 112.4° to 41°, V 58° to 23° IZS8: H 39° to 15.6°, V 21.8° to 8.9	IZS: 2.8 to 12 mm @ f/1.2 to 2.5 IZS8: 8 to 32 mm @ f/1.6 or 1.8 All: motorized, autofocus 2 MP: IZS: H 103.3° to 38.6°, V 54.2° to 21.9° IZS8: H 42.5° to 13.4°, V 23.4° to 7.7° 4 MP: IZS: H 109.2° to 38.9°, V 56.2° to 21.9° IZS8: H 37.7° to 15.2°, V 21° to 8.6° 8 MP: IZS: H 112.4° to 41°, V 58° to 23° IZS8: H 39° to 15.6°, V 21.8° to 8.9	2.8 to 12 mm, motorized zoom, autofocus, H 103.3° to 38.6°, V 54.2° to 21.9°	4 mm, 86°x46° 6 mm, 53°x28° 8 mm, 41°x22° 12 mm, 25°x14°
Day/Night, BLC, WDR	2/4 MP: True, Yes, 140 dB 8 MP: True, Yes, 120 dB	2/4 MP: True, Yes, 140 dB 8 MP: True, Yes, 120 dB	2/4 MP: True, Yes, 140 dB 8 MP: True, Yes, 120 dB	True, Yes, 140 dB	True, Yes, 140 dB	True, Yes, 120 dB
IR Range Max (meters)	---	IZS: 30 IZS8: 50	IZHS: 50 IZHS8: 100	IZHS: 30 IZHS8: 50	30	10
Video Compression	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG
Max. Image Resolution (pixels) and Frame Rate	2 MP: 1920x1080, 60 4 MP: 2560x1440, 30 8 MP: 3840x2160, 30	2 MP: 1920x1080, 60 4 MP: 2560x1440, 30 8 MP: 3840x2160, 30	2 MP: 1920x1080, 60 4 MP: 2560x1440, 30 8 MP: 3840x2160, 30	2 MP: 1920x1080, 60 4 MP: 2560x1440, 30 8 MP: 3840x2160, 30	1920x1080, 30	1920x1080, 30
Audio Input/Output	IN: 1 line OUT: 1 line	IN: 1 line OUT: 1 line	---	IN: 1 line OUT: 1 line	IN: 1 line OUT: 1 line	IN: 1 line OUT: 1 line
Alarm Input/Output	2/2	1/1	2/2	1/1	1/1	1/1
Ratings	UL/cUL Listed	IK10, UL/cUL Listed	IP67, IK10, UL/cUL Listed	IP67, IK10, UL/cUL Listed	IK10, UL/cUL Listed	UL/cUL Listed
Operating Temperature Range	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)	-40° C to 65° C (-40° F to 149° F)	-40° C to 60° C (-40° F to 140° F)	-30° C to 60° C (-22° F to 140° F)	-10° C to 40° C (-14° F to 104° F)
Power Requirements (max.)	24V AC, 12V DC, PoE, 12 W	12V DC, PoE, 10.5 W	12V DC, PoE+, 16.5 W	12V DC, PoE+, 17 W	12V DC, PoE, 10.5 W	36V DC, 27 W
Brackets	WBS, PP2	PC130, WML, CPM, CPME, PM, CM, RCM-1, AB135	PM1, CM1	WML, PC155, CPM, CM1, PM1, SRSL, SRS	PC130, WML, CPM, CPME, PM, CM, RCM-1, AB135	Included

Complies with ONVIF (Profile S and G), PSIA, CGI ASA. Contact for factory details
See data sheet for supported analytics. HEOP capability available in FW 5.5.90 for 2 MP and 4 MP models.



NETWORK PTZ CAMERAS - SMART PRO SERIES

	INDOOR	OUTDOOR			
Model	Smart Tracking 2.0 	Smart Tracking 2.0 	DarkFighter. Smart Tracking 2.0 	DarkFighter. Smart Tracking 2.0 	Smart Tracking 2.0 
	DS-2DF5232X-AE3	DS-2DF5232X-AEL	DS-2DF6225X-AEL	DS-2DF6A236X-AEL DS-2DF6A436X-AEL DS-2DF6A836X-AEL	DS-2DF7232IX-AELW
Megapixels	2 MP	2 MP	2 MP	2/4/8 MP	2 MP
Sensor Size (Progressive Scan CMOS)	1/2.8"	1/2.8"	1/1.9"	2/4 MP: 1/1.8" 8 MP: 1/1.5"	1/2.8"
Min. Illumination (lux)	Color: 0.05 @ f/1.6 B/W: 0.01 @ f/1.6	Color: 0.05 @ f/1.6 B/W: 0.01 @ f/1.6	Color: 0.002 @ f/1.5 B/W: 0 with IR	2/4 MP: Color: 0.002 @ f/1.5 8 MP: Color: 0.005 @ f/1.5 B/W: 0 with IR	Color: 0.05 @ f/1.6 B/W: 0 with IR
Lens, Field of View (HxV)	4.8 to 153 mm, H 58.4° to 2.14°, V 33.8° to 1.2°	4.8 to 153 mm, H 58.4° to 2.14°, V 33.8° to 1.2°	5.7 to 142.5 mm, H 59.8° to 2.8°, V 33.6° to 1.6°	2/4 MP: 5.7 to 205.2 mm, H 59.8° to 2.0°, V 33.6° to 1.1° 8 MP: 7.5 to 270 mm, H 56.1° to 2.0°, V 33.4° to 1.1°	4.8 to 153 mm, H 58.4° to 2.14°, V 33.8° to 1.2°
Optical Zoom	32x motorized zoom, autofocus	32x motorized zoom, autofocus	25x motorized zoom, rapid focus	36x motorized zoom, rapid focus	32x motorized zoom, rapid focus
Pan Range	360° endless	360° endless	360° endless	360° endless	360° endless
Tilt Range	-5° to 90° (auto flip)	-5° to 90° (auto flip)	-15° to 90° (auto flip)	-20° to 90° (auto flip)	-10° to 90° (auto flip)
Manual Pan/Tilt Speed (°/s)	0.1 to 300/0.1 to 240	0.1 to 300/0.1 to 240	0.1 to 300/0.1 to 240	0.1 to 350/0.1 to 240	0.1 to 210/0.1 to 150
Preset Pan/Tilt Speed (°/s)	540/400	540/400	540/400	540/400	280/250
Day/Night, BLC, WDR, EIS	True, Yes, 120 dB, Yes	True, Yes, 120 dB, Yes	True, Yes, 120 dB, Yes	2/4 MP: True, Yes, 120 dB, Yes 8 MP: Digital, Yes, 120 dB, Yes	True, Yes, 120 dB, Yes
IR Range Max (meters)	---	---	---	---	150
Video Compression	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264
Max. Image Resolution (pixels) and Frame Rate	1920x1080, 30	1920x1080, 30	1920x1080, 30	2 MP: 1920x1080, 30 4 MP: 2560x1440, 30 8 MP: 4096x2160, 30	1920x1080, 30
Ratings	IK10, UL/cUL Listed	IP66, IK10, UL/cUL Listed	IP67, IK10, UL/cUL Listed	IP67, IK10 UL/cUL Listed	IP66, UL/cUL Listed
Operating Temperature Range	-10° C to 50° C (14° F to 122° F)	-40° C to 65° C (-40° F to 149° F)	-40° C to 70° C (-40° F to 158° F)	-40° C to 70° C (-40° F to 158° F)	-40° C to 70° C (-40° F to 158° F)
Power Requirements (max.)	24V AC (25 W), Hi-PoE (25 W), Hi-PoE Injector Included	24V AC (60 W), Hi-PoE (50 W), Hi-PoE Injector Included	24V AC (60 W), Hi-PoE (50 W), Hi-PoE Injector Included	24V AC (60 W), Hi-PoE (50 W), Hi-PoE Injector Included	24V AC (60 W), Hi-PoE (50 W), Hi-PoE Injector Included
Brackets	Ceiling Recess/Flush Mount Included	RPM, WMP-L, WMP-PV, PMP, CMP, JBPW-L, CMP-JB, PMP-JB, CPM-S, CPM-L, CPMPE	RPM, WMP-L, WMP-PV, PMP, CMP, JBPW-L, CMP-JB, PMP-JB, CPM-S, CPM-L, CPMPE	RPM-G, JBPW-L-G, CMP-JB-G, PMP-JB-G, CPM-S-G, CPM-L-G, CPMPE-G	RPM, WMP-L, WMP-PV, PMP, CMP, JBPW-L, CMP-JB, PMP-JB, CPM-S, CPM-L, CPMPE

Complies with ONVIF (Profile S and G), CGI ISAPI. Contact for factory details. See data sheet for supported analytics.

Smart Tracking: Auto-tracking of objects that trigger VCA Smart Events, trigger motion, or are manually selected.

Smart Tracking 2.0: Auto-tracking of objects or specifically humans and/or vehicles that trigger VCA Smart Events, and objects that trigger motion, or are manually selected.

NETWORK PTZ CAMERAS - SMART PRO SERIES

OUTDOOR					
Model	DarkFighter. Smart Tracking 2.0 	DarkFighter. Smart Tracking 2.0 	DarkFighter. Smart Tracking 2.0 	DarkFighter. Smart Tracking 2.0 	DarkFighterX. Smart Tracking 
	DS-2DF8236IX-AELW	DS-2DF8236IX-AELW DS-2DF8250IX-AELW	DS-2DF8436IX-AELW DS-2DF8436IX-AELW	DS-2DF8836IX-AELW DS-2DF8836IX-AELW	DS-2DF8225IH-AELW
Megapixels	2 MP	2 MP	4 MP	4K	2 MP
Sensor Size (Progressive Scan CMOS)	1/1.8"	8236: 1/1.8" 8250: 1/2.8"	1/1.8"	1/1.5"	Two 1/2.8"
Min. Illumination (lux)	Color: 0.002 @ f/1.5 B/W: 0 with IR	8236: Color: 0.002 @ f/1.5 8250: Color: 0.01 @ f/1.8 B/W: 0 with IR	Color: 0.002 @ f/1.5 B/W: 0 with IR	Color: 0.005 @ f/1.5 B/W: 0 with IR	Color: 0.0004 @ f/1.5 B/W: 0 with IR
Lens, Field of View (HxV)	5.7 to 205.2 mm, H: 59.8° to 2.0°, V 33.6° to 1.1°	8236: 5.7 to 205.2 mm, H 59.8° to 2.0°, V 33.6° to 1.1° 8250: 6.6 to 330 mm, H 41.3° to 1.1°, V 23.6° to 0.6°	5.7 to 205.2 mm, H 51.1° to 1.7°, V 31.3° to 1.0°	7.5 to 270 mm, H 58.2° to 3.2°, V 32.7° to 1.8°	4.8 to 120 mm, H 58.2° to 3.2°, V 32.7° to 1.8°
Optical Zoom	36x motorized zoom, rapid focus	8236: 36x rapid focus 8250: 50x autofocus motorized zoom	36x motorized zoom, rapid focus	36x motorized zoom, rapid focus	25x motorized zoom, autofocus
Pan Range	360° endless	360° endless	360° endless	360° endless	360° endless
Tilt Range	-20° to 90° (auto flip)	-20° to 90° (auto flip)	-20° to 90° (auto flip)	-20° to 90° (auto flip)	-20° to 90° (auto flip)
Manual Pan/Tilt Speed (°/s)	0.1 to 210/0.1 to 150	8236: 0.1 to 210/0.1 to 150 8250: 0.1 to 160/0.1 to 120	0.1 to 210/0.1 to 150	0.1 to 210/0.1 to 150	0.1 to 210/0.1 to 150
Preset Pan/Tilt Speed (°/s)	280/250	8236: 280/250 8250: 240/200	280/250	280/250	280/250
Day/Night, BLC, WDR, EIS	True, Yes, 120 dB, Yes	True, Yes, 120 dB, Yes	True, Yes, 92 dB, Yes	True, Yes, Digital, Yes	True, Yes, 120 dB, Yes
IR Range Max (meters)	200	500	8436: 200 8436I5: 500	8836: 200 8836I5: 500	200
Video Compression	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264
Max. Image Resolution (pixels) and Frame Rate	1920x1080, 30	1920x1080, 30	2560x1440, 30	8 MP: 4096x2160, 30	2 MP: 1920x1080, 30
Ratings	IP67, IK10, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed	8836: IP67, IK10, UL/cUL Listed 8836I5: IP67, UL/cUL Listed	IP67, UL/cUL Listed
Operating Temperature Range	-40° C to 70° C (-40° F to 158° F)	-40° C to 70° C (-40° F to 158° F)	-40° C to 70° C (-40° F to 158° F)	-40° C to 70° C (-40° F to 158° F)	-40° C to 70° C (-40° F to 158° F)
Power Requirements (max.)	24V AC (60 W), Hi-PoE (50 W), Hi-PoE Injector Included	24V AC (60 W), Hi-PoE (50 W), Hi-PoE Injector Included	24V AC (60 W), Hi-PoE (50 W), Hi-PoE Injector Included	24V AC (60 W), Hi-PoE (50 W), Hi-PoE Injector Included	24V AC (70 W), Hi-PoE (60 W), Hi-PoE Injector Included
Brackets	RPM, WMP-L, WMP-PV, PMP, CMP, JBPW-L, CMP-JB, PMP-JB, CPM-S, CPM-L, CPMPE	RPM, WMP-L, WMP-PV, PMP, CMP, JBPW-L, CMP-JB, PMP-JB, CPM-S, CPM-L, CPMPE	RPM, WMP-L, WMP-PV, PMP, CMP, JBPW-L, CMP-JB, PMP-JB, CPM-S, CPM-L, CPMPE	RPM, WMP-L, WMP-PV, PMP, CMP, JBPW-L, CMP-JB, PMP-JB, CPM-S, CPM-L, CPMPE	RPM-G, JBPW-L-G, CMP-JB-G, PMP-JB-G, CPM-S-G, CPM-L-G, CPMPE-G

Complies with ONVIF (Profile S and G), CGI ISAPI. Contact for factory details. See data sheet for supported analytics.

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Smart Tracking 2.0: Auto-tracking of objects or specifically humans and/or vehicles that trigger VCA Smart Events, and objects that trigger motion, or are manually selected.



MULTI-SENSOR PANOVU CAMERAS - SMART PRO SERIES

OUTDOOR

					
Model	DS-2CD6D24FWD-Z DS-2CD6D24FWD-IZHS	DS-2CD6D54FWD-Z DS-2CD6D54FWD-IZHS	DarkFighter. DS-2CD6924F-IS	DarkFighter. DS-2CD6984G0-IHS	DS-2PT5326IZ-DE
Megapixels	8 MP (4x2 MP)	20 MP (4x5 MP)	8 MP (4x2 MP Stitched or Separate)	32 MP (4x8 MP)	8 MP (4x2 MP)
Min. Illumination (lux)	Color: 0.01 @ f/1.6, B/W: 0.003 @ f/1.6, IZHS: B/W: 0 with IR	Color: 0.01 @ f/1.6, AGC on B/W: 0.003 @ f/1.6, AGC on IZHS: B/W: 0 with IR	Color: 0.007 @ f/1.8 B/W: 0 with IR	Color: 0.012 @ f/1.4 B/W: 0 with IR	Fixed Sensors: Color: 0.005 @ f/1.6 PTZ: Color: 0.005 @ f/1.6 B/W: 0 with IR
Lens	2.8 to 12 mm, motorized zoom, autofocus	2.8 to 12 mm, motorized zoom, autofocus	4 mm	2.8 mm	Fixed: 4 mm PTZ: 5 to 50 mm, motorized zoom, autofocus
Field of View	Fixed Sensors: H 30° to 96.3°, V 17° to 54° (x4)	Fixed Sensors: H 30° to 101°, V 22.4° to 73° (x4)	Panoramic: 180°x86.7°	180°x95°	Fixed Sensors: 80.7°x43.5° (x3) PTZ: H 58.6° to 6.4°
Pan/Tilt/Rotation	-180° to 180°/0° to 135°/0° to 355°	-180° to 180°/0° to 135°/0° to 355°	0° to 355°/0° to 90°/--	0° to 355°/0° to 90°/--	0° to 340°/0° to 90°/--
Day/Night, BLC, WDR	True, Yes, 120 dB	True, Yes, 120 dB	True, Yes, Digital	True, Yes, Digital	True, Yes, Digital
IR Range Max. (meters)	Z: --- IZHS: 30	Z: --- IZHS: 30	20	20	Fixed: 30 PTZ: 50
Video Compression	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265/H.264/MJPEG	H.265/H.264/MJPEG
Max. Image Resolution (pixels)	Fixed: 4x 1980x1080	Fixed: 4x 2560x1920	Stitched Panoramic: 4096x1800	Mode 1: Stitched Panoramic: 3840x2160 ePTZ: 10x 1920x1080 Mode 2: Split Panoramic: 4x 2032x3616	Fixed: 3x 1920x1080 PTZ: 1x 1920x1080
Motion Detection	Yes	Yes	Yes	Yes	Yes
Audio Input/Output	IN: 1 line OUT: 1 line	IN: 1 line OUT: 1 line	IN: 1 line OUT: 1 line	IN: 1 line OUT: 1 line	IN: 1 line OUT: 1 line
Alarm Input/Output	2/2	2/2	2/2	2/2	1/1
Local Storage	Built-in Micro SD memory card slot supports SDHC/SDXC up to 128 GB	Built-in Micro SD memory card slot supports SDHC/SDXC up to 128 GB	Built-in Micro SD memory card slot supports SDHC/SDXC up to 128 GB	Built-in Micro SD memory card slot supports SDHC/SDXC up to 128 GB	Built-in Micro SD memory card slot supports SDHC/SDXC up to 256 GB
Ratings	IP67, IK10, UL/cUL Listed	IP67, IK10, UL/cUL Listed	IP67, IK10, UL/cUL Listed	IP67, IK10 UL/cUL Listed	IP66, UL/cUL Listed
Operating Temperature Range	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-30° C to 65° C (-22° F to 149° F)
Power Requirements (max.)	Z: 12V DC ±25% (12 W), PoE (13 W) IZHS: 12 VDC ±25% (28 W), Hi-PoE (34 W), Hi-PoE injector included	Z: 12V DC ±25% (12 W), PoE (13 W) IZHS: 12 VDC ±25% (28 W) Hi-PoE (34 W), Hi-PoE injector included	12V DC, 1.5A, max. 18 W PoE (802.3at, 42.5V to 57V), 0.6A to 0.4A, max. 25 W	12V DC (18 W), PoE+ (25 W)	12V DC, PoE+, 27 W
Brackets	RPM, WMP-L, WMP-PV, PMP, CMP, JBPW-L, CMP-JB, PMP-JB, CPM-S, CPM-L, CPMPE, Includes Pendant Cap	RPM, WMP-L, WMP-PV, PMP, CMP, JBPW-L, CMP-JB, PMP-JB, CPM-S, CPM-L, CPMPE, Includes Pendant Cap	RPM, WMP-L, WMP-PV, PMP, CMP, JBPW-L, CMP-JB, PMP-JB, CPM-S, CPM-L, CPMPE, Includes Pendant Cap	RPM, WMP-L, WMP-PV, PMP, CMP, JBPW-L, CMP-JB, PMP-JB, CPM-S, CPM-L, CPMPE, Includes Pendant Cap	RPM, WMP-L, WMP-PV, PMP, CMP, JBPW-L, CMP-JB, PMP-JB, CPM-S, CPM-L, CPMPE

Complies with ONVIF (Profile S and G), CGI ISAPI. Contact for factory details.
See data sheet for supported analytics.

MULTI-SENSOR PANOVU AND STAINLESS STEEL NETWORK CAMERAS - SMART PRO SERIES

	INDOOR	OUTDOOR		OUTDOOR DOME		
Model		 <small>DarkFighter. PanoVu Tracking</small>	 <small>DarkFighter. PanoVu Tracking</small>			
Megapixels	DS-2PT3326IZ-DE3 8 MP (4x2 MP)	DS-2DP1636ZIX-D 18 MP (9x2 MP)	DS-2DP0818ZIX-D 10 MP (5x2 MP)	DS-2XC6122FWD-IS 2 MP		
Min. Illumination (lux)	Fixed Sensors: Color: 0.05 @ f/2.0 PTZ: Color: 0.05 @ f/2.0 B/W: 0 with IR	Panoramic: Color: 0.005 @ f/2.0 PTZ: Color: 0.002 @ f/1.5 B/W: 0 with IR	Panoramic: Color: 0.005 @ f/2.0 PTZ: Color: 0.002 @ f/1.5 B/W: 0 with IR	Sensor Size (Progressive Scan CMOS) 1/2.7"		
Lens	Fixed: 2 mm PTZ: 2.8 to 12 mm, motorized zoom, autofocus	Panoramic: 5 mm PTZ: 5.6 to 208 mm, motorized zoom, rapid focus	Panoramic: 5 mm PTZ: 5.6 to 208 mm, motorized zoom, rapid focus	Min. Illumination (lux) Color: 0.01 @ f/1.2 B/W: 0 with IR		
Field of View	Fixed Sensors: 128.5°x75.5° (x3) PTZ: H 120° to 56.6°, V 61.8° to 31.7°	Panoramic: 180°x80° (x2) PTZ: 62.5° to 1.9°	Panoramic: 180°x80° (x1) PTZ: 62.5° to 1.9°	Lens, Field of View (HxV) 2.8 mm, 100° 4 mm, 91° 6 mm, 60°		
Pan/Tilt/Rotation	0° to 350°/0° to 90°/--	PTZ: 360°/-15° to 90°/--	PTZ: 360°/-15° to 90°/--	Pan/Tilt/Rotation 0° to 75°/-30° to 30°/0° to 360°		
Day/Night, BLC, WDR	True, Yes, Digital	True, No, Digital	True, No, Digital	Day/Night, BLC, WDR True, Yes, 120 dB		
IR Range Max. (meters)	10	PTZ: 200	PTZ: 200	IR Range Max (meters) 10		
Video Compression	H.265/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	Video Compression H.265+/H.265/H.264+/H.264		
Max. Image Resolution (pixels)	Fixed: 3x 1920x1080 PTZ: 1x 1920x1080	Panoramic: 2x 4096x1800 PTZ: 1920x1080	Panoramic: 4096x1800 PTZ: 1920x1080	Max. Image Resolution (pixels) 1920x1080		
Motion Detection	Yes	Yes	Yes	Frame Rate (fps) 2.8 mm: 24 @ 1920x1080, 1280x960, 1280x720 4 mm, 6 mm: 30 @ 1920x1080, 1280x960, 1280x720		
Audio Input/Output	IN: 1 line OUT: 1 line	IN: 1 line OUT: 1 line	IN: 1 line OUT: 1 line	Multi-Streaming Triple		
Alarm Input/Output	---	7/2	7/2	Image Enhancement BLC/3D DNR/Defog		
Local Storage	Built-in Micro SD memory card slot supports SDHC/SDXC up to 256 GB	Built-in Micro SD memory card slot supports SDHC/SDXC up to 128 GB	Built-in Micro SD memory card slot supports SDHC/SDXC up to 128 GB	Motion Detection Yes		
Ratings	UL/cUL Listed	IP66, UL/cUL Listed	IP66, UL/cUL Listed	Audio Input/Output ---		
Operating Temperature Range	-10° C to 50° C (14° F to 122° F)	-40° C to 70° C (-40° F to 158° F)	-40° C to 70° C (-40° F to 158° F)	Alarm Input/Output 1/1		
Power Requirements (max.)	12V DC, PoE+, 24 W	36V DC, 130 W, PSU included	36V DC, 130 W, PSU included	Local Storage MicroSD 128 GB max.		
Brackets	WMP-PM, CPM-PM	RPM-G, WMP-PV-G, CM-G, CPM-PV-G, CPM20-PV-G	RPM-G, WMP-PV-G, CM-G, CPM-PV-G, CPM20-PV-G	Ratings 316L Stainless Steel, IP67, UL/cUL Listed, Anti-corrosion, NEMA 4X, WF2, C5-M		
				Operating Temperature Range -30° C to 60° C (-40° F to 140° F)		
				Power Requirements (max.) 12V DC, PoE (802.3af), 5 W		
				Brackets JBM-SS, WB-XC		

Complies with ONVIF (Profile S and G), CGI ISAPI. Contact for factory details.

See data sheet for supported analytics.

PanoVu Tracking: PTZ auto-tracking of objects that trigger VCA Smart Events on the panoramic channel(s)



STAINLESS STEEL NETWORK CAMERAS - SMART PRO SERIES

	OUTDOOR DOME		OUTDOOR BULLET			
Model						
	DS-2XC6142FWD-IS		DS-2CD6626DS-IZHS	DS-2CD6626BS-R	DS-2CD6626B/E-HIR5	DS-2CD6626B/E-HIRA
Megapixels	4 MP		2 MP	2 MP	2 MP	2 MP
Sensor Size (Progressive Scan CMOS)	1/3"		1/1.8"	1/1.8"	1/1.8"	1/1.8"
Min. Illumination (lux)	Color: 0.01 @ f/1.2 B/W: 0 with IR		Color: 0.002 @ f/1.2 B/W: 0 with IR	Color: 0.002 @ f/1.2 B/W: 0 with IR	Color: 0.002 @ f/1.2 B/W: 0 with IR	Color: 0.002 @ f/1.2 B/W: 0 with IR
Lens, Field of View (HxV)	4 mm, 83°	6 mm, 55.4°	2.8 to 12 mm @ f/1.4, motorized, autofocus, 92° to 32°	16 mm, 25°	3.8 to 16 mm, 103.1° to 28°	11 to 40 mm, 36.7° to 11.5°
Pan/Tilt/Rotation	0° to 75°/-30° to 30°/0° to 360°		0° to 355°/0° to 75°/0° to 355°	---	---	---
Day/Night, BLC, WDR	True, Yes, 120 dB		True, Yes, 120 dB	True, Yes, 120 dB	True, Yes, 120 dB	True, Yes, 120 dB
IR Range Max (meters)	10		30	---	50	100
Video Compression	H.265+/H.265/H.264+/H.264		H.264/MJPEG/MPEG4	H.264/MJPEG/MJPEG	H.264/MPEG4/MJPEG	H.264/MPEG4/MJPEG
Max. Image Resolution (pixels)	2560x1440		1920x1080	1920x1080	1920x1080	1920x1080
Frame Rate (fps)	24 @ 2560x1440, 1920x1080, 1280x720, 528x384		30 @ 1920x1080, 1280x960, 1280x720 60 @ 1920x1080, 1280x960, 1280x720 with WDR off	60 @ 1920x1080, 1280x960, 1280x720	60 @ 1920x1080, 1280x960, 1280x720	60 @ 1920x1080, 1280x960, 1280x720
Multi-Streaming	Triple		Triple	Triple	Triple	Triple
Image Enhancement	BLC/3D DNR/Defog		3D DNR, HLC, WDR, EIS, Defog	3D DNR, HLC, WDR, EIS, Defog	3D DNR, HLC, BLC, WDR, EIS, Defog	3D DNR, HLC, BLC, WDR, EIS, Defog
Motion Detection	Yes		Yes	Yes	Yes	Yes
Audio Input/Output	---		IN: 1 line/mic OUT: 1 line	IN: 1 line/mic OUT: 1 line	IN: 1 line/mic OUT: 1 line	IN: 1 line/mic OUT: 1 line
Alarm Input/Output	1/1		1/1	1/1	1/1	1/1
Local Storage	MicroSD 128 GB max.		MicroSD 128 GB max.	---	MicroSD 128 GB max.	MicroSD 128 GB max.
Ratings	316L Stainless Steel, IP67, UL/cUL Listed, Anti-corrosion, NEMA 4X, WF2, C5-M		316L Stainless Steel, IP67, UL/cUL Listed, Anti-corrosion, NEMA 4X, WF2, C5-M	316L Stainless Steel, IP67, UL/cUL Listed, Anti-corrosion, NEMA 4X, WF2, C5-M	316L Stainless Steel, IP67, UL/cUL Listed, Anti-corrosion, NEMA 4X, WF2, C5-M	316L Stainless Steel, IP67, UL/cUL Listed, Anti-corrosion, NEMA 4X, WF2, C5-M
Operating Temperature Range	-30° C to 60° C (-22° F to 140° F)		-40° C to 60° C (-40° F to 140° F)	-30° C to 60° C (-22° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)
Power Requirements (max.)	12V DC, PoE (802.3af), 5 W		24V AC, 12V DC, PoE (802.3af), 16 W	12V DC, 13 W	24V AC, 100 W	24V AC, 100 W
Brackets	JBM-SS, WB-XC		JBM-SS, WB-SS	JBM-SS, WB-SS	JBM-SS, WB-SS	JBM-SS, WB-SS

Complies with ONVIF (Profile S and G), CGI ISAPI. Contact for factory details.
See data sheet for supported analytics.



SPECIALTY PTZ CAMERAS - SMART PRO SERIES

	OUTDOOR UPRIGHT PTZ				STAINLESS OUTDOOR PTZ		
Model	 DarkFighter.	 DarkFighter.	 DarkFighter.	 DarkFighter. Laser IR		 Laser IR	 SS
	DS-2DY52231W-AE	DS-2DY9236X-A	DS-2DY9236IX-A	DS-2DY9236I8X-A	DS-2DY9250X-A	DS-2DY9250IAX-A	DS-2DT6223-AELY
Megapixels	2 MP	2 MP	2 MP	2 MP	2 MP	2 MP	2 MP
Sensor Size (Progressive Scan CMOS)	1/1.9"	1/1.9"	1/1.9"	1/1.9"	1/2.8"	---	1/1.8"
Min. Illumination (lux)	Color: 0.002 @ f/1.5 B/W: 0 with IR	Color: 0.002 @ f/1.5 B/W: 0 with IR	Color: 0.002 @ f/1.5 B/W: 0 with IR	Color: 0.002 @ f/1.5 B/W: 0 with IR	Color: 0.01 @ f/1.8 B/W: 0 with IR	Color: 0.01 @ f/1.8 B/W: 0 with IR	Color: 0.005 @ f/1.5 B/W: 0 with IR
Lens, Field of View (HxV)	5.9 to 135.7 mm, H 59.8° to 3.0°	5.6 to 207 mm, H 59.8° to 2.0°, V 33.6° to 1.1°	5.6 to 207 mm, H 59.8° to 2.0°, V 33.6° to 1.1°	5.6 to 207 mm, H 59.8° to 2.0°, V 33.6° to 1.1°	6.6 to 330 mm, H 41.3° to 1.1°, V 23.6° to 0.6°	6.6 to 330 mm, H 41.3° to 1.1°, V 23.6° to 0.6°	5.9 to 135.7 mm, H 59.8° to 3.0°
Optical Zoom	23x motorized zoom, autofocus	36x motorized zoom, autofocus	36x motorized zoom, autofocus	36x motorized zoom, autofocus	50x motorized zoom, autofocus	50x motorized zoom, autofocus	23x motorized zoom, autofocus
Pan Range	360° endless	360° endless	360° endless	360° endless	360° endless	360° endless	360° endless
Tilt Range	-90° to 90°	-40° to 90° (auto-flip)	-40° to 90° (auto-flip)	-40° to 90° (auto-flip)	-40° to 90° (auto-flip)	-40° to 90° (auto-flip)	0° to 90° (Auto Flip)
Manual Pan/Tilt Speed (°/s)	0.1 to 200/0.1 to 50	0.1 to 100/0.1 to 40	0.1 to 100/0.1 to 40	0.1 to 100/0.1 to 40	0.1 to 100/0.1 to 50	0.1 to 100/0.1 to 50	0.1 to 300/0.1 to 240
Preset Pan/Tilt Speed (°/s)	540/400	100/100	100/100	100/100	50/100	50/100	540/400
Day/Night, BLC, WDR	True, Yes, 120 dB	True, Yes, 120 dB	True, Yes, 120 dB	True, Yes, 120 dB	True, Yes, 120 dB	True, Yes, 120 dB	True, Yes, 120 dB
Electronic Image Stabilization	Yes	Yes	Yes	Yes	Yes	Yes	Yes
IR Range Max (meters)	150	---	200	800 (laser)	---	1000 (laser)	---
Video Compression	H.265+/H.265/H.264+/H.264/ MJPEG	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264
Max. Image Resolution (pixels) and Frame Rate	1920x1080, 30	1920x1080, 60	1920x1080, 60	1920x1080, 60	1920x1080, 60	1920x1080, 60	1920x1080, 30
Material/Ratings	IP66, UL/cUL Listed	IP66, UL/cUL Listed	IP66, UL/cUL Listed	IP66, UL/cUL Listed	IP66, UL/cUL Listed	IP66, UL/cUL Listed	316L Stainless Steel, IP67, IK10,UL/cUL Listed Anti-corrosion, NEMA 4X, WF2, C5-M
Operating Temperature Range	-40° C to 65° C (-40° F to 149° F)	-40° C to 70° C (-40° F to 158° F)	-40° C to 70° C (-40° F to 158° F)	-40° C to 70° C (-40° F to 158° F)	-40° C to 70° C (-40° F to 158° F)	-40° C to 70° C (-40° F to 158° F)	-40° C to 70° C (-40° F to 158° F)
Power Requirements (max.)	24V AC, Hi-PoE (802.3at), 45 W, PoE Injector Included	24V AC, 70 W	24V AC, 110 W	24V AC, 110 W	24V AC, 70 W	24V AC, 110 W	24V AC, Hi-PoE (802.3at), 60 W, PoE Injector Included
Brackets	WBPT-S	WBPT	WBPT	WBPT	WBPT	WBPT	WMP-SS, CPM-SS

Complies with ONVIF (Profile S and G), CGI ISAPI. Contact for factory details.
See data sheet for supported analytics.



THERMAL CAMERAS - SMART PRO AND PERFORMANCE SERIES

	PERFORMANCE SERIES		SMART PRO SERIES									RESOLUTION: High		
Model	 DeepinView RESOLUTION: Low		 DeepinView RESOLUTION: Medium					 DeepinView RESOLUTION: High						
	DS-2TD2117-3/V1 DS-2TD2117-6/V1		*DeepinView (V1 ONLY) DS-2TD2136-7 DS-2TD2136-10 DS-2TD2136-15 DS-2TD2136-25 DS-2TD2136-35 DS-2TD2136-7/V1 NEW DS-2TD2136-10/V1 NEW DS-2TD2136-15/V1 NEW DS-2TD2136-25/V1 NEW DS-2TD2136-35/V1 NEW					*DeepinView (V1 ONLY) DS-2TD2166-7 DS-2TD2166-15 DS-2TD2166-25 DS-2TD2166-35 DS-2TD2166-7/V1 NEW DS-2TD2166-15/V1 NEW DS-2TD2166-25/V1 NEW DS-2TD2166-35/V1 NEW				DS-2TD2336-50 DS-2TD2336-75 DS-2TD2336-100		
Thermal Pixels, Pitch, Sensor	160x120, 17 µm, Vanadium Oxide UFPA		384x288, 17 µm, Vanadium Oxide UFPA					640x512, 17 µm, Vanadium Oxide UFPA				384x288 /17 µm, Vanadium Oxide UFPA		
Spectral Response, NETD	8 to 14 µm, < 40mk @ 25°C		8 to 14 µm, < 40mk @ 25 °C					8 to 14 µm, < 40mk @ 25°C				8 to 14 µm, < 40mk @ 25°C		
Frame Rate @ Resolution	25 fps @ 320x240 (upscaled) (main, sub and third stream)		50 fps @ 384x288 (main, sub and third stream)					50 fps @ 384x288 (main, sub and third stream)				50 fps @ 384x288 (main, sub and third stream)		
Lens Focal Length	3.1 mm	6.2 mm	7 mm	10 mm	15 mm	25 mm	35 mm	7 mm	15 mm	25 mm	35 mm	50 mm	75 mm	100 mm
Field of View (HxV)	51°x37.2°	25°x18.7°	60°x43.8°	37.20°x28.33°	24.6°x18.5°	14.9°x11.2°	10.7°x8.0°	88.5°x73.2°	42.5°x33.6°	24.6°x19.8°	17.7°x14.2°	7.5°x5.6°	5.0°x3.7°	3.74°x2.8°
IFOV (mRad), Min. Focus Distance	5.48, 0.2 m	2.74, 0.6 m	2.42, 0.8 m	1.7, 1.0 m	1.13, 2.5 m	0.68, 13 m	0.49, 40 m	2.42, 0.8 m	1.13, 2.5 m	0.68, 13 m	0.49, 30 m	0.34, 7.5 m	0.23, 8.0 m	0.17, 10 m
Video Compression	H.265+/H.265/H.264+/H.264/MJPEG		H.265+/H.265/H.264+/H.264/MJPEG					H.265+/H.265/H.264+/H.264/MJPEG				H.265+/H.265/H.264+/H.264/MJPEG		
Image Enhancement	3D DNR, Adaptive AGC, DDE, 15 Palettes		3D DNR, Adaptive AGC, DDE, 15 Palettes					3D DNR, Adaptive AGC, DDE, 15 Palettes				3D DNR, Adaptive AGC, DDE, 15 Palettes		
Alarm on Temperature	Monitor 10 points, 10 regions and 1 line within -20-150° C, ±8° C accuracy		Monitor 10 points, 10 regions and 1 line within -20-150° C, ±8° C accuracy					Monitor 10 points, 10 regions and 1 line within -20-150° C, ±8° C accuracy				Monitor 10 points, 10 regions and 1 line within -20-150° C, ±8° C accuracy		
Accurate Fire Detection	10 detection points ²		10 detection points ²					10 detection points ²				10 detection points ²		
Alarm I/O, Audio I/O	2/2, 1/1		2/2, 1/1					2/2, 1/1				2/2, 1/1		
Ratings	IP66 UL/cUL Listed		IP66 UL/cUL Listed					IP66 UL/cUL Listed				IP66 UL/cUL Listed		
Operating Temperature Range	-40° C to 65° C (-40° F to 149° F)		-40° C to 65° C (-40° F to 149° F)					-40° C to 65° C (-40° F to 149° F)				-40° C to 65° C (-40° F to 149° F)		
Power Requirements (max.)	12V DC, PoE (802.3af), 8 W		12V DC, 24V AC, PoE+ (802.3at), 8 W (20 W with De-icing Heater On)					12V DC, 24V AC, PoE+ (802.3at), 8 W (22 W with De-icing Heater On)				12V DC, 24V AC, 8 W (22 W with De-icing Heater On)		
Brackets	PM, CM, CB130		PM, CM, CB130					PM, CM, CB130				Includes Conduit Base Wall Mount		

Integration Note: All models on this page are ONVIF Profile S and G conformant and support RTSP, RTP, ISAPI (RESTful), Hikvision SDK and third party VMS.

1. Smart Suite: Refer to Data Sheet. Only available in VCA + Temperature Alarm mode.

2. Fire detection is only available in Temperature Alarm + Fire Detection mode.

THERMAL CAMERAS - SMART PRO SERIES

	OUTDOOR BULLET			THERMOGRAPHY BULLET			ANTI-CORROSION BULLET			
Model	RESOLUTION: High 			RESOLUTION: Medium 			RESOLUTION: High 		RESOLUTION: High 	
	DS-2TD2366-50 DS-2TD2366-75 DS-2TD2366-100			DS-2TD2136T-10 DS-2TD2136T-15 DS-2TD2136T-25			DS-2TD2166T-15 DS-2TD2166T-25		DS-2TD2466-25Y DS-2TD2466-50Y	
Thermal Pixels, Pitch, Sensor	640x512, 17 µm, Vanadium Oxide UFPA			384x288, 17 µm, Vanadium Oxide UFPA			640x512, 17 µm, Vanadium Oxide UFPA		640x512, 17 µm, Vanadium Oxide UFPA	
Spectral Response, NETD	8 to 14 µm, < 40mk @ 25°C			8 to 14 µm, < 40mk @ 25°C			8 to 14 µm, < 40mk @ 25°C		8 to 14 µm, < 40mk @ 25°C	
Frame Rate @ Resolution	50 fps @ 640x512 (main, sub and third stream)			50 fps @ 384x288 (main, sub and third stream)			50 fps @ 640x512 (main, sub and third stream)		50 fps @ 640x512 (main, sub and third stream)	
Lens Focal Length	50 mm	75 mm	100 mm	10 mm	15 mm	25 mm	15 mm	25 mm	25 mm	50 mm
Field of View (HxV)	12.4°x10.0°	8.30°x6.64°	6.23°x4.98°	37.2°x28.3°	24.6°x18.5°	14.9°x11.2°	42.5°x33.6°	24.6°x19.8°	24.6°x19.8°	12.4°x10.0°
IFOV (mRad), Min. Focus Distance	0.34, 7.5 m	0.23, 8.0 m	0.17, 10 m	1.7, 1.0 m	1.13, 2.5 m	0.68, 13 m	1.13 2.5 m	0.68, 13 m	0.68, 2 m	0.34, 5 m
Video Compression	H.265+/H.265/H.264+/H.264/MJPEG			H.265+/H.265/H.264+/H.264/MJPEG			H.265+/H.265/H.264+/H.264/MJPEG		H.265+/H.265/H.264+/H.264/MJPEG	
Image Enhancement	3D DNR, Adaptive AGC, DDE, 15 Palettes			3D DNR, Adaptive AGC, DDE, 15 Palettes			3D DNR, Adaptive AGC, DDE, 15 Palettes		3D DNR, Adaptive AGC, DDE, 15 Palettes	
Alarm on Temperature	Monitor 10 points, 10 regions and 1 line within -20–150°C, ±8°C accuracy			Monitor 10 points, 10 regions and 1 line within -20–550°C, Max (±2°C, ±2%) accuracy			Monitor 10 points, 10 regions and 1 line within -20–550°C, Max (±2°C, ±2%) accuracy		Monitor 10 points, 10 regions and 1 line within -20–150°C, ±8°C accuracy	
Accurate Fire Detection	10 detection points ²			10 detection points ²			10 detection points ²		10 detection points ²	
Alarm I/O, Audio I/O	2/2, 1/1			2/2, 1/1			2/2, 1/1		2/2, 1/1	
Ratings	IP66 UL/cUL Listed			IP66 UL/cUL Listed			IP66, UL/cUL Listed		IP66, UL/cUL Listed	
Operating Temperature Range	-40° C to 65° C (-40° F to 149° F)			-40° C to 65° C (-40° F to 149° F)			-40° C to 65° C (-40° F to 149° F)		-40° C to 65° C (-40° F to 149° F)	
Power Requirements (max.)	12V DC, 24V AC, 8 W (22 W with De-icing Heater On)			12V DC, 24V AC, PoE+ (802.3at), 8 W (20 W with De-icing Heater On)			12V DC, 24V AC, 8 W (22 W with De-icing Heater On)		12V DC, 24V AC, 10 W (22 W with De-icing Heater On)	
Brackets	Includes Conduit Base Wall Mount			CB130, PM, CM			CB130, PM, CM		JBM-SS, Includes SS Wall Mount	

Integration Note: All models on this page are ONVIF Profile S and G conformant and support RTSP, RTP, ISAPI (RESTful), Hikvision SDK and third party VMS.

1. Smart Suite: Refer to Data Sheet. Only available in VCA + Temperature Alarm mode.

2. Fire detection is only available in Temperature Alarm + Fire Detection mode.



THERMAL-OPTICAL CAMERAS - SMART PRO AND PERFORMANCE SERIES

	PERFORMANCE SERIES			SMART PRO SERIES		SMART PRO SERIES		SMART PRO SERIES		SMART PRO SERIES	
Model	Bi-spectrum DeepinView RESOLUTION: Low 			Bi-spectrum DeepinView RESOLUTION: Low 		Bi-spectrum DeepinView RESOLUTION: Medium 		Bi-spectrum DeepinView RESOLUTION: Medium  <small>*DeepinView (V1 ONLY)</small>		Bi-spectrum DeepinView RESOLUTION: High  <small>*DeepinView (V1 ONLY)</small>	
	DS-2TD1217-2/V1 DS-2TD1217-3/V1 DS-2TD1217-6/V1			DS-2TD2617-3/V1 DS-2TD2617-6/V1		DS-2TD2636-10 DS-2TD2636-15		DS-2TD2836-25 DS-2TD2836-50 DS-2TD2836-25/V1 NEW DS-2TD2836-50/V1 NEW		DS-2TD2866-25 DS-2TD2866-50 DS-2TD2866-25/V1 NEW DS-2TD2866-50/V1 NEW	
THERMAL	Thermal Pixels, Pitch, Sensor										
	160x120, 17 µm, Vanadium Oxide UFPA			160x120, 17 µm, Vanadium Oxide UFPA		384x288, 17 µm, Vanadium Oxide UFPA		384x288, 17 µm, Vanadium Oxide UFPA		640x512, 17 µm, Vanadium Oxide UFPA	
	Spectral Response, NETD										
	8 to 14 µm, < 40 mk @ 25°C			8 to 14 µm, < 40 mk @ 25°C		8 to 14 µm, < 40 mk @ 25°C		8 to 14 µm, < 40 mk @ 25 °C		8 to 14 µm, < 40 mk @ 25°C	
	Frame Rate @ Resolution										
	25 fps @ 320x240 (upscaled)			25 fps @ 320x240 (upscaled)		50 fps @ 384x288		50fps @ 384 x 288		50 fps @ 640x512	
Lens Focal Length											
1.8 mm	3.1 mm	6.2 mm	3.1 mm	6.2 mm	10 mm	15 mm	25 mm	50 mm	25 mm	50 mm	
Field of View (HxV)											
90.0°x66.4°	50.0°x37.2°	25.0°x18.7°	50.0°x37.2°	25.0°x18.7°	37.7°x28.7°	24.2°x18.7°	14.88°x 11.19°	7.47°x5.61°	24.6°x19.8°	12.4°x10.0°	
IFOV (mRad), Min. Focus Distance											
9.44, 0.1 m	5.48, 0.2 m	2.83, 0.6 m	5.48, 0.2 m	2.74, 0.6 m	1.70, 1.0 m	1.13, 2.5 m	0.68, 13 m	0.34, 50 m	0.68, 13 m	0.34, 50 m	
OPTICAL	Optical Sensor										
	2 MP, 1/2.7" CMOS			2 MP, 1/2.8" CMOS		2 MP, 1/2.8" CMOS		2 MP, 1/2.8" CMOS		2 MP, 1/2.8" CMOS	
	Frame Rate @ Resolution										
	30 fps @ 1920x1080, 1280x960, 1280x720			30 fps @ 1920x1080, 1280x960, 1280x720		30 fps @ 1920x1080, 1280x960, 1280x720		30 fps @ 1920x1080, 1280x960, 1280x720		30 fps @ 1920x1080, 1280x960, 1280x720	
	Min. Illumination (lux)										
	Color: 0.002 @ f/1.2 B/W: 0 with IR			Color: 0.002 @ f/1.5 B/W: 0 with IR		Color: 0.002 @ f/1.5 B/W: 0 with IR		Color: 0.001 @ f/1.2 B/W: 0 with IR		Color: 0.001 @ f/1.2 B/W: 0 with IR	
Lens, Field of View (HxV) (HxV)											
2.1 mm, 101.2°x77°	4 mm, 87°x46.2°	6 mm, 53°x30°	4 mm, 87°x46.2°	6 mm, 53°x30°	6 mm, 52.8°x30.0°	8 mm, 40.0°x22.4°	13 mm, 24°x13.7°	25 mm, 12.7°x7.2°	7 mm, 43°x25°	13 mm, 24°x13.7°	
IR Range Max (meters)											
15			40		40		100		100		
Video Compression											
H.265+/H.265/H.264+/H.264			H.265+/H.265/H.264+/H.264/MJPEG		H.265+/H.265/H.264+/H.264/MJPEG		H.265+/H.265/H.264+/H.264/MJPEG		H.265+/H.265/H.264+/H.264/MJPEG		
Image Enhancement											
Image Fusion, PiP, 120dB WDR, Adaptive AGC, DDE, 3D DNR, 15 Palettes			Image Fusion, PiP, DWDR, Adaptive AGC, DDE, 3D DNR, 15 Palettes		Image Fusion, PiP, DWDR, Adaptive AGC, DDE, 3D DNR, 15 Palettes		Image Fusion, PiP, 120dB WDR, Adaptive AGC, DDE, 3D DNR, 15 Palettes		Image Fusion, PiP, 120dB WDR, Adaptive AGC, DDE, 3D DNR, 15 Palettes		
Alarm on Temperature											
Monitor 10 points, 10 regions and 1 line within -20-150° C, ±8° C accuracy			Monitor 10 points, 10 regions and 1 line within -20-150° C, ±8° C accuracy		Monitor 10 points, 10 regions and 1 line within -20-150° C, ±8° C accuracy		Monitor 10 points, 10 regions and 1 line within -20-150° C, ±8° C accuracy		Monitor 10 points, 10 regions and 1 line within -20-150° C, ±8° C accuracy		
Accurate Fire Detection											
10 detection points ²			10 detection points ²		10 detection points ²		10 detection points ²		10 detection points ²		
Alarm I/O, Audio I/O											
1/1, 1/1			2/2, 1/1		2/2, 1/1		2/2, 1/1		2/2, 1/1		
Ratings											
IP67, UL/cUL Listed			IP66, UL/cUL Listed		IP66, UL/cUL Listed		IP66, UL/cUL Listed		IP66, UL/cUL Listed		
Operating Temperature Range											
-30° C to 60° C (-22° F to 140° F)			-40° C to 60° C (-40° F to 140° F)		-40° C to 60° C (-40° F to 140° F)		-40° C to 60° C (-40° F to 140° F)		-40° C to 60° C (-40° F to 140° F)		
Power Requirements (max.)											
12V DC, PoE (802.3af), 8.5 W			12V DC, PoE (802.3af), 12 W		12V DC, 24V AC, PoE+ (802.3at), 10 W (20 W with De-icing Heater On)		12V DC, 24V AC, PoE+ (802.3at), 15 W (22 W with De-icing Heater On)		12V DC, 24V AC, PoE+ (802.3at), 16 W (24 W with De-icing Heater On)		
Brackets											
CB140PT, PC140, WMS, PM, CM, CPM			PM, CM, CB130		PM, CM, CB130		Includes Conduit Base Wall Mount		Includes Conduit Base Wall Mount		

Integration Note: All models on this page are ONVIF Profile S and G conformant and support RTSP, RTP, ISAPI (RESTful), Hikvision SDK and third party VMS.
 1. Smart Suite: Refer to Data Sheet. Only available in VCA + Temperature Alarm mode.
 2. Fire detection is only available in Temperature Alarm + Fire Detection mode.

THERMAL-OPTICAL CAMERAS - SMART PRO SERIES

		OUTDOOR BULLET		OUTDOOR PTZ DOME								
Model	Bi-spectrum RESOLUTION: Medium				Model	Smart Tracking Bi-spectrum RESOLUTION: Medium				Smart Tracking Bi-spectrum DeepinView RESOLUTION: Medium		
	DS-2TD2235D-25 DS-2TD2235D-50		DS-2TD4035D-25 DS-2TD4035D-50			DS-2TD4136-25 DS-2TD4136-50 DS-2TD4136-25/V2 NEW DS-2TD4136-50/V2 NEW						
THERMAL	Thermal Pixels, Pitch, Sensor	384x288, 25 µm, Vanadium Oxide UFPA		384x288, 17 µm, Vanadium Oxide UFPA		384x288, 17 µm, Vanadium Oxide UFPA		384x288, 17 µm, Vanadium Oxide UFPA		384x288, 17 µm, Vanadium Oxide UFPA		
	Spectral Response, NETD	8 to 14 µm, < 50 mk @ 25° C		8 to 14 µm, < 50 mK @ 25° C		8 to 14 µm, < 50 mK @ 25° C		8 to 14 µm, < 40 mK @ 25° C		8 to 14 µm, < 40 mK @ 25° C		
	Frame Rate @ Resolution	50 fps @ 384x288		25 fps @ 384x288		25 fps @ 384x288		50 fps @ 384x288		50 fps @ 384x288		
	Lens Focal Length	25 mm	50 mm	25 mm	50 mm	25 mm	50 mm	25 mm	50 mm	25 mm	50 mm	
	Field of View (HxV)	21.7°x16.4°	11.0°x8.2°	21.7°x16.4°	11.0°x8.2°	15°x11°	7.47°x5.61°	21.7°x16.4°	11.0°x8.2°	15°x11°	7.47°x5.61°	
	IFOV (mRad), Min. Focus Distance	1, 13 m	0.5, 50 m	1.0, 13 m	0.5, 50 m	0.68, 13 m	0.34, 50 m	1.0, 13 m	0.5, 50 m	0.68, 13 m	0.34, 50 m	
OPTICAL	Optical Sensor	2 MP, 1/1.8" CMOS		2 MP, 1/2.8" CMOS		2 MP, 1/2.8" CMOS		2 MP, 1/1.9" CMOS		2 MP, 1/1.9" CMOS		
	Frame Rate @ Resolution	30 fps @ 1920x1080, 1280x960, 1280x720		30 fps @ 1920x1080, 1280x960, 1280x720		30 fps @ 1920x1080, 1280x960, 1280x720		30 fps @ 1920x1080, 1280x960, 1280x720		30 fps @ 1920x1080, 1280x960, 1280x720		
	Min. Illumination (lux)	Color: 0.002 @ f/1.2 B/W: 0 with IR		Color: 0.3 @ f/1.6 B/W: 0.02 @ f/1.6		Color: 0.3 @ f/1.6 B/W: 0.02 @ f/1.6		Color: 0.002 @ f/1.5 B/W: 0 with IR		Color: 0.002 @ f/1.5 B/W: 0 with IR		
	Lens, Field of View (HxV) (HxV)	11 mm, 36.2°x20.9°	23 mm, 17.8°x10.1°	4.3 to 129 mm	4.3 to 129 mm	5.7 to 205.2 mm	5.7 to 205.2 mm	11 mm, 36.2°x20.9°	23 mm, 17.8°x10.1°	5.7 to 205.2 mm	5.7 to 205.2 mm	
	IR Range Max (meters)	120		150		150		200		200		
	Zoom (Optical/Digital)	120		30x/16x		30x/16x		36x/16x		36x/16x		
Pan, Tilt Range	360° endless, -15° to 90° (auto flip)		360° endless, -15° to 90° (auto flip)		360° endless, -15° to 90° (auto flip)		360° endless, -20° to 90° (auto flip)		360° endless, -20° to 90° (auto flip)			
Max. Presets, Tours, Patterns	300, 8, 4		300, 8, 4		300, 8, 4		300, 8, 4		300, 8, 4			
Video Compression	H.264+/H.264/MJPEG		H.264 /MJPEG/MPEG4		H.264 /MJPEG/MPEG4		H.265+/H.265 (V2 ONLY), H.264+/H.264/MJPEG		H.265+/H.265 (V2 ONLY), H.264+/H.264/MJPEG			
Image Enhancement	120dB WDR, Adaptive AGC, DDE, 3D DNR, 15 Palettes		120dB WDR, Adaptive AGC, DDE, 3D DNR, 15 Palettes		120dB WDR, Adaptive AGC, DDE, 3D DNR, 15 Palettes		120dB WDR, Adaptive AGC, DDE, 3D DNR, 15 Palettes		120dB WDR, Adaptive AGC, DDE, 3D DNR, 15 Palettes			
Alarm on Temperature	Monitor 10 points, 10 regions and 1 line within -20-150° C, ±8° C accuracy		Monitor 10 points, 10 regions and 1 line within -20-150° C, ±8° C accuracy		Monitor 10 points, 10 regions and 1 line within -20-150° C, ±8° C accuracy		Monitor (10 points, 10 regions and 1 line) x 273 scenes within -20-150° C, ±8° C accuracy		Monitor (10 points, 10 regions and 1 line) x 273 scenes within -20-150° C, ±8° C accuracy			
Accurate Fire Detection	10 detection points ²		10 detection points ²		10 detection points ²		10 detection points ²		10 detection points ²			
Alarm I/O, Audio I/O	2/2, 1/1		7/2, 1/1		7/2, 1/1		7/2, 1/1		7/2, 1/1			
Ratings	IP66, UL/cUL Listed		IP66, UL/cUL Listed		IP66, UL/cUL Listed		IP66, UL/cUL Listed		IP66, UL/cUL Listed			
Operating Temperature Range	-40° C to 60° C (-40° F to 140° F)		-40° C to 60° C (-40° F to 140° F)		-40° C to 60° C (-40° F to 140° F)		-40° C to 60° C (-40° F to 140° F)		-40° C to 60° C (-40° F to 140° F)			
Power Requirements (max.)	24V AC, 40 W		24V AC, 60 W		24V AC, 60 W		24V AC, 60 W		24V AC, 60 W			
Brackets	Includes Wall Mount		RPM, WMP-L, WMP-PV, PMP, CMP, JBPW-L, CMP-JB, PMP-JB, CPM-S, CPM-L, CPMPE		RPM, WMP-L, WMP-PV, PMP, CMP, JBPW-L, CMP-JB, PMP-JB, CPM-S, CPM-L, CPMPE		RPM, WMP-L, WMP-PV, PMP, CMP, JBPW-L, CMP-JB, PMP-JB, CPM-S, CPM-L, CPMPE		RPM, WMP-L, WMP-PV, PMP, CMP, JBPW-L, CMP-JB, PMP-JB, CPM-S, CPM-L, CPMPE			

Integration Note: All models on this page are ONVIF Profile S and G conformant and support RTSP, RTP, ISAPI (RESTful), Hikvision SDK and third party VMS.
 1. Smart Suite: Refer to Data Sheet. Only available in VCA + Temperature Alarm mode.
 2. Fire detection is only available in Temperature Alarm + Fire Detection mode.
 Smart Tracking: Auto-tracking of objects that trigger VCA Smart Events, trigger motion, or are manually selected.

THERMAL-OPTICAL PTZ CAMERAS - SMART PRO SERIES

OUTDOOR PTZ DOME		OUTDOOR UPRIGHT PTZ						
Model	 <p>Smart Tracking Bi-spectrum DeepinView RESOLUTION: High</p> <p><small>*DeepinView (V2 ONLY)</small></p> <p>DS-2TD4166-25 DS-2TD4166-50 DS-2TD4166-25/V2 NEW DS-2TD4166-50/V2 NEW</p>	 <p>Smart Tracking Bi-spectrum DeepinView RESOLUTION: Medium</p> <p>DS-2TD4237-10/V2 DS-2TD4237-25/V2</p>	 <p>NEW Smart Tracking Bi-spectrum RESOLUTION: Medium</p> <p>DS-2TD6135-50B2L</p>	 <p>Smart Tracking Bi-spectrum DeepinView RESOLUTION: Medium</p> <p><small>*DeepinView (V2 ONLY)</small></p> <p>DS-2TD6236-50H2L DS-2TD6236-75C2L DS-2TD6236-50H2L/V2 NEW DS-2TD6236-75C2L/V2 NEW</p>				
	Thermal Pixels, Pitch, Sensor	640x512, 17 µm, Vanadium Oxide UFPA		384x288, 17 µm, Vanadium Oxide UFPA				
Spectral Response, NETD	8 to 14 µm, < 40 mK @ 25°C		8 to 14 µm, < 40 mK @ 25 °C					
Frame Rate @ Resolution	50 fps @ 640x512		25 fps @ 1280x720 (upscaled), 384x288					
Lens Focal Length	25 mm	50 mm	10 mm	25 mm	50 mm	75 mm		
Field of View (HxV)	24.6°x19.8°	12.4° x 10.0°	37.7°x28.7°	14.9°x11.2°	11.0°x8.24°	7.47° x 5.61°	4.98° x 3.74°	
I FOV (mRad), Min. Focus Distance	0.68, 13 m	0.34, 50 m	1.70, 1.2 m	0.68, 13m	0.5, 7.5 m	0.34, 7.5 m	0.23, 8 m	
Optical Sensor	2 MP, 1/1.9" CMOS		2 MP, 1/2.8" CMOS		2 MP, 1/2.8" CMOS		2 MP, 1/2.8" CMOS	
Frame Rate @ Resolution	30 fps @ 1920x1080, 1280x960, 1280x720		30 fps @ 1920x1080, 1280x960, 1280x720		30 fps @ 1920x1080, 1280x960, 1280x720		30 fps @ 1920x1080, 1280x960, 1280x720	
Min. Illumination (lux)	Color: 0.002 @ f/1.5 B/W: 0 with IR		Color: 0.05 @ f/1.2 B/W: 0 with IR		Color: 0.02 @ f/1.5 B/W: 0 with IR		Color: 0.02 @ f/1.5 B/W: 0 with IR	
IR Range Max (meters)	200		100		500		500	
Lens Focal Length	5.7 to 205.2 mm		4.8 to 153 mm		8 to 250 mm		6.7 to 330 mm	
Zoom (Optical/Digital)	36x/16x		32x/16x		32x/16x		36x/16x	
Pan, Tilt Range	360° endless, -20° to 90°		360° endless, -5° to 90°		360° endless, -40° to 90°		360° endless, -40° to 90°	
Max. Presets, Tours, Patterns	300, 8, 4		300, 8, 4		300, 8, 4		300, 8, 4	
Video Compression	H.265+/H.265 (V2 ONLY), H.264+/H.264/MJPEG		H.265+/H.264+/H.265/H.264		H.264 /MJPEG/MPEG4		H.265+/H.265 (V2 ONLY), H.264+/H.264/MJPEG	
Image Enhancement	120dB WDR, Adaptive AGC, DDE, 3D DNR, 15 Palettes		120 dB WDR, Adaptive AGC, DDE, 3D DNR, 15 Palettes		120 dB WDR, Adaptive AGC, DDE, 3D DNR, Defog, 15 Palettes		120 dB WDR, Adaptive AGC, DDE, 3D DNR, Defog, 15 Palettes	
Alarm on Temperature	Monitor (10 points, 10 regions and 1 line) x 273 scenes within -20-150° C, ±8° C accuracy		Monitor (10 points, 10 regions and 1 line) x 273 scenes within -20-150° C, ±8° C accuracy		Monitor (10 points, 10 regions and 1 line) x 273 scenes within -20-150° C, ±8° C accuracy		Monitor (10 points, 10 regions and 1 line) x 273 scenes within -20-150° C, ±8° C accuracy	
Accurate Fire Detection	10 detection points?		10 detection points?		10 detection points?		10 detection points?	
Alarm I/O, Audio I/O	7/2, 1/1		7/2, 1/1		7/2, 1/1		7/2, 1/1	
Ratings	IP66 UL/cUL Listed		IP66 UL/cUL Listed		IP66 UL/cUL Listed		IP66 UL/cUL Listed	
Operating Temperature Range	-40° C to 60° C (-40° F to 140° F)		-30° C to 60° C (-22° F to 140° F)		-40° C to 60° C (-40° F to 140° F)		-40° C to 60° C (-40° F to 140° F)	
Power Requirements (max.)	24V AC, 60 W		24V AC, 30 W		24V AC, 120 W		24V AC, 120 W	
Brackets	RPM, WMP-L, WMP-PV, PMP, CMP, JBPW-L, CMP-JB, PMP-JB, CPM-S, CPM-L, CPMPE		RPM, WMP-L, WMP-PV, PMP, CMP, JBPW-L, CMP-JB, PMP-JB, CPM-S, CPM-L, CPMPE		WBPT		WBPT	

Integration Note: All models on this page are ONVIF Profile S and G conformant and support RTSP, RTP, ISAPI (RESTful), Hikvision SDK and third party VMS.

1. Smart Suite: Refer to Data Sheet. Only available in VCA + Temperature Alarm mode.

2. Fire detection is only available in Temperature Alarm + Fire Detection mode.

Smart Tracking: Auto-tracking of objects that trigger VCA Smart Events, trigger motion, or are manually selected.

THERMAL-OPTICAL CAMERAS - SMART PRO SERIES

	Smart Tracking Bi-spectrum DeepinView RESOLUTION: High			Smart Tracking Bi-spectrum RESOLUTION: High		
						
Model	*DeepinView (V2 ONLY)			DS-2TD6166-50B2L DS-2TD6166-75B2L		
	DS-2TD6266-50H2L DS-2TD6266-75C2L DS-2TD6266-100C2L DS-2TD6266-50H2L/V2 NEW DS-2TD6266-75C2L/V2 NEW DS-2TD6266-100C2L/V2 NEW					
Thermal Pixels, Pitch, Sensor	640x512, 17 µm, Vanadium Oxide UFPA			640x512, 17 µm, Vanadium Oxide UFPA		
Spectral Response, NETD	8 to 14 µm, < 40 mK @ 25 °C			8 to 14 µm, < 50 mK @ 25 °C		
Frame Rate @ Resolution	50 fps @ 640 × 512			50 fps @ 640x512		
Lens Focal Length	50 mm	75 mm	100 mm	50 mm	75 mm	
Field of View (HxV)	12.4°x9.95°	8.30°x6.64°	6.23°x4.98°	12.4°x9.95°	8.3°x6.64°	
IFOV (mRad), Min. Focus Distance	0.34, 7.5 m	0.23, 8 m	0.17, 10 m	0.34, 7.5 m	0.23, 7.5 m	
Optical Sensor	2 MP, 1/1.9" CMOS			2 MP, 1/2.8" CMOS		
Frame Rate @ Resolution	30 fps @ 1920x1080, 1280x960, 1280x720			30 fps @ 1920x1080, 1280x960, 1280x720		
Min. Illumination (lux) without IR	Color: 0.002 @ f/1.5 B/W: 0 with IR			Color: 0.02 @ f/1.5 B/W: 0 with IR		
IR Range Max (Meters)	500			500		
Lens	5.7 to 205.2 mm			8 to 250 mm		
Total Zoom	36x/16x			36x/16x		
Pan, Tilt Range	360° endless, -40° to 90°			360° endless, -40° to 90°		
Max. Presets, Tours, Patterns	300, 8, 4			300, 8, 4		
Video Compression	H.265+/H.265 (V2 ONLY), H.264+/H.264/MJPEG			H.264/MJPEG/MPEG4		
Image Enhancement	120 dB WDR, Adaptive AGC, DDE, 3D DNR, Defog, 15 Palettes			120 dB WDR, Adaptive AGC, DDE, 3D DNR, Defog, 15 Palettes		
Alarm on Temperature	Monitor (10 points, 10 regions and 1 line) ×273 scenes within -20–150° C, ±8° C accuracy			Monitor (10 points, 10 regions and 1 line) ×273 scenes within -20–150° C, ±8° C accuracy		
Accurate Fire Detection	10 detection points ²			10 detection points ²		
Alarm I/O, Audio I/O	7/2, 1/1			7/2, 1/1		
Ratings	IP66, UL/cUL Listed			IP66, UL/cUL Listed		
Operating Temperature Range	-40° C to 60° C (-40° F to 140° F)			-40° C to 60° C (-40° F to 140° F)		
Power Requirements (max.)	24V AC, 120 W			24V AC, 120 W		
Brackets	WBPT			WBPT		

Integration Note: All models on this page are ONVIF Profile S and G conformant and support RTSP, RTP, ISAPI (RESTful), Hikvision SDK and third party VMS.

1. Smart Suite: Refer to Data Sheet. Only available in VCA + Temperature Alarm mode.

2. Fire detection is only available in Temperature Alarm + Fire Detection mode.

Smart Tracking: Auto-tracking of objects that trigger VCA Smart Events, trigger motion, or are manually selected.



THERMAL-OPTICAL CAMERAS - SMART PRO SERIES

OUTDOOR UPRIGHT PTZ		THERMAL INSPECTION		THERMAL INSPECTION		
Model						
	DS-2TD8166-150ZE2F/V2 DS-2TD8166-180ZE2F/V2		DS-2TP31-03AUF		DS-2TP23-10VM/W	
THERMAL	Smart Tracking Bi-spectrum DeepinView <small>RESOLUTION:</small> High		NEW			
	Thermal Pixels, Pitch, Sensor		640x512, 17 µm, Vanadium Oxide UFPA		Thermal Pixels, Pitch, Sensor	
	8 to 14 µm, < 40 mK @ 25 °C		8 to 14 µm, < 40 mK @ 25 °C		Spectral Response, NETD	
	50 fps @ 640x512		3.1 mm		10 mm	
	30 to 150 mm		45 to 180 mm		Thermal Lens	
	20.6°x16.5° to 4.15°x3.32°		13.8°x11° to 3.46°x2.77°		Field of View (HxV)	
	0.57 to 0.11, 2 m		0.38 to 0.09, 5 m		IFOV (mRad)	
	2 MP, 1/1.8" CMOS		Measurements: Min., Max. and Center Measurement Range: -20° C to 550° C (-4° F to 1022° F) Accuracy: Max (±2° C, ±2%)		Thermography	
	30 fps @ 1920x1080, 1280x960, 1280x720		---		Measurements: Min., Max., Center, and Custom Point/Line/Area Measurement Range: -20° C to 550° C (-4° F to 1022° F) Accuracy: Max (±2° C, ±2%)	
	Color: 0.005 @ f/3.5 B/W: 0.0005 @ f/3.5		4 Palettes		2 MP	
OPTICAL	---		320x240, 2.4 in, LCD display		Image Fusion, PiP, 4x Zoom, 7 Palettes	
	12.5 to 775 mm		Built-in Li-ion, Lasts up to 8 hours		640x480, 3.5 in, LCD touch display	
	62x/---		Recordable Content		Removeable and rechargeable Li-ion, Lasts up to 4 hours	
	360° endless, -45° to 45° (auto flip)		Snapshot		Video, Snapshot w/ Text, Voice	
	300, 8, 4		Record Video, Snapshot, Text/Voice		Yes, Yes, Yes	
	H.265+/ H.264+/H.265/H.264/MJPEG		Local Storage		Replaceable SD, 8 GB included, 128 GB max.	
	DWDR, Adaptive AGC, DDE, 3D DNR, Defog, 15 Palettes		Wi-Fi, GPS		Replaceable memory card, 64 GB	
	Monitor (10 points, 10 regions and 1 line) x273 scenes within -20-150° C, ±8° C accuracy		Interface		Yes, No	
	10 detection points ²		Flashlight, Laser Sight		Yes, Yes	
	7/2, 1/1		Drop Test Height		2 m (6.56 feet)	
IP66, UL/cUL Listed		Standards		IP54		
-40° C to 60° C (-40° F to 140° F)		Operating Temperature Range		-10° C to 50° C (14° F to 122° F)		
48V DC, 220 W		Dimension (LxWxH)		196 x 117 x 59 mm (7.7 x 4.6 x 2.3 in)		
---		Weight		244 x 100 x 104 mm (9.6 x 3.9 x 4.1 in)		
---		Approx. 350 g (0.77 lb)		Approx. 660 g (1.46 lb)		

Integration Note: All models on this page are ONVIF Profile S and G conformant and support RTSP, RTP, ISAPI (RESTful), Hikvision SDK and third party VMS.

1. Smart Suite: Refer to Data Sheet. Only available in VCA + Temperature Alarm mode.

2. Fire detection is only available in Temperature Alarm + Fire Detection mode.

Smart Tracking: Auto-tracking of objects that trigger VCA Smart Events, trigger motion, or are manually selected.



Performance & Value IP Cameras

For those applications where performance is important and budgets are limited, Hikvision offers its Performance and Value Series products. Equipped with some of the Smart Pro features, these products deliver greater flexibility with select feature sets, and several models are available in optional black finish. A selection of Performance cameras and Value PTZs include DarkFighter technology (Powered by DarkFighter) to enhance performance in low light conditions. And Value Series cameras are now available in 8 MP (4K UHD) resolution.

FEATURES

- Hikvision's latest H.265+ video compression technology captures surveillance video using a decreased bitrate, reducing bandwidth requirements and storage costs.
- EXIR 2.0 (EXTended InfraRed) technology uses the latest manufacturing components and techniques to improve low light performance, efficiency and lifetime of the IR device.
- Powered by DarkFighter technology in Performance Series cameras and Value PTZs increases sensitivity in low light conditions.
- With the new Video Doorbell camera DS-HD1, you can see, hear and speak to anyone at your door from your smartphone or tablet.

APPLICATION EXAMPLES



Office Buildings, Warehouses
and Factories



Parking Lots



Residential



Performance Cameras

New technologies have been added to our cameras in Performance Solutions including Hikvision AcuSense and ColorVu products.

AcuSense technology makes advanced video content analysis and Deep Learning algorithms available to any size application for the first time. AcuSense filters false alarms and will recognize targets, classifying them as human, vehicle, or other. Hikvision AcuSense works by disregarding movements in nature, such as animals, rain or leaves, while triggering alerts when vehicles or humans are detected by a camera or a backend NVR.

Hikvision ColorVu cameras deliver crisp, full color, full motion video in complete darkness, by using a high-performance sensor, a large iris, and gentle supplemental lighting. ColorVu offers many benefits:

- Clear, full color images—day and night—with brilliant detail and clarity for rapid identification of suspects.
- Improved safety for employees and customers walking in parking lots or other poorly lit areas at all times of day and night. It illuminates darkened walkways within cities, buildings, or on campuses.
- It reduces risk around the clock, and enhances details when reviewing footage after an incident.

ACUSENSE CAMERA - PERFORMANCE SERIES

	OUTDOOR DOME	TURRET	OUTDOOR BULLET	
Model	 Powered by DarkFighter. EXIR 2.0	 Powered by DarkFighter. EXIR 2.0	 Powered by DarkFighter. EXIR 2.0	 Powered by DarkFighter. EXIR 2.0
	DS-2CD2146G1-IS	DS-2CD2346G1-I DS-2CD2346G1-I/SL	DS-2CD2T46G1-4I	DS-2CD2T46G1-4I/SL
Megapixels	4 MP	4 MP	4 MP	
Sensor Size (Progressive Scan CMOS)	1/2.7"	1/2.7"	1/2.7"	
Min. Illumination (lux)	Color: 0.012 @ f/1.6 B/W: 0 with IR	Color: 0.012 @ f/1.6 B/W: 0 with IR	Color: 0.012 @ f/1.6 B/W: 0 with IR	
Lens, Field of View (HxV)	Fixed, 2.8 mm: H 104°, V 58° 4 mm: H 83°, V 44° 6 mm: H 51°, V 28°	Fixed, 2.8 mm: H 104°, V 58° 4 mm: H 83°, V 44° 6 mm: H 51°, V 28°	Fixed, 2.8 mm: H 104°, V 58° 4 mm: H 83°, V 44° 6 mm: H 51°, V 28° 8 mm: H 39°, V 21°	
Day/Night, BLC, WDR	True, Yes, 120 dB	True, Yes, 120 dB	True, Yes, 120 dB	
IR Range Max (meters)	30	50/30	80	
Video Compression	H.265/H.264/MJPEG	H.265/H.264/MJPEG	H.265/H.264/MJPEG	
Max. Image Resolution (pixels) and Frame Rate	2688x1520,30	2688x1520, 30	2688x1520, 30	
Audio Input/Output	IN: 1 line OUT: 1 line	-I/SL: Pre-recorded message on alarm	-4I/SL: Pre-recorded message on alarm	
Alarm Input/Output	1/1	-I/SL: Strobe Light on alarm	-4I/SL: Strobe Light on alarm	
Ratings	IP67, IK10, UL/cUL Listed	-I: IP67, UL/cUL Listed -I/SL: Indoor, UL/cUL Listed	-4I: IP67, UL/cUL Listed -4I/SL: IP66, UL/cUL Listed	
Operating Temperature Range	-30° C to 50° C (-22° F to 122° F)	-I: -30° C to 50° C (-22° F to 122° F) -I/SL: -30° C to 60° C (-22° F to 140° F)	-4I: 30° C to 50° C (-22° F to 122° F) -4I/SL: -30° C to 60° C (-22° F to 140° F)	
Power Requirements (max.)	12V DC, PoE (802.3af), 10 W	-I: 12V DC, PoE (802.3af), 10W -I/SL: 12V DC, PoE (802.3af), 12W	-4I: 12V DC, PoE (802.3at), 17 W -4I/SL: 12V DC, PoE (802.3af), 7.5 W	
Brackets	PC120, WMS, CPM, CM, PM, SRSM	PC140, CPM, WML, CB135, CM, PM	CBS, CB130, CM, PM	

Complies with ONVIF (Profile S and G), ASAPI.
Contact for factory details

	OUTDOOR VF BULLET	OUTDOOR VF DOME	COLORVU OUTDOOR TURRET	COLORVU OUTDOOR BULLET	
Model	 DS-2CD2646G1-IZS	 DS-2CD2746G1-IZS	 DS-2CD2327G1-L DS-2CD2327G1-LU DS-2CD2347G1-L DS-2CD2347G1-LU	 DS-2CD2027G1-L DS-2CD2047G1-L	NEW  DS-2CD2T27G1-L DS-2CD2T47G1-L
Megapixels	4 MP	4 MP	2/4 MP	2/4 MP	2/4 MP
Sensor Size (Progressive Scan CMOS)	1/2.7"	1/2.7"	1/2.8"	2 MP: 1/2.8" 4 MP: 1/1.8"	2 MP: 1/2.8" 4 MP: 1/1.8"
Min. Illumination (lux)	Color: 0.01 @ f/1.4 B/W: 0 with IR	Color: 0.01 @ f/1.4 B/W: 0 with IR	2 MP: Color: 0.0035 @ f/1.0 4 MP: Color: 0.0014 @ f/1.0 All: B/W: 0 with IR	2 MP: Color: 0.0035 @ f/1.0 4 MP: Color: 0.0014 @ f/1.0 All: B/W: 0 with IR	2 MP: Color: 0.0035 @ f/1.0 4 MP: Color: 0.0014 @ f/1.0 All: B/W: 0 with IR
Lens, Field of View (HxV)	2.8 to 12 mm @ f/1.4, motorized, H 101° to 29°, V 54° to 16°	2.8 to 12 mm @ f/1.4, motorized, H 101° to 29°, V 54° to 16°	2.8 mm/4 mm/6 mm fixed lens 2 MP: 2.8 mm, H 112°, V 57° 4 mm, H 89°, V 46° 6 mm, H 56°, V 30° 4 MP: 2.8 mm, H 109°, V 55° 4 mm, H 94°, V 48° 6 mm, H 57°, V 31°	2.8 mm/4 mm/6 mm fixed lens 2 MP: 2.8 mm, H 112°, V 57° 4 mm, H 89°, V 47° 6 mm, H 54°, V 30° 4 MP: 2.8 mm, H 102°, V 51° 4 mm, H 89°, V 46° 6 mm, H 54°, V 30°	2.8 mm/4 mm/6 mm fixed lens 2 MP: 2.8 mm, H 112°, V 57° 4 mm, H 89°, V 46° 6 mm, H 56°, V 30° 4 MP: 2.8 mm, H 109°, V 55° 4 mm, H 94°, V 48° 6 mm, H 57°, V 31°
White Light Range Max (meters)	---	---	30 (Adjustable)	---	30 (Adjustable)
Day/Night, BLC, WDR	True, Yes, 120 dB	True, Yes, 120 dB	True, Yes, 120 dB	True, Yes, 120 dB	True, Yes, 120 dB
IR Range Max (meters)	50	30	---	30 m	---
Video Compression	H.265/H.264/MJPEG	H.265/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG
Max. Image Resolution (pixels) and Frame Rate	2688x1520, 30	2688x1520, 30	2 MP: 1920x1080, 30 4 MP: 2688x1520, 30	2 MP: 1920x1080, 30 4 MP: 2560x1440, 25	2 MP: 1920x1080, 30 4 MP: 2688x1520, 30
Audio Input/Output	IN: 1 line OUT: 1 line	IN: 1 line OUT: 1 line	-LU: Built-in Mic	---	---
Alarm Input/Output	1/1	1/1	---	---	---
Ratings	IP67, IK10, UL/cUL Listed	IP67, IK10, UL/cUL Listed	-L: IP67 -LU: IP66 UL/cUL Listed	IP67	IP67, UL/cUL Listed
Operating Temperature Range	-30° C to +60° C (-22° F to +140° F)	-30° C to +60° C (-22° F to +140° F)	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)
Power Requirements (max.)	12V DC, PoE (802.3at), 19 W	12V DC, PoE (802.3af), 12.9 W	12V DC, PoE (802.3af), 7.5 W	12V DC, PoE (802.3af), 6.5 W	12V DC, PoE (802.3af), 10.5 W
Brackets	CB130, CBS, PM, CM	WML,PC155, PM1, CM1, SRSL, CB155	CPM, PC140, CB135, WML, CM, PM	CBS, CM, PM	CBS, CB130, CM, PM

Complies with ONVIF (Profile S and G), CGI ISAPI. Contact for factory details. See data sheet for supported analytics.

	MINI BULLET		OUTDOOR BULLET		OUTDOOR VF BULLET
Model	Powered by DarkFighter. EXIR 2.0 		Powered by DarkFighter. EXIR 2.0 		Powered by DarkFighter. EXIR 2.0 
	DS-2CD2025FHWD-I DS-2CD2045FWD-I	DS-2CD2065G1-I DS-2CD2085G1-I	DS-2CD2T25FHWD-I5 DS-2CD2T45FWD-I5	DS-2CD2T65G1-I5 DS-2CD2T85G1-I5	DS-2CD2625FHWD-IZS DS-2CD2645FWD-IZS DS-2CD2665G0-IZS DS-2CD2685G0-IZS
Megapixels	2/4/6/8 MP		2/4/6/8 MP		2/4/6/8 MP
Sensor Size (Progressive Scan CMOS)	2 MP: 1/2.8" 4 MP: 1/2.5" 6 MP: 1/2.4" 8 MP: 1/2"		2 MP: 1/2.8" 4 MP: 1/2.5" 6 MP: 1/2.4" 8 MP: 1/2"		2 MP: 1/2.8" 4 MP: 1/2.5" 6 MP: 1/2.4" 8 MP: 1/2"
Min. Illumination (lux)	2 MP: Color: 0.009 @ f/1.6, 4/6/8 MP: Color: 0.014 @ f/1.6, B/W: 0 with IR		2 MP: Color: 0.009 @ f/1.6, 4/6/8 MP: Color: 0.014 @ f/1.6, B/W: 0 with IR		2 MP: Color: 0.0068 @ f/1.4, 4/6/8 MP: Color: 0.011 @ f/1.4, B/W: 0 with IR
Lens, Field of View (HxV)	2 MP: 2.8 mm (108°), 4 mm (86.4°), 6 mm (52°) 8 mm (41°) 4 MP: 2.8 mm (109°), 4 mm (88°), 6 mm (53°) 6 MP: 2.8 mm (99°), 4 mm (80°), 6 mm (60°) 8 MP: 2.8 mm (102°), 4 mm (78°), 6 mm (50°)		2 MP: 2.8mm (108°), 4 mm (86.4°), 6 mm (52°), 8 mm (41°) 4 MP: 2.8 mm (109°), 4 mm (88°), 6 mm (53°), 8 mm (41°) 6 MP: 2.8 mm (99°), 4 mm (80°), 6 mm (60°) 8 MP: 2.8 mm (102°), 4 mm (78°), 6 mm (50°)		2.8 to 12 mm @ f/1.4, motorized, autofocus 2 MP: H 105° to 35°, V:56° to 20° 4 MP: H 114° to 32°, V 59° to 18° 6 MP: H 114° to 34°, V 71° to 23° 8 MP: H 112° to 46°, V 60° to 26°
Day/Night, BLC, WDR	True, Yes, 120 dB		True, Yes, 120 dB		True, Yes, 120 dB
IR Range Max (meters)	30		50		50
Video Compression	H.265+/H.265/H.264+/H.264/MJPEG		H.265+/H.265/H.264+/H.264/MJPEG		H.265+/H.265/H.264+/H.264/MJPEG
Max. Image Resolution (pixels) and Frame Rate	2 MP: 1920×1080, 60 4 MP: 2688×1520, 30 6 MP: 3072×2048, 20 8 MP: 3840×2160, 20		2 MP: 1920×1080, 60 4 MP: 2688×1520, 30 6 MP: 3072×2048, 20 8 MP: 3840×2160, 20		2 MP: 1920×1080, 60 4 MP: 2688×1520, 30 6 MP: 3072×2048, 20 8 MP: 3840×2160, 20
Audio Input/Output	---		---		IN: 1 line OUT: 1 line
Alarm Input/Output	---		---		1/1
Ratings	IP67, UL/cUL Listed		IP67, UL/cUL Listed		IP67, IK10, UL/cUL Listed
Operating Temperature Range	-30° C to 60° C (-22° F to 140° F)		-30° C to 60° C (-22° F to 140° F)		-30° C to 60° C (-22° F to 140° F)
Power Requirements (max.)	2 MP: 12V DC, PoE (802.3af), 6.5 W 4 MP: 12V DC, PoE (802.3af), 7 W 6/8 MP: 12V DC, PoE (802.3af), 7.5 W		2 MP: 12V DC, PoE (802.3af), 9 W 4/6 MP: 12V DC, PoE (802.3af), 9.5 W 8 MP: 12V DC, PoE (802.3af), 11 W		12V DC, PoE Plus (802.3af), 17.5 W
Brackets	CBXS		PM, CM, CB130, CBS		PM1, CM1

Complies with ONVIF (Profile S and G), CGI ISAPI. Contact for factory details.
 See data sheet for supported analytics.

	OUTDOOR COMPACT DOME	OUTDOOR DOME	INDOOR DOME	OUTDOOR VF DOME	GAMING OUTDOOR DOME
Model	<p>EXIR 2.0</p>  <p>* Powered by DarkFighter.</p>	<p>Powered by DarkFighter.</p> <p>EXIR 2.0</p> 	<p>Powered by DarkFighter.</p> <p>EXIR 2.0</p> <p>HDMI</p> 	<p>Powered by DarkFighter.</p> <p>EXIR 2.0</p> 	<p>Powered by DarkFighter.</p> 
Megapixels	<p>DS-2CD2525FWD-IS* DS-2CD2545FWD-IS* DS-2CD2555FWD-IS</p> <p>2/4/5 MP</p>	<p>DS-2CD2125FHDW-IS DS-2CD2145FWD-IS DS-2CD2165G0-IS DS-2CD2185FWD-IS DS-2CD2185FWD-IB (black)</p> <p>2/4/6/8 MP</p>	<p>DS-2CD2125G0-IMS DS-2CD2185G0-IMS</p> <p>2/8 MP</p>	<p>DS-2CD2725FWD-IZS NEW DS-2CD2725FHDW-IZS DS-2CD2745FWD-IZS DS-2CD2765G0-IZS DS-2CD2785G0-IZS</p> <p>2/4/6/8 MP</p>	<p>DS-2CD2725F-ZS</p> <p>2 MP</p>
Sensor Size (Progressive Scan CMOS)	<p>2 MP: 1/2.8" 4 MP: 1/2.5" 5 MP: 1/2.9"</p>	<p>2 MP: 1/2.8" 4 MP: 1/2.5" 6 MP: 1/2.4" 8 MP: 1/2.5"</p>	<p>2 MP: 1/2.8" 8 MP: 1/2.5"</p>	<p>2 MP: 1/2.8" 4 MP: 1/2.5" 6 MP: 1/2.4" 8 MP: 1/2"</p>	<p>1/2.8"</p>
Min. Illumination (lux)	<p>2 MP: Color: 0.009 @ f/1.6, 4 MP: Color: 0.014 @ f/1.6, 5 MP: Color: 0.028 @ f/2.0, All: B/W: 0 with IR</p>	<p>2 MP: Color: 0.009 @ f/1.6, 4/6 MP: Color: 0.014 @ f/1.6, 8 MP: Color: 0.028 @ f/2.0, All: B/W: 0 with IR</p>	<p>2 MP: Color: 0.009 @ f/1.6, 8 MP: Color: 0.028 @ f/2.0</p>	<p>2 MP: Color: 0.0068 @ f/1.4, 4/6/8 MP: Color: 0.011 @ f/1.4, All: B/W: 0 with IR</p>	<p>Color: 0.014 @ f/1.4</p>
Lens, Field of View (HxV)	<p>2 MP: 2.8 mm H: 108°, V: 59° 4 mm: H: 87°, V: 45° 6 mm: H: 53°, V: 29°</p> <p>4 MP: 2.8mm: H: 109°, V: 60°, 4mm: H: 88°, V: 46° 6mm: H: 53°, V: 30°</p> <p>5 MP: 2.8 mm: H: 97°, V: 54° 4 mm: H: 78°, V: 42° 6 mm: H: 60°, V: 33°</p>	<p>2 MP: 2.8 mm(108°), 4 mm(86.4°), 6 mm(52°), 8 mm(41°) 4 MP: 2.8 mm(109°), 4 mm(88°), 6 mm(53°) 6 MP: 2.8 mm(99°), 4 mm(80°), 6 mm(60°) 8 MP: 2.8 mm(102°), 4 mm(79°), 6 mm(50°), 8 mm(40°)</p>	<p>2 MP: 2.8 mm: H: 108°, V: 58° 4 mm: H: 86°, V: 46° 6 mm: H: 52°, V: 29°</p> <p>8 MP: 2.8 mm, H: 102°, V: 53° 4 mm, H: 79°, V: 42° 6 mm, H: 50°, V: 28°</p>	<p>2.8 to 12 mm @ f/1.4, motorized, autofocus</p> <p>2 MP: H: 105° to 35°, V: 56° to 20° 4 MP: H: 114° to 32°, V: 59° to 18° 6 MP: H: 114° to 34°, V: 71° to 23° 8 MP: H: 112° to 46°, V: 60° to 26°</p>	<p>6 to 22 mm</p> <p>H: 44° to 25.8° V: 24.2° to 14.5°</p>
Day/Night, BLC, WDR	True, Yes, 120 dB	True, Yes, 120 dB	True, Yes, 120 dB	True, Yes, 120 dB	True, Yes, 120 dB
IR Range Max (meters)	10	30	30	30	—
Video Compression	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG
Max. Image Resolution (pixels) and Frame Rate	<p>2 MP: 1920x1080, 30 4 MP: 2688x1520, 30 5 MP: 2944x1656, 20</p>	<p>2 MP: 1920x1080, 60 4 MP: 2688x1520, 30 6 MP: 3072x2048, 20 8 MP: 3840x2160, 20</p>	<p>2 MP: 1920x1080, 60 8 MP: 3840x2160, 20</p>	<p>2 MP/-FHWD: 1920x1080, 60 2 MP/-FWD: 1920x1080, 30 4 MP: 2688x1520, 30 6 MP: 3072x2048, 20 8 MP: 3840x2160, 20</p>	<p>1920x1080, 30</p>
Audio Input/Output	IN: 1 line/Mic OUT: 1 line	IN: 1 line OUT: 1 line	IN: 1 line OUT: 1 line	IN: 1 line OUT: 1 line	IN: 1 line OUT: 1 line
Alarm Input/Output	1/1	1/1	1/1	1/1	1/1
Ratings	IP66, IK8, UL/cUL Listed	IP67, IK10, UL/cUL Listed	UL/cUL Listed	IP66, IK10, UL/cUL Listed	IP67, IK10, UL/cUL Listed
Operating Temperature Range	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)	-10° C to 40° C (14° F to 104° F)	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)
Power Requirements (max.)	<p>2/5 MP: 12 VDC, PoE (802.3af), 9.5 W 4 MP: 12 VDC, PoE (802.3af), 10 W</p>	<p>2 MP: 12V DC, PoE (802.3af), 6.5 W 4 MP: 12V DC, PoE (802.3af), 7.5 W 6 MP: 12V DC, PoE (802.3af), 7.5 W 8 MP: 12V DC, PoE (802.3af), 9 W</p>	<p>12V DC, PoE (802.3af), 8.5 W</p>	<p>2 MP: 12V DC, PoE (802.3af), 11 W 4/6/8 MP: 12V DC, PoE (802.3af), 12.5 W</p>	<p>24V AC ± 10%, Φ5.5 mm coaxial power plug; PoE (802.3af), 8.5 W</p>
Brackets	WMS, PC120, CPM, CM, PM, CBD-MINI	CPM, CPME, WMS(B), WML(B), SRS(B), PC110(B), CB110(B), AB110(B), WM110(B)	PC120, WMS, CPM, CM, PM	WML PC155 CPM CM1 PM1 RCM-5	RCM-G, Fits in DF-5 housing

Complies with ONVIF (Profile S and G), CGI ISAPI. Contact for factory details. See data sheet for supported analytics.



NETWORK CAMERAS - VALUE SERIES

	OUTDOOR BULLET	OUTDOOR VF BULLET	OUTDOOR MINI DOME	WI-FI COMPACT DOME	INDOOR DOME
Model	EXIR 2.0 	EXIR 2.0 	EXIR 2.0 	EXIR 2.0 	EXIR 2.0 
	DS-2CD2023G0-I DS-2CD2043G0-I DS-2CD2043G0-IB (black) NEW DS-2CD2063G0-I DS-2CD2083G0-I	DS-2CD2623G1-IZS DS-2CD2643G1-IZS DS-2CD2663G1-IZS DS-2CD2683G1-IZS	DS-2CD2523G0-IS DS-2CD2543G0-IS DS-2CD2543G0-ISB (black) DS-2CD2563G0-IS	DS-2CD2523G0-IWS DS-2CD2543G0-IWS	DS-2CD2123G0-I DS-2CD2143G0-I DS-2CD2143G0-IB (black) DS-2CD2163G0-I DS-2CD2183G0-I DS-2CD2183G0-IB (black) NEW
Megapixels	2/4/6/8 MP	2/4/6/8 MP	2/4/6 MP	2/4	2/4/6/8 MP
Sensor Size (Progressive Scan CMOS)	2 MP: 1/2.8" 4 MP: 1/3" 6 MP: 1/2.9" 8 MP: 1/2.5"	2 MP: 1/2.8" 4 MP: 1/3" 6 MP: 1/2.9" 8 MP: 1/2.5"	2 MP: 1/2.7" 4 MP: 1/3" 6 MP: 1/2.9"	2 MP: 1/2.7" 4 MP: 1/3"	2 MP: 1/2.8" 4 MP: 1/3" 6 MP: 1/2.9" 8 MP: 1/2.5"
Min. Illumination (lux)	2 MP: Color: 0.028 @ f/2.0, 4 MP: Color: 0.018 @ f/1.6, 6 MP: Color: 0.028 @ f/2.0, 8 MP: Color: 0.028 @ f/2.0	2/4/6/8 MP: Color: 0.018 @ f/1.6 B/W: 0 with IR	2 MP: Color: 0.028 @ f/2.0, 4 MP: Color: 0.018 @ f/1.6, 6 MP: Color: 0.028 @ f/2.0, B/W: 0 with IR	2 MP: Color: 0.028 @ f/2.0, 4 MP: Color: 0.018 @ f/1.6, B/W: 0 with IR	2 MP: Color: 0.028 @ f/2.0, 4 MP: Color: 0.018 @ f/1.6, 6 MP: Color: 0.028 @ f/1.6, 8 MP: Color: 0.028 @ f/2.0, B/W: 0 with IR
Lens, Field of View (HxV)	2 MP: 2.8 mm: H 103°, V 59° 4 mm: H 86°, V 46° 4 MP: 2.8 mm: H 103°, V 58° 4 mm: H 83°, V 45° 6 MP: 2.8 mm: H 97°, V 63° 4 mm: H 78°, V 50° 8 MP: 2.8 mm: H 102°, V 53° 4 mm: H 79°, V 42°	2.8 to 12 mm @ f/1.4, motorized, autofocus 2 MP: H 110° to 31° V 58° to 18° 4 MP: H 104° to 29° V 55° to 17° 6 MP: H 88° to 27° V 56° to 18° 8 MP: H 105° to 34.5° V 55° to 19°	2 MP: 2.8 mm: H 114°, V 62° 4 mm: H 86°, V 46° 4 MP: 2.8 mm: H 98°, V 55° 4 mm: H 78°, V 42° 6 MP: 2.8 mm: H 97°, V 67° 4 mm: H 78°, V 53°	2 MP: 2.8 mm: H 114°, V 62° 4 mm: H 86°, V 46° 4 MP: 2.8 mm: H 98°, V 55° 4 mm: H 78°, V 42°	2/4/6 MP: Fixed, 2.8 mm, 4 mm 8 MP: Fixed, 2.8 mm 2 MP: 2.8 mm: H 114°, V 62° 4 mm: H 86°, V 46° 4 MP: 2.8 mm: H 103°, V 58° 4 mm: H 83°, V 45° 6 MP: 2.8 mm: H 97°, V 63° 4 mm: H 78°, V 50° 8 MP: 2.8 mm: H 102°, V 53°
IR Range Max (meters)	30	50	30	True/Yes/120dB	30
Day/Night, BLC, WDR	True, Yes, 120 dB	True, Yes, 120 dB	True, Yes, 120 dB	True, Yes, 120 dB	True, Yes, 120 dB
Video Compression	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG
Max. Image Resolution (pixels) and Frame Rate	2 MP: 1920x1080, 30 4 MP: 2688x1250, 30 6 MP: 3072x2048, 20 8 MP: 3840x2160, 15	2 MP: 1920x1080, 30 4 MP: 2688x1250, 30 6 MP: 3072x2048, 30 8 MP: 3840x2160, 15	2 MP: 1920x1080, 30 4 MP: 2688x1520, 30 6 MP: 3072x2048, 20	2 MP: 1920x1080, 30 4 MP: 2688x1250, 30	2 MP: 1920x1080, 30 4 MP: 2688x1250, 30 6 MP: 3072x2048, 30 8 MP: 3840x2160, 15
Audio Input/Output	---	IN: 1 line OUT: 1 line	In: Mic & 1 line Out: 1 line	In: Mic & 1 line Out: 1 line	---
Alarm Input/Output	---	---	1/1	1/1	---
Ratings	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP66, IK8, UL/cUL Listed	IP66, IK8, UL/cUL Listed	IP67, IK10, UL/cUL Listed
Operating Temperature Range	-30° C to 50° C (-22° F to 122° F)	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)	-30° C to +60° C (-22° F to +140° F)	-30° C to 60° C (-22° F to 140° F)
Power Requirements (max.)	12V DC, PoE (802.3af), 7.5 W	12V DC, PoE (802.3at), 18 W	12V DC, PoE (802.3af), 10 W	12V DC, PoE (802.3af), 10 W	2/4MP: 12 VDC, PoE (802.3af), 7.5 W 6/8MP: 12 VDC, PoE (802.3af), 9 W
Brackets	CBXS(B)	CBS, CB130, CM, PM	WMS(B), PC120(B), CPM, CM, PM, CBD-MINI(B)	WMS(B), PC120(B), CPM, CM, PM, CBD-MINI(B)	CPM, CPME, WMS(B), WML(B), SRS(B), PC110(B), CB110(B), AB110(B), WM110(B)

Complies with ONVIF (Profile S and G), CGI ISAPI. Contact for factory details.
See data sheet for supported analytics.



NETWORK CAMERAS - VALUE SERIES

	OUTDOOR VF DOME	OUTDOOR TURRET	INDOOR PINHOLE	INDOOR COVERT	DOORBELL CAMERA
Model	EXIR 2.0 	EXIR 2.0 			 NEW
	DS-2CD2723G1-IZS DS-2CD2743G1-IZS DS-2CD2743G1-IZSB (black) NEW DS-2CD2763G1-IZS DS-2CD2783G1-IZS DS-2CD2783G1-IZSB (black) NEW	DS-2CD2323G0-I DS-2CD2343G0-I DS-2CD2343G0-IB (black) DS-2CD2363G0-I DS-2CD2383G0-I DS-2CD2383G0-IB (black) NEW	DS-2CD2D21G0-D/NF	DS-2CD2D21G0/M-D/NF	DS-HD1
Megapixels	2/4/6/8 MP	2/4/6/8 MP	2 MP	2 MP	3 MP
Sensor Size (Progressive Scan CMOS)	2 MP: 1/2.8" 4 MP: 1/3" 6 MP: 1/2.9" 8 MP: 1/2.5"	2 MP: 1/2.8" 4 MP: 1/3" 6 MP: 1/2.9" 8 MP: 1/2.5"	1/2.7"	1/2.7"	1/2.8" starlight sensor
Min. Illumination (lux)	2/4/6/8 MP: Color: 0.018 @ f/1.6, B/W: 0 with IR	2 MP: Color: 0.028 @ f/2.0, 4/6 MP: Color: 0.018 @ f/1.6, 8 MP: Color: 0.028 @ f/2.0, B/W: 0 with IR	Color: 0.025 @ f/1.2	Color: 0.025 @ f/1.2	---
Lens, Field of View (HxV)	2.8 to 12 mm @ f/1.6, motorized, autofocus 2 MP: H 110° to 31°, V 58° to 18° 4 MP: H 104° to 29°, V 55° to 17° 6 MP: H 88° to 27°, V 56° to 18° 8 MP: H 105° to 34.5°, V 55° to 19°	2/4/6 MP: Fixed, 2.8 mm, 4 mm 8 MP: Fixed, 2.8 mm 2 MP: 2.8 mm: H 114°, V 62° 4 mm: H 86°, V 46° 4 MP: 2.8 mm: H 103°, V 58° 4 mm: H 83°, V 45° 6 MP: 2.8 mm: H 97°, V 63° 4 mm: H 78°, V 50° 8 MP: 2.8 mm: H 102°, V 53° 4 mm: H 79°, V 42°	Pinhole, 3.7 mm @ f/1.2/ 78° H 78°, V 43°	2.8 mm @ f/1.2 or 4.0 mm @ f/1.2 / 114° (2.8 mm), 86° (4.0 mm) 2.8 mm: H 114°, V 62° 4 mm: H 86°, V 46°	2.2 mm @ f/2.4 H 105°, V 180°
IR Range Max (meters)	30	30	---	---	5
Day/Night, BLC, WDR	True, Yes, 120 dB	True, Yes, 120 dB	Electronic, No, 120 dB	Electronic, No, 120 dB	Yes, Yes, Digital
Video Compression	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265/H.264/MJPEG	H.265/H.264/MJPEG	H.264
Max. Image Resolution (pixels) and Frame Rate	2 MP: 1920x1080, 30 4 MP: 2688x1250, 30 6 MP: 3072x2048, 30 8 MP: 3840x2160, 15	2 MP: 1920x1080, 30 4 MP: 2688x1250, 30 6 MP: 3072x2048, 30 8 MP: 3840x2160, 15	1920x1080	1920x1080	2048x1536, 30
Audio Input/Output	---	---	---	---	Built-in omnidirectional microphone/ Built-in loud speaker
Alarm Input/Output	---	---	---	---	Customized alert area, PIR sensor
Ratings	IP67, IK10, UL/cUL Listed	IP67, UL/cUL Listed	UL/cUL Listed	UL/cUL Listed	IP65
Operating Temperature Range	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)	-22° F to 140° F (-30° C to 60° C)
Power Requirements (max.)	12V DC, PoE (802.3at), 12 W	2/4/6 MP: 12V DC, PoE (802.3af), 7.5 W 8 MP: 12V DC, PoE (802.3af), 8 W	12V DC, 3 W	12V DC, 3 W	16 to 24 VAC, 5 W
Brackets	WML(B), PC155(B), CPM, CM1, PM1, CB155(B), RCM-DM44	WML(B), PC130T(B), CM, PM, CB130T(B), CBM(B), ABM(B), CPM	Included	Included	Includes flat and angled mounting plates

Complies with ONVIF (Profile S and G), CGI ISAPI. Contact for factory details.
See data sheet for supported analytics.

NETWORK PTZ CAMERAS - VALUE SERIES

	WIFI INDOOR IR PTZ	INDOOR IR PTZ			INDOOR/OUTDOOR PTZ	INDOOR/OUTDOOR IR PTZ
Model						
	DS-2DE2204IW-DE3/W	DS-2DE2204IW-DE3	DS-2DE2A204IW-DE3	DS-2DE2A404IW-DE3	DS-2DE3304W-DE	DS-2DY3220IW-DE
Megapixels	2 MP	2 MP	2 MP	4 MP	3 MP	2 MP
Sensor Size (Progressive Scan CMOS)	1/2.8"	1/2.8"	1/3"	1/3"	1/2.8"	1/2.8"
Min. Illumination (lux)	Color: 0.05 @ f/2.0 B/W: 0 with IR	Color: 0.05 @ f/2.0 B/W: 0 with IR	Color: 0.005 @ f/1.6 B/W: 0 with IR	Color: 0.005 @ f/1.6 B/W: 0 with IR	Color: 0.05 @ f/1.6 B/W: 0.01 @ f/1.6	Color: 0.05 @ f/1.6 B/W: 0 with IR
Lens, Field of View (HxV)	2.8 to 12 mm, 100°×56.3° to 25°×14.1°	2.8 to 12 mm, 100°×56.3° to 25°×14.1°	2.8 to 12 mm, 96.7°×51.1° to 31.6°×17.7°	2.8, to 12 mm, 96.7°×51.1° to 31.6°×17.7°	2.8 to 12 mm, 105° to 33.5°	4.7 to 94 mm, 61.4° to 2.9°
Zoom (Optical/Digital)	4x/16x, motorized zoom, autofocus	4x/---, motorized zoom, autofocus	4x/16x, motorized zoom, autofocus	4x/16x, motorized zoom, autofocus	4x/16x, motorized zoom, autofocus	20x/16x, motorized zoom, autofocus
Pan Range	0° to 350°	0° to 350°	0° to 355°	0° to 355°	0° to 350°	360° endless
Tilt Range	0° to 90°	0° to 90°	0° to 90°	0° to 90°	0 to 90°	-40° to 30°
Manual Pan/Tilt Speed (°/s)	0.1 to 60 / 0.1 to 50	0.1 to 60 / 0.1 to 50	0.1 to 100 / 0.1 to 100	0.1 to 100 / 0.1 to 100	0.1 to 60 / 0.1 to 50	0.1 to 50 / 0.1 to 25
Preset Pan/Tilt Speed (°/s)	60 / 50	60 / 50	100 / 100	100 / 100	30 / 25	50 / 25
Day/Night	True	True	True	True	True	True
Image Enhancement	DWDR, AGC, AWB, DNR, BLC	DWDR, AGC, AWB, DNR, BLC	120 dB WDR, AGC, AWB, DNR, BLC	120 dB WDR, AGC, AWB, DNR, BLC	DWDR, AGC, AWB, 3D DNR, HLC, BLC, Defog	DWDR, AGC, AWB, 3D DNR, HLC, BLC, Defog
IR Range Max (meters)	20	20	20	20	---	100
3D Positioning	---	Yes	---	---	Yes	Yes
Video Compression	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264
Max. Image Resolution (pixels) and Frame Rate	1920x1080, 30	1920x1080, 30	1920x1080, 30	2560x1440, 24	2560x1440, 60	1920x1080, 60
Ratings	UL/cUL Listed	UL/cUL Listed	IP66, IK10, UL/cUL Listed	IP66, UL/cUL Listed	IP67, IK10, UL/cUL Listed	IP66, UL/cUL Listed
Operating Temperature Range	-10° C to 50° C (14° F to 122° F)	-10° C to 50° C (14° F to 122° F)	-20° C to 60° C (-4° F to 140° F)	-20° C to 60° C (-4° F to 140° F)	-30° C to 65° C (-22° F to 149° F)	-30° C to 65° C (-22° F to 149° F)
Power Requirements (max.)	12V DC, PoE (802.3af), 9 W	12V DC, PoE (802.3af), 9 W	12V DC, PoE (802.3af), 11.2 W	12V DC, PoE (802.3af), 11.2 W	12V DC, PoE (802.3af), 8 W	12V DC, PoE+ (802.3at), 19 W
Brackets	PP1, PP2, WM-C	PP1, PP2, WM-C	PP1, PP2, WMP-MPZ	PP1, PP2, WMP-MPZ	PC140PT, RPM, WMS, WML, PM, CM, RCM-4, PC140PT, CPM, CPME, CB140PT	Wall Mount Included

Complies with ONVIF (Profile S and G), CGI ISAPI. Contact for factory details.
See data sheet for supported analytics.

Smart Tracking: Auto-tracking of objects that trigger VCA Smart Events, trigger motion, or are manually selected.



NETWORK PTZ CAMERAS - VALUE SERIES

	INDOOR/OUTDOOR IR PTZ			INDOOR PTZ		INDOOR/OUTDOOR PTZ
Model		DarkFighter. Smart Tracking 	Powered by DarkFighter. Smart Tracking 	Powered by DarkFighter. 	Powered by DarkFighter. 	
	DS-2DY3220IW-DE4	DS-2DE4A204IW-DE DS-2DE4A404IW-DE	DS-2DE4A225IW-DE DS-2DE4A425IW-DE	DS-2DE4225W-DE3	DS-2DE4225W-DE	
Megapixels	2 MP	2/4 MP	2/4 MP	2 MP	2 MP	
Sensor Size (Progressive Scan CMOS)	1/2.8"	1/1.9"	1/2.8"	1/2.8"	1/2.8"	
Min. Illumination (lux)	Color: 0.05 @ f/1.6 B/W: 0 with IR	Color: 0.002 @ f/1.6 B/W: 0 with IR	Color: 0.005 @ f/1.6 B/W: 0 with IR	Color: 0.005 @ f/1.6 B/W: 0.001 @ f/1.6	Color: 0.005 @ f/1.6 B/W: 0.001 @ f/1.6	
Lens, Field of View (HxV)	4.7 to 94 mm, 61.4° to 2.9°	2.8 to 12 mm, 90.1° to 31°	4.8 to 120 mm, 57.6°x34.4° to 2.5°x1.4°	4.8 to 120 mm, 57.6°x34.4° to 2.5°x1.4°	4.8 to 120 mm, 57.6°x34.4° to 2.5°x1.4°	
Zoom (Optical/Digital)	20x/16x	4x/16x	25x/16x	25x/16x	25x/16x	
Pan Range	360° endless	360° endless	360° endless	360° endless	360° endless	
Tilt Range	-40° to 30°	-5° to 90°	-5° to 90°	0° to 90°	0° to 90° (auto-flip)	
Manual Pan/Tilt Speed (°/s)	0.1 to 50 / 0.1 to 25	0.1 to 300 / 0.1 to 160	0.1 to 300 / 0.1 to 160	0.1 to 160 / 0.1 to 120	0.1 to 160 / 0.1 to 120	
Preset Pan/Tilt Speed (°/s)	50 / 25	350 / 200	350 / 200	160 / 120	160 / 120	
Day/Night	True	True	True	True	True	
Image Enhancement	DWDR, AGC, AWB, 3D DNR, HLC, BLC, Defog	3D DNR, BLC, WDR, HLC	120 dB WDR, HLC, BLC, 3D DNR, Defog, EIS, Regional Exposure, Regional Focus	120 dB WDR, HLC, BLC, 3D DNR, Defog, EIS, Region- al Exposure, Regional Focus	120 dB WDR, HLC, BLC, 3D DNR, Defog, EIS, Regional Exposure, Regional Focus	
IR Range Max (meters)	100	50	50	---	---	
3D Positioning	Yes	Yes	Yes	Yes	Yes	
Video Compression	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264	
Max. Image Resolution (pixels) and Frame Rate	1920x1080, 60	2 MP: 1920x1080, 60 4 MP: 2560x1440, 30	2 MP: 1920x1080, 60 4 MP: 2560x1440, 30	1920x1080, 30	1920x1080, 30	
Ratings	IP66, UL/cUL Listed	IP66, UL/cUL Listed	IP66, UL/cUL Listed	UL/cUL Listed	IP66, UL/cUL Listed	
Operating Temperature Range	-30° C to 65° C (-22° F to 149° F)	-30° C to 65° C (-22° F to 149° F)	-30° C to 65° C (-22° F to 149° F)	-10° C to 50° C (14° F to 122° F)	-30° C to 65° C (-22° F to 149° F)	
Power Requirements (max.)	12V DC, PoE (802.3at), 19 W	12V DC, PoE+ (802.3at), 18 W	12V DC, PoE (802.3at), 23 W	12V DC, PoE+ (802.3at), 18 W	12V DC, PoE+ (802.3at), 18 W	
Brackets	Pedestal Mount Included	PC-DE4A, RPM, WML, PM, CM, RCM-DE4A, CPM, CPME, CB-DE4A	PC-DE4A, RPM, WML, PM, CM, RCM-DE4A, CPM, CPME, CB-DE4A	Ceiling Recess/Flush Mount Included	RPM, WMP-L, CMP, PMP, JBPW-L, CMP-JB, PMP-JB, CPM-S, CPM-L, CPME	

Complies with ONVIF (Profile S and G), CGI ISAPI. Contact for factory details.

See data sheet for supported analytics.

Smart Tracking: Auto-tracking of objects that trigger VCA Smart Events, trigger motion, or are manually selected.

NETWORK PTZ CAMERAS - VALUE SERIES

INDOOR/OUTDOOR IR PTZ				
Model	Powered by DarkFighter. 	Powered by DarkFighter. Smart Tracking 	Powered by DarkFighter. Smart Tracking 	* Powered by DarkFighter. *Smart Tracking 
	DS-2DE5225IW-AE	DS-2DE5330W-AE	DS-2DE5232W-AE	DS-2DE7230IW-AE DS-2DE7330IW-AE DS-2DE7430IW-AE* DS-2DE7530IW-AE*
Megapixels	2 MP	3 MP	2 MP	2/3/4/5 MP
Sensor Size (Progressive Scan CMOS)	1/2.8"	1/2.8"	1/2.8"	2/3 MP: 1/2.8" 4/5 MP: 1/1.9"
Min. Illumination (lux)	Color: 0.005 @ f/1.6 B/W: 0 with IR	Color: 0.005 @ f/1.6 B/W: 0.01 @ f/1.6	Color: 0.005 @ f/1.6 B/W: 0.001 @ f/1.6	2 MP: Color: 0.05 @ f/1.6 3 MP: Color: 0.05 @ f/1.5 4/5 MP: Color: 0.005 @ f/1.6 All: B/W: 0 with IR
Lens, Field of View (HxV)	4.8 to 120 mm, 57.6°×34.4° to 2.5°×1.4°	4.5 to 135 mm, 57.2°×44.4° to 2.2°×1.6°	4.8 to 153 mm, 55.6°×32.4° to 2.04°×1.14°	2 MP: 4.3 to 129 mm, 65.5° to 2.11° 3 MP: 4.5 to 135 mm, 57.2° to 2.2° 4 MP: 5.9 to 177 mm, 48.8° to 2.3° 5 MP: 5.9 to 177 mm, 51.3° to 2.7°
Zoom (Optical/Digital)	25x/16x, motorized zoom, autofocus	30x/16x, motorized zoom, autofocus	32x/16x, motorized zoom, autofocus	30x/16x, motorized zoom, autofocus
Pan Range	360° endless	360° endless	360° endless	360° endless
Tilt Range	-15° to 90° (auto flip)	-5° to 90°	-5° to 90°	-15° to 90°
Manual Pan/Tilt Speed (°/s)	0.1 to 120 / 0.1 to 80	0.1 to 250 / 0.1 to 150	0.1 to 250 / 0.1 to 150	0.1 to 160 / 0.1 to 120
Preset Pan/Tilt Speed (°/s)	120 / 80	300 / 200	300 / 200	240 / 200
Day/Night	True	True	True	True
Image Enhancement	120 dB WDR, HLC, BLC, 3D DNR, Defog, EIS, Regional Exposure, Regional Focus	DWDR, AGC, AWB, 3D DNR, HLC, BLC, Defog	120 dB WDR, HLC, BLC, 3D DNR, Defog, EIS, Regional Exposure, Regional Focus	DWDR, AGC, AWB, 3D DNR, HLC, BLC, Defog
IR Range Max (meters)	150	---	---	150
3D Positioning	Yes	Yes	Yes	Yes
Video Compression	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264
Max. Image Resolution (pixels) and Frame Rate	1920x1080, 30	2048x1536, 30	1920x1080, 60	2 MP: 1920x1080, 30 3 MP: 2048x1536, 30 4 MP: 2560x1440, 30 5 MP: 2592x1944, 30
Ratings	IP66, UL/cUL Listed	IP66, IK10, UL/cUL Listed	IP66, IK10, UL/cUL Listed	IP66, UL/cUL Listed
Operating Temperature Range	-30° C to 65° C (-22° F to 149° F)	-30° C to 65° C (-22° F to 149° F)	-30° C to 65° C (-22° F to 149° F)	-30° C to 65° C (-22° F to 149° F)
Power Requirements (max.)	24V AC, Hi-PoE, 30 W, PoE Injector Included	24V AC, PoE+ (802.3at), 22 W, PoE+ Injector Included	24V AC, PoE+, 22 W, PoE+ Injector Included	24V AC, Hi-PoE, 40 W, Hi-PoE Injector Included
Brackets	RPM, WMP-L, CMP, PMP, JBPW-L, CMP-JB, PMP-JB, CPM-S, CPM-L, CPMPE	RPM, WMP-L, CMP, PMP, JBPW-L, CMP-JB, PMP-JB, CPM-S, CPM-L, CPMPE	RPM, WMP-L, CMP, PMP, JBPW-L, CMP-JB, PMP-JB, CPM-S, CPM-L, CPMPE	RPM, WMP-L, CMP, PMP, JBPW-L, CMP-JB, PMP-JB, CPM-S, CPM-L, CPMPE

Complies with ONVIF (Profile S and G), CGI ISAPI. Contact for factory details.
See data sheet for supported analytics.





4 MP Outdoor EXIR 2.0 Bullet Camera
ECI-B64Z2

Value Express IP Cameras

Designed and built for projects that are budget-conscious and require excellent performance, our new Value Express product family delivers upgraded H.265+ video compression technology. This range of IP and TurboHD products offer all camera housing models including dome, bullet, turret, varifocal and PTZ for diverse applications. From order to installation, this family of products offers quick cost planning, is easy to order, and provides a simplified installation process.

FEATURES

- Perfect for DIY applications and budget-minded customers.
- Solid metal construction for durability and varied environmental conditions.
- EXIR 2.0 (EXTended InfraRed) technology for excellent nighttime performance.
- Multiple form factors, including Indoor/Outdoor Dome, Turret, Bullet and PTZs.
- Available in 2 MP or 4 MP with fixed or motorized zoom lenses.

APPLICATION EXAMPLES



Residential



Small Business



Restaurant/Café

NETWORK CAMERAS - VALUE EXPRESS SERIES

	OUTDOOR BULLET	OUTDOOR DOME	OUTDOOR TURRET	OUTDOOR VF DOME	OUTDOOR VF BULLET
Model	EXIR 2.0 	EXIR 2.0 	EXIR 2.0 	EXIR 2.0 	EXIR 2.0 
	ECI-B12F ECI-B14F	ECI-D12F ECI-D14F	ECI-T22F ECI-T24F	ECI-D62Z2 ECI-D64Z2	ECI-B62Z2 ECI-B64Z2
Megapixels	2/4 MP	2/4 MP	2/4 MP	2/4 MP	2/4 MP
Sensor Size (Progressive Scan CMOS)	2 MP: 1/2.8" 4 MP: 1/3"	2 MP: 1/2.8" 4 MP: 1/3"	2 MP: 1/2.8" 4 MP: 1/3"	2 MP: 1/2.8" 4 MP: 1/3"	2 MP: 1/2.8" 4 MP: 1/3"
Min. Illumination (lux)	Color: 0.028 @ f/2.0 B/W: 0 with IR	Color: 0.028 @ f/2.0 B/W: 0 with IR	Color: 0.028 @ f/2.0 B/W: 0 with IR	Color: 0.018 @ f/1.6 B/W: 0 with IR	Color: 0.018 @ f/1.6 B/W: 0 with IR
Lens, Field of View (HxV)	2 MP: 2.8 mm: H 103°, V 59° 4 mm: H 86°, V 46° 4 MP: 2.8 mm: H 100°, V 55° 4 mm: H 77°, V 42°	2 MP: 2.8 mm: H 114°, V 62° 4 mm: H 86°, V 46° 4 MP: 2.8 mm: H 100°, V 55° 4 mm: H 77°, V 42°	2 MP: 2.8 mm: H 114.5°, V 62° 4 mm: H 86°, V 46° 4 MP: 2.8 mm: H 100°, V 55° 4 mm: H 77°, V 42°	2.8 to 12 mm @ f/1.6, motorized 2 MP: H 98° to 34°, V 52° to 19° 4 MP: H 98° to 28°, V 51° to 16°	2.8 to 12 mm @ f/1.6, motorized 2 MP: H 98° to 34°, V 52° to 19° 4 MP: H 98° to 28°, V 51° to 16°
IR Range Max (meters)	30	30	30	30	30
Day/Night, BLC, WDR	2 MP: True, Yes, Digital 4 MP: True, Yes, 120 dB	2 MP: True, Yes, Digital 4 MP: True, Yes, 120 dB	2 MP: True, Yes, Digital 4 MP: True, Yes, 120 dB	2 MP: True, Yes, Digital 4 MP: True, Yes, 120 dB	2 MP: True, Yes, Digital 4 MP: True, Yes, 120 dB
Video Compression	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG
Max. Image Resolution (pixels) and Frame Rate	2 MP: 1920x1080, 30 4 MP: 2560x1440, 20	2 MP: 1920x1080, 30 4 MP: 2560x1440, 20	2 MP: 1920x1080, 30 4 MP: 2560x1440, 20	2 MP: 1920x1080, 30 4 MP: 2560x1440, 20	2 MP: 1920x1080, 30 4 MP: 2560x1440, 20
Audio Input/Output	---	---	---	---	---
Alarm Input/Output	---	---	---	---	---
Ratings	IP67, UL/cUL Listed	IP67, IK10, UL/cUL Listed	IP67, UL/cUL Listed	IP67, IK10, UL/cUL Listed	IP67, IK10, UL/cUL Listed
Operating Temperature Range	-30° C to 50° C (-22° F to 122° F)	-30° C to 50° C (-22° F to 122° F)	-30° C to 50° C (-22° F to 122° F)	-30° C to 50° C (-22° F to 122° F)	-30° C to 50° C (-22° F to 122° F)
Power Requirements (max.)	12 VDC, PoE (802.3af), 7 W	12 VDC, PoE (802.3af), 7 W	12V DC, PoE (802.3af), 6.5 W	12V DC, PoE (802.3af), 12 W	12V DC, PoE (802.3af), 12.9 W
Brackets	CBXS	CB110, AB110, CPM, CM, PC110, WMS, WM110, SRS, SRSM	WML, PC130T, CM, PM, CB130T, CBM, ABM, CPM	CB135, AB135, PC135, WML, CPM, CM, PM, RCM-1(requires 190310441)	CB130

Complies with ONVIF (Profile S and G), CGI ISAPI. Contact for factory details.
See data sheet for supported analytics.



NETWORK PTZ CAMERAS - VALUE EXPRESS SERIES

	INDOOR PTZ	OUTDOOR PTZ		
Model				
	EPI-4215-DE3	EPI-4215I-DE	EPI-4225I-DE	EPI-5225I-AE
Megapixels	2 MP	2 MP	2 MP	2 MP
Sensor Size (Progressive Scan CMOS)	1/2.8"	1/2.8"	1/2.8"	1/2.8"
Min. Illumination (lux)	Color: 0.005 @ f/1.6 B/W: 0.001 @ f/1.6	Color: 0.005 @ f/1.6 B/W: 0 with IR	Color: 0.005 @ f/1.6 B/W: 0 with IR	Color: 0.005 @ f/1.6 B/W: 0 with IR
Lens, Field of View (HxV)	5 to 75 mm, 53.8°×31.9° to 4.0°×2.3°	5 to 75 mm, 53.8°×31.9° to 4.0°×2.3°	4.8 to 120 mm, 57.6°×34.4° to 2.5°×1.4°	4.8 to 120 mm, 57.6°×34.4° to 2.5°×1.4°
Zoom (Optical/Digital)	15x	15x	25x	25x
Pan Range	360° endless	360° endless	360° endless	360° endless
Tilt Range	0° to 90° (Auto-flip)	-15° to 90° (auto-flip)	-15° to 90°	-15° to 90° (auto-flip)
Manual Pan/Tilt Speed (°/s)	0.1 to 100 / 0.1 to 80	0.1 to 80 / 0.1 to 80	0.1 to 80 / 0.1 to 80	0.1 to 120 / 0.1 to 80
Preset Pan/Tilt Speed (°/s)	100 / 80	80 / 80	80 / 80	120 / 80
Image Enhancement	HLC/BLC/3D DNR/Defog/ EIS/Regional Exposure/Regional Focus	HLC/BLC/3D DNR/Defog/ EIS/Regional Exposure/Regional Focus	HLC/BLC/3D DNR/Defog/ EIS/Regional Exposure/Regional Focus	HLC/BLC/3D DNR/Defog/ EIS/Regional Exposure/Regional Focus
IR Range Max (meters)	---	100	100	150
Video Compression	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG
Max. Image Resolution (pixels) and Frame Rate	1920×1080, 30	1920×1080, 30	1920×1080, 30	1920×1080, 30
Ratings	UL/cUL Listed	IP66, UL/cUL Listed	IP66, UL/cUL Listed	IP66, UL/cUL Listed
Operating Temperature Range	-14° F to 131° F (-10° C to 55° C)	-22° F to 149° F (-30° C to 65° C)	-22° F to 149° F (-30° C to 65° C)	-22° F to 149° F (-30° C to 65° C)
Power Requirements (max.)	12V DC, PoE+, 18 W	12V DC, PoE+, 18 W	12V DC, PoE+, 18 W	24V AC, PoE+, 18 W
Brackets	Ceiling Recess Mount Included	RPM, WMP-L, CMP, PMP, JBPW-L, CMP-JB, PMP-JB, CPM-S, CPM-L, PMP-V, CPMP-E	RPM, WMP-L, CMP, PMP, JBPW-L, CMP-JB, PMP-JB, CPM-S, CPM-L, PMP-V, CPMP-E	RPM, WMP-L, CMP, PMP, JBPW-L, CMP-JB, PMP-JB, CPM-S, CPM-L, PMP-V, CPMP-E

Complies with ONVIF (Profile S), Contact for factory details.
Command Protocols: Hikvision protocol

NETWORK VIDEO RECORDER COMPARISON CHART



Levels	VALUE EXPRESS	VALUE	PERFORMANCE	PROFESSIONAL		
Key Features	<ul style="list-style-type: none"> Independent PoE ports included Matching 2 and 4 MP cameras 	<ul style="list-style-type: none"> Simple installation with Plug and Play feature A step up without stretching the budget Independent PoE ports included 	<ul style="list-style-type: none"> Our most popular NVRs Simple installation with Plug and Play feature A step up without stretching the budget Independent PoE ports included AcuSense (NXI) human and vehicle detection 	<ul style="list-style-type: none"> High performance, fully-loaded project NVRs Enhanced Search functions for improved Forensics HDD RAID configuration capable 	<ul style="list-style-type: none"> Extra capacity for larger project application Enhanced Search functions for improved Forensics HDD RAID configuration capable 	<ul style="list-style-type: none"> Latest technology with algorithms for Facial Recognition and Human and Vehicle Detection Enhanced Search functions for improved Forensics Best when used with DeepinView cameras
Series	ERI Series	76xx Q Series	76xx/77xx I Series 76xx/77xx NXI Series	96xx I8 Series	96xxx Series Super NVR	96xx NXI Series DeepinMind NVR
IP Video Inputs	4/8	4/8/16	8/16/32	16/32/64	32/64/128/256	32
Max Resolution	4 MP	8 MP (4K)	12 MP	12 MP	12 MP	12 MP
Codec	H.265+	H.265+	H.265+	H.265+	H.265+	H.265+
Decoding	2-ch @ 1080p	4-ch @ 1080p	16-ch @ 1080p	16-ch @ 1080p	20-ch @ 1080p	16-ch @ 1080p
Max Incoming Bandwidth (Mbps)	40/60	40/80/160	80/160/256 7732NI-I4/24P: 320	256/320/320 (200 with RAID)	320/512/768/768 (32-ch: 200 with RAID) (64-ch: 400 with RAID)	256
Maximum Outgoing Bandwidth (Mbps)	60	80	256 77xxNXI: 200	256 (200 with RAID)	256/512/512/768 (32-ch: 200 with RAID) (64-ch: 400 with RAID)	200
Network Interfaces	1	1	1 or 2	2	4	2
Internal SATA	1 or 2	1 or 2	2 or 4	8	16 or 24	8
Max HDD size	1, 2 or 4 TB (Pre-installed)	6 TB	12 TB	12 TB	12 TB	12 TB
RAID (0, 1, 5, 6, 10)	---	---	---	✓	✓	✓
PoE	✓	✓	✓	---	---	---



Network Video Recorders

Meeting all bandwidth and storage utilization requirements, the Smart Pro NVRs support recording of up to 12 MP camera resolution, Ultra High Definition (UHD) output up to 4K, up to 288 TB of storage capacity, and H.265+ video compression to increase storage space by 50 to 70 percent.

Our Performance NVRs include the new AcuSense series that filters false alarms and will recognize targets, classifying them as human, vehicle, or other. Hikvision AcuSense works by disregarding movements in nature, such as animals, rain or leaves, while triggering alerts when vehicles or humans are detected. The Quick Target Search feature easily locates the most important recordings, saving time and money when reviewing alarm and event activity.

Our popular Plug and Play NVRs provide easy installation and operation. These Value and Performance NVRs manage bandwidth and storage with the H.265+ video compression technology. They also support recording of up to 12 MP camera resolution, Ultra High Definition (UHD) output up to 4K, and up to 32 TB of storage capacity.



32-Ch AcuSense 4K Network Video Recorder
DS-7732NXI-I4/16P/4S

APPLICATION EXAMPLES



Commercial



Residential



Industrial

FEATURES

- High performance, fully-loaded NVRs from 4- to 256-channel inputs.
- H.265+, Hikvision's latest video compression which minimizes bandwidth.
- 4K Ultra High Definition (UHD) HDMI output and 1080p VGA outputs.
- Storage capacity, from 2 TB to 288 TB, for months of recording with built-in support of RAID 1, 5, 6 and 10 data redundancy storage Network Video Recorders (NVRs).
- Performance and Value Series Plug and Play NVRs ensure easy installation and configuration.
- Value Express NVRs are outfitted for 4- and 8-camera systems and kits, flexible enough to accommodate your record-keeping needs.

NETWORK VIDEO RECORDERS - SMART PRO SERIES

	NETWORK VIDEO RECORDER				DEEPMIND NVR	
Model						
Max. Recording Resolution	12 MP	12 MP	12 MP	12 MP	12 MP	12 MP
Video Compression	H.264/H264+/H.265/ H.265+/MPEG4	H.265/H.265+/H.264/H.264+/MPEG4	H.265/H.265+/H.264/H.264+/MPEG4/ (MJPEG for Hikvision IP camera only)	H.265/H.265+/H.264/H.264+/MPEG4/ (MJPEG for Hikvision IP camera only)	H.265/H.265+/H.264/ H.264+/MPEG4	H.265/H.265+/H.264/H.264+/MPEG4
HDMI/VGA Output	3840x2160/2560x1440 (HDMI1/VGA1 Synchronous), 1920x1080/1920x1080 (HDMI2/VGA2 Synchronous), HDMI1/HDMI2 Independent	3840x2160/2560x1440 (HDMI1/VGA1 Synchronous), 1920x1080/1920x1080 (HDMI2/VGA2 Synchronous), HDMI1/HDMI2 Independent	2 HDMI 4K (4096x2160)/4K (3840x2160) and 1 VGA at 1920x1080 Resolution, HDMI1 and HDMI2 are Independent	2 HDMI 4K (4096x2160)/4K (3840x2160) and 1 VGA at 1920x1080 Resolution, VGA/LCD Synchronous, HDMI 1 and HDMI 2 are Independent	3840x2160/2560x440 (HDMI1/VGA1 Synchronous), 1920x1080/1920x1080 (HDMI2/VGA2 Synchronous), HDMI 1/HDMI2 Independent	3840x2160/2560x1440 (HDMI1/VGA1 Synchronous), 1920x1080/1920x1080 (HDMI2/VGA2 Synchronous), HDMI 1/HDMI 2 Independent
IP Video Inputs	16/32/64	32	64	128/256	32	32
Alarm Input/Output	16/4	16/8	16/8	16/8	16/4 (8 optional)	16/4
RAID Support	RAID 0, RAID 1, RAID 5, RAID 6, RAID 10	RAID 0, RAID 1, RAID 5, RAID 6, RAID 10	RAID 0, RAID 1, RAID 5, RAID 6, RAID 10	RAID 0, RAID 1, RAID 5, RAID 6, RAID 10	RAID0, RAID1, RAID5, RAID6, RAID10	RAID0, RAID1, RAID5, RAID6, RAID10
Internal SATA	8 SATA interfaces (up to 12 TB each)	16 SATA interfaces (up to 12 TB each)	16 SATA interfaces (up to 12 TB each)	24 SATA interfaces, hot-swap, (up to 12 TB each)	8 SATA interfaces (up to 10 TB each)	8 SATA interfaces (up to 6 TB each)
Maximum Internal Storage	96 TB	192 TB	192 TB	288 TB	80 TB	48 TB
Max Incoming Bandwidth (Mbps)	DS-9616NI-I8: 256 DS-9632NI-I8: 320 DS-9664NI-I8: 320 All (200 with RAID)	320 (200 with RAID)	512 (512 with RAID)	768	256	256
Maximum Outgoing Bandwidth (Mbps)	256 (200 with RAID)	256 (200 with RAID)	512 (400 with RAID)	128 Ch: 512 256 Ch: 768	200	200
Ratings	UL/cUL Listed	UL/cUL Listed	UL/cUL Listed	UL/cUL Listed	UL/cUL Listed	UL/cUL Listed
Rack Units	2	3	3	4	2	2
Power Requirements	100 to 240V AC, 50 to 60 Hz	100 to 240V AC, 50 to 60 Hz	100 to 240V AC, 550 W	100 to 240V AC, 50 to 60 Hz	100 to 240 VAC, 50 to 60 Hz	100 to 240 VAC, 50 to 60 Hz
Power Consumption	≤30 W without HDD or DVD-R/W	≤45 W without HDD or DVD-R/W	≤140 W without HDD or DVD-R/W	≤140 W without HDD or DVD-R/W	≤70 W without HDD or DVD-R/W	≤70 W without HDD or DVD-R/W

Complies with ONVIF (Profile S and G), CGI ISAPI. Contact for factory details.
Requires rack shelf (Not included) to mount in a 19" equipment rack; it is Not recommended to rack mount the unit using rack rails and rack ears (Not included) due to the weight. Weight without HDD ≤15.86 Kg (31.79 lb)



NETWORK VIDEO RECORDERS - VALUE AND PERFORMANCE SERIES

	PLUG-AND-PLAY - VALUE SERIES	PLUG-AND-PLAY - PERFORMANCE SERIES		
Model				
	DS-7604NI-Q1/4P	DS-7608NI-Q2/8P DS-7616NI-Q2/16P	DS-7608NI-I2/8P DS-7616NI-I2/16P	DS-7716NI-I4/16P
Max. Recording Resolution	8 MP		12 MP	12 MP
Video Compression	H.265/H.265+/H.264/H.264+/MPEG4		H.265/H.265+/H.264/H.264+/MPEG4	H.265/H.265+/H.264/H.264+/MPEG4
HDMI/VGA Output	4K (3840x2160)/1920x1080 independent output (except 4-ch)		3840x2160/1920x1080, 1920x1080/1920x1080, independent output	2x HDMI - 3840x2160/1920x1080 1x VGA - 2560x1440 1 CVBS output
IP Video Input	4/8/16-ch IPC with integrated 4/8/16 port 802.3af/at PoE switch		8/16-ch IPC with integrated 8/16 port 802.3af/at PoE switch	16-ch IPC with integrated 16-port 802.3af/at PoE switch
Audio Input/Output	1/1		1/1	1/1
Alarm Input/Output	4-ch/1-ch		4-ch/1-ch	16-ch/4-ch
Internal SATA	4-ch: 1 8/16-ch: 2 SATA interface (up to 6 TB each)		2 SATA interfaces (up to 12 TB each)	4 SATA interfaces (up to 12 TB each)
Max. Internal Storage	4-ch: 6 TB, 8/16-ch: 12 TB		24 TB	48 TB
Max Incoming Bandwidth (Mbps)	4-ch: 40, 8-ch: 80, 16-ch: 160		8-ch: 80, 16-ch: 160	160
Maximum Outgoing Bandwidth (Mbps)	80		256	256
Max. Remote Connections	4-ch: 16 8/16-ch: 64		4/8-ch: 32 16-ch: 128	128
Rack Units	1		1	1.5
Ratings	UL/cUL Listed		UL/cUL Listed	UL/cUL Listed
PoE Budget	4-ch: 50 W, 8-ch: 80 W, 16-ch: 150 W		8-ch: 120 W, 16-ch: 200 W	200 W
Power Requirements	4-ch: 48V DC, 8/16-ch: 100-240V AC, ≤10 W without HDD		100 to 240V AC, ≤15 W without HDD	100 to 240V AC, ≤20 W without HDD

Complies with ONVIF (Profile S), PSIA, CGI ISAPI. Contact for factory details
Command Protocols: Hikvision and Pelco D/P protocols

NETWORK VIDEO RECORDERS - PERFORMANCE SERIES

	PLUG-AND-PLAY - PERFORMANCE SERIES	ACUSENSE - HUMAN/VEHICLE DETECTION		
Model		 <small>AcuSense</small>	 <small>AcuSense</small>	 <small>AcuSense</small>
	DS-7732NI-I4 DS-7732NI-I4/16P DS-7732NI-I4/24P	DS-7608NXI-I2/8P/4S DS-7616NXI-I2/16P/4S	DS-7716NXI-I4/16P/4S	DS-7732NXI-I4/16P/4S
Max. Recording Resolution	12 MP	12 MP	12 MP	12 MP
Video Compression	H.265/H.265+/H.264/H.264+/MPEG4	H.265/H.265+/H.264/H.264+/MPEG4	H.265/H.265+/H.264/H.264+/MPEG4	H.265/H.265+/H.264/H.264+/MPEG4
HDMI/VGA Output	1x HDMI - 3840x2160/1920x1080, 1x VGA - 2560x1440, independent output (B and 24P models include 2x HDMI, 1x CVBS output)	4K (3840x2160)/1920x1080 independent output	2x HDMI - 3840x2160/1920x1080, 1x VGA - 1920x1080/1920x1080, independent output, 1x CVBS output	2x HDMI - 3840x2160/1920x1080, 1x VGA - 1920x1080/1920x1080, independent output, 1x CVBS output
IP Video Input	32-ch: without PoE 16/32-ch: IPC with integrated 16/24-port 802.3af/at PoE switch	8/16-ch: IPC with integrated 8/16-port 802.3af/at PoE switch	16-ch: IPC with integrated 16-port 802.3af/at PoE switch	32-ch: IPC with integrated 16-port 802.3af/at PoE switch
Audio Input/Output	1/1	1/1	1/1	1/1
Alarm Input/Output	16-ch/4-ch (Optional: 16-ch/8-ch)	4-ch/1-ch	16-ch/8-ch	16-ch/8-ch
Internal SATA	4 SATA interfaces (up to 12 TB each)	2 SATA interfaces (up to 12 TB each)	4 SATA interfaces (up to 12 TB each)	4 SATA interfaces (up to 12 TB each)
Max. Internal Storage	48 TB	24 TB	48 TB	48 TB
Max Incoming Bandwidth (Mbps)	14/16P: 256 24P: 320	8-ch: 80, 16-ch: 160	256	256
Maximum Outgoing Bandwidth (Mbps)	256	256	200	200
Max. Remote Connections	128	128	128	128
Rack Units	1.5	1	1.5	1.5
Ratings	UL/cUL Listed	UL/cUL Listed	UL/cUL Listed	UL/cUL Listed
PoE Budget	0 (I4), 200 W (16P), 210 W (24P)	8-ch: 120 W, 16-ch: 200 W	200 W	200 W
Power Requirements	100 to 240V AC, ≤20 W without HDD	100 to 240V AC, ≤15 W without HDD	100 to 240V AC, ≤30 W without HDD	100 to 240V AC, ≤30 W without HDD

Complies with ONVIF (Profile S), PSIA, CGI ISAPI. Contact for factory details
Command Protocols: Hikvision and Pelco D/P protocols



Value Express IP Kits



Value Express IP Kits are complete recorder and camera kits for single-site applications. Kits contain a 4K UHD recorder and multiple cameras in a single box, suitable for DIY in residential or small business applications. These IP Kits include 4-, 8-, or 16- channel recorders along with 4, 6, or 12 cameras respectively.

FEATURES

- Includes 4 MP cameras with 2.8 mm lens.
- Record up to 4K/8 MP resolution on IP cameras with 4K UHD output.
- H.265+ video compression reduces data and storage usage by up to 80 percent.
- Cameras include latest EXIR 2.0 illumination up to 100 ft. (30 m).
- Plug and Play operation with built-in PoE ports for ease of installation.



EKI-Q41T24

Includes four 2 MP Outdoor IR Turrets (ECI-T22F2) and one 4-channel NVR (ERI-Q104-P4)
*See page 51 for specs



EKI-Q82T26

Includes six 2 MP Outdoor IR Turrets (ECI-T22F2) and one 8-channel NVR (ERI-Q108-P8)
*See page 51 for specs



EKI-K41T44 **NEW**

Includes four 4 MP IP Turret Cameras (ECI-T24F2) and one 4K 4-Channel PoE NVR (ERI-K104-P4)
*See page 51 for specs



EKI-K82T46 **NEW**

Includes six 4 MP IP Turret Cameras (ECI-T24F2) and one 4K 8-Channel PoE NVR (ERI-K108-P8)
*See page 51 for specs



EKI-K164T412 **NEW**

Includes twelve 4 MP IP Turret Cameras (ECI-T24F2) and one 4K 16-Channel PoE NVR (ERI-K216-P16)
*See page 51 for specs



EKI-K41D44 **NEW**

Includes four 4 MP IP Dome Cameras (ECI-D24F2) and one 4K 4-Channel PoE NVR (ERI-K104-P4)
*See page 51 for specs



EKI-K82D46 **NEW**

Includes six 4 MP IP Dome Cameras (ECI-D24F2) and one 4K 8-Channel PoE NVR (ERI-K108-P8)
* See page 51 for specs



EKI-K164D412 **NEW**

Includes twelve 4 MP IP Dome Cameras (ECI-D24F2) and one 4K 16-Channel PoE NVR (ERI-K216-P16)
*See page 51 for specs

NETWORK VIDEO RECORDERS AND KITS - VALUE EXPRESS SERIES

PLUG-AND-PLAY NVR					
Model					
	ERI-Q104-P41 (1 TB) ERI-Q104-P42 (2 TB)	ERI-Q108-P82 (2 TB) ERI-Q108-P84 (4 TB)	ERI-K104-P4	ERI-K108-P8	ERI-K216-P16
Max. Recording Resolution	4 MP	4 MP	8 MP		
Video Compression	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264	H.265+/H.265/H.264+/H.264		
HDMI/VGA Output	1920x1080/1920x1080, synchronized output	1920x1080/1920x1080, synchronized output	1920x1080/1920x1080, synchronized output		
IP Video Input	4/8 ch NVR with integrated 4/8 port 802.3af/at PoE switch	4/8 ch NVR with integrated 4/8 port 802.3af/at PoE switch	4-ch IPC with integrated 4-port 802.3af/at PoE switch	8-ch IPC with integrated 4-port 802.3af/at PoE switch	16-ch IPC with integrated 4-port 802.3af/at PoE switch
Audio Input/Output	1 line in/1 line out	1 line in/1 line out	---		
Alarm Input/Output	---	---	---		
USB	2 USB 2.0	2 USB 2.0	---		
Internal HDD / Max. Internal Storage	---	---	1 TB / 6 TB	2 TB / 6 TB	4 TB / 6 TB
Internal SATA	Pre-configured 1 or 2 TB	Pre-configured 2 or 4 TB	---		
eSATA Interface	---	---	---		
Support DVD-RW	---	---	---		
Max Incoming Bandwidth (Mbps)	40	60	40	80	160
Maximum Outgoing Bandwidth (Mbps)	60	60	80	80	80
Max. Remote Connections	32	32	128		
Rack Units	1	1	1		
Ratings	UL/cUL Listed	UL/cUL Listed	UL/cUL Listed		
PoE Budget	36 W	75 W	50 W	80 W	150 W
Power Requirements	48V DC, ≤10 W without HDD	48V DC, ≤10 W without HDD	48VDC, ≤10W without HDD	48VDC, ≤10W without HDD	48VDC, ≤15W without HDD

SUPER VALUE TURRET		SUPER VALUE DOME	
Model			
	ECI-T22F2	ECI-T24F2 NEW	ECI-D24F2 NEW
Megapixels	2 MP	4 MP	4 MP
Min. Illumination (lux)	Color: 0.028 @ f/2.0 B/W: 0 with IR	Color: 0.028 @ f/2.0 B/W: 0 with IR	Color: 0.018 @ f/1.6 B/W: 0 with IR
Lens, Field of View (HxV)	2.8 mm, 114.5°x62°	2.8 mm, 100°x55°	2.8 mm, 103°x58°
Day/Night	IR cut filter	IR cut filter	IR cut filter
BLC/WDR	Yes/Digital	Yes/120 dB	Yes/120 dB
IR Range Max (meters)	30	30	30
Video Compression	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG	H.265+/H.265/H.264+/H.264/MJPEG
Max. Image Resolution (pixels) and Frame Rate	2 MP: 1920x1080, 30 4 MP: 2560x1440, 20	2560x1440, 20	---
Motion Detection	Yes	Yes	Yes
Audio Input/Output	---	---	---
Alarm Input/Output	---	---	---
Ratings	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed
Operating Temperature Range	-30° C to 50° C (-22° F to 122° F)	-30° C to 50° C (-22° F to 122° F)	-30° C to 60° C (-22° F to 140° F)
Power Requirements (max.)	12V DC, PoE (802.3af), 6.5 W	12V DC, PoE (802.3af), 6.5 W	12V DC, PoE (802.3af), 7.5 W
Brackets	WML, PC130T, CM, PM, CB130T, CBM, ABM, CPM	WML, PC130T, CM, PM, CB130T, CBM, ABM, CPM	CPM, CPME, WMS, WML, SRS, PC110, CB110, AB110, WM110

TurboHD™ CAMERA COMPARISON CHART



Levels	VALUE EXPRESS	VALUE			PERFORMANCE			PROFESSIONAL			
Key Features	<ul style="list-style-type: none"> • Entry-level budget cameras • 2, 5, 8 MP options available • Fixed and varifocal lenses and PTZs • New numbering scheme • Matching 4, 8, and 16 channel DVRs 	<ul style="list-style-type: none"> • A step up without stretching the budget • Models include domes, turrets and bullets • 2, 5, 8 MP options available • Multiple lens sizes including varifocal • Latest EXIR 2.0 IR technology 			<ul style="list-style-type: none"> • High-security, application specific cameras • Models with PIR detection and soft white light • Multiple lens sizes including varifocal • Excellent low-light color imaging • DFT ColorVu models offer 24/7 imaging 			<ul style="list-style-type: none"> • High performance, fully-loaded project cameras • Models include domes, turrets and bullets • 2, 5, 8 MP options available • Multiple lens sizes including varifocal • 120dB WDR and PoC models available • Heater options (D9 Series) 			
Series	ECT	D3T D8T (Black)	H0T H1T	U1T	D8T-PIRL	DFT ColorVu	H0T-PIRL	D9T D5T (Heater)	H5T	H8T	U8T
Image Quality	0.01 Lux DNR DWDR	0.005 Lux 3D DNR True WDR	0.01 Lux DNR DWDR	0.01 Lux 3D DNR True WDR	0.005 Lux 3D DNR True WDR	0.0005 Lux 24/7 Color True 130dB WDR	0.01 Lux DNR	D9T - 0.003 Lux D5T - 0.014 Lux 3D DNR True WDR	0.008 Lux DNR DWDR	0.003 Lux 3D DNR True WDR	0.003 Lux 3D DNR True WDR
Resolution	2 MP	2 MP	5 MP	8 MP	2 MP	2/5 MP	5 MP	2 MP	5 MP	5 MP	8 MP
4 in 1 output (TVI, CVI, AHD, CVBS)	✓	✓	✓	✓	---	✓	---	Dual TVI/ CVBS	---	✓	---
Day/Night	True	True	True	True	True	24/7 Color	True	True	True	True	True
EXIR 2.0 Range Max. (meters)	20	20/30/40/ 50/70	20/40/80	30/60/80	20	20/40 white light	20	40/80/110	20/40/60/80	30/60/80	40/60/80
PIR Detection	---	---	---	---	✓	---	✓	---	---	---	---
White Supplemental Light	---	---	---	---	✓	✓	✓	---	---	---	---
Defog	---	---	---	---	---	---	---	✓	---	---	✓
Fisheye	---	---	H1T only	---	---	---	---	---	---	---	---

TurboHD™ Analog Cameras

Enjoy high definition video using existing cabling with Hikvision's TurboHD (HD over Coax) HD-TVI technology. These products provide HD video up to 4K over coaxial cable at distances up to 2,600 feet (792 meters). Specially designed for analog users who want a high definition surveillance system without the cost and time of upgrading to IP or replacing existing cabling structures. Delivering impressive image quality, this camera line offers incredibly durable, vandal-proof products with features such as industry-leading H.265+ video compression, OSD menu via Up-the-Coax (UTC), Power over Coax (PoC), EXIR 2.0 illumination, motorized zoom and focus, and 120dB WDR. Several models are available in optional black finish.

FEATURES

- Choice of budget-level Value series (U1T, H0T, D3T), Performance series (PIRL, DFT ColorVu), or fully-featured Pro series (U8T, H5T, H8T, D5T, D9T) in dome, turret and bullet form factors.
- Varied resolutions, including 720p, 1080p (2 MP), 5 MP and 8 MP (4K).
- Unique features like Power over Coax (PoC) models reduce installation costs dramatically.
- Multi-standard support for TVI, AHD, CVI and CVBS analog signals on several camera models.
- PIR (passive infrared) versions include built-in supplemental lighting.
- ColorVu 24/7 color imaging even in complete darkness.

5 MP TurboHD Outdoor EXIR 2.0 Camera
DS-2CE59H8T-AVPIT3ZF



APPLICATION EXAMPLES



Residential



Store front



Supermarkets



TurboHD™ ANALOG CAMERAS

	COLORVU OUTDOOR BULLET		COLORVU OUTDOOR TURRET			
Model				 NEW	 NEW	 NEW
	DS-2CE10DFT-F DS-2CE10DFT-F28	DS-2CE12DFT-F DS-2CE12DFT-F28	DS-2CE72DFT-F DS-2CE72DFT-F28	DS-2CE10HFT-F DS-2CE10HFT-F28	DS-2CE12HFT-F DS-2CE12HFT-F28	DS-2CE72HFT-F DS-2CE72HFT-F28
TurboHD Series	Performance	Performance	Performance	Performance	Performance	Performance
Megapixels	2 MP	2 MP	2 MP	5 MP	5 MP	5 MP
Video Out	TVI/AHD/CVI/CVBS	TVI/AHD/CVI/CVBS	TVI/AHD/CVI/CVBS	TVI/AHD/CVI/CVBS	TVI/AHD/CVI/CVBS	TVI/AHD/CVI/CVBS
HD-TV I Resolution	1920x1080	1920x1080	1920x1080	2560x1944	2560x1944	2560x1944
CVBS Resolution	960H	960H	960H	960H	960H	960H
Min. Illumination (lux)	Color: 0.0005 @ f/1.0 B/W: 0 with IR	Color: 0.0005 @ f/1.0 B/W: 0 with IR	Color: 0.0005 @ f/1.0 B/W: 0 with IR	Color: 0.0005 @ f/1.0 B/W: 0 with IR	Color: 0.0005 @ f/1.0 B/W: 0 with IR	Color: 0.0005 @ f/1.0 B/W: 0 with IR
Lens, Field of View (HxV)	-F: 3.6 mm, 6 mm -F28: Fixed 2.8 mm 2.8 mm: H 104°, V 54° 3.6 mm: H 83.0°, V 44.4° 6 mm: H 51.0°, V 28.5°	-F: 3.6 mm, 6 mm -F28: Fixed 2.8 mm 2.8 mm: H 104°, V 54° 3.6 mm: H 83.0°, V 44.4° 6 mm: H 51.0°, V 28.5°	-F: 3.6 mm, 6 mm -F28: Fixed 2.8 mm 2.8 mm: H 104°, V 54° 3.6 mm: H 83.0°, V 44.4° 6 mm: H 51.0°, V 28.5°	-F: 3.6 mm, 6 mm -F28: Fixed 2.8 mm 2.8 mm: H 99.7°, V 72° 3.6 mm: H 80.1° 6 mm: H 49.3°	-F: 3.6 mm, 6 mm -F28: Fixed 2.8 mm 2.8 mm: H 99.7°, V 72° 3.6 mm: H 80.1° 6 mm: H 49.3°	-F: 3.6 mm, 6 mm -F28: Fixed 2.8 mm 2.8 mm: H 99.7°, V 72° 3.6 mm: H 80.1° 6 mm: H 49.3°
Day/Night, BLC, WDR	24/7 Color, Yes, 130 dB	24/7 Color, Yes, 130 dB	24/7 Color, Yes, 130 dB	24/7 Color, Yes, ≥ 130 dB	24/7 Color, Yes, ≥ 130 dB	24/7 Color, Yes, ≥ 130 dB
IR Range max (meters)	White Light Distance Up to 20 m	White Light Distance Up to 40 m	White Light Distance Up to 20 m	White Light Distance Up to 20 m	White Light Distance Up to 40 m	White Light Distance Up to 20 m
OSD Menu via Up-the-Coax (UTC)	Yes	Yes	Yes	Yes	Yes	Yes
Ratings	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed
Operating Temperature Range	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)
Power Requirements (max.)	12V DC ±25%, 3 W	12V DC ±25%, 4.2 W	12V DC ±25%, 3 W	12 VDC ±25%, 3.5W	12 VDC ±25%, 4.9W	12 VDC ±25%, 3.5W
Brackets	CBXS	CBXS	PC110T, CBS, ABS, PM, CM	CBXS	CBXS	PC110T, CBS, ABS, PM, CM

TurboHD™ ANALOG CAMERAS

	INDOOR BOX CAMERA		OUTDOOR BULLET				
Model	 <i>*Lens not included</i>	 <i>*Lens not included</i>					
	DS-2CC12D8T-AMM	DS-2CE37U8T-A	DS-2CE11H0T-PIRL	DS-2CE12H0T-PIRL	DS-2CE11D8T-PIRL	DS-2CE12D8T-PIRL	DS-2CE16U1T-ITF
TurboHD Series	Value	Professional	Performance	Performance	Performance	Performance	Value
Megapixels	2 MP	8 MP	5 MP	5 MP	2 MP	2 MP	8 MP
Video Out	HD-TVI/CVBS (Selectable)	HD-TVI/CVBS	HD-TVI	HD-TVI	HD-TVI	HD-TVI	TVI/AHD/CVI/CVBS
HD-TVI Resolution	1920x1080	3840x2160	2560x1944	2560x1944	1920x1080	1920x1080	3840x2160
CVBS Resolution	960H	720x576	---	---	---	---	960H
Min. Illumination (lux)	Color: 0.005 @ f/1.2 B/W: 0 with IR	Color: 0.003 @ f/1.2 B/W: 0 with IR	Color: 0.01 @ f/1.2 B/W: 0 with IR	Color: 0.01 @ f/1.2 B/W: 0 with IR	Color: 0.003 @ f/1.2, B/W: 0 with IR	Color: 0.003 @ f/1.2, B/W: 0 with IR	Color: 0.01 @ f/1.2, B/W: 0 with IR
Lens, Field of View (HxV)	C/CS Mount	C/CS mount	2.8 mm, H 85.5°, V 63.8°, 3.6 mm, H 80.1°, V 63.8°	2.8 mm, H 85.5°, V 63.8°, 3.6 mm, H 80.1°, V 63.8°	2.8 mm, H 103.5°, V 55°, 3.6 mm, H 79.1°, V 43°	2.8 mm, H 103.5°, V 55°, 3.6 mm, H 79.1°, V 43°	2.8 mm, H 102.2°, 3.6 mm, H 79°, 6 mm, 50.8°
Day/Night, BLC, WDR	Auto/Color/Black and White, Yes, 120 dB	True, Yes, 120 dB	True, Yes, No	True, Yes, No	True, Yes, 120 dB	True, Yes, 120 dB	True, Yes, Digital
IR Range max (meters)	---	---	20	20	20	20	30
OSD Menu via Up-the-Coax (UTC)	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Ratings	UL/cUL Listed	UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed
Operating Temperature Range	-30° C to 60° C (-22° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)
Power Requirements (max.)	12V DC ±25%, 24V AC ±25%, 3 W	12V DC ±25%, 24V AC ±25%, 10 W	12V DC ±25%, Max. 4 W	12V DC ±25%, Max. 4 W	12V DC ±25%, 4.5 W	12V DC ±25%, 4.5 W	12V DC ±25%, 5.3 W
Brackets	PP1, PP2, PM, CM, CHB, CHB-HBW, CHB-HB, WBS, WBL	PP1, PP2, PM, CM, CHB, CHB-HBW, CHB-HB, WBS, WBL	CBXS	CBXS	CBXS	CBXS	CBXS



TurboHD™ ANALOG CAMERAS

OUTDOOR BULLET							
Model	EXIR 2.0	EXIR 2.0	EXIR 2.0	EXIR 2.0	EXIR 2.0	EXIR 2.0 (PoC)	EXIR 2.0 (PoC)
							
	DS-2CE16D3T-ITF	DS-2CE16D3T-I3F	DS-2CE16U1T-IT3F	DS-2CE18U8T-IT3	DS-2CE16H0T-IT3F DS-2CE16H0T-IT5F	DS-2CE16H5T-ITE DS-2CE16H5T-IT3E DS-2CE16H5T-IT5E	DS-2CE16H8T-IT3F
TurboHD Series	Value	Value	Value	Professional	Professional	Professional	Professional
Megapixels	2 MP	2 MP	8 MP	8 MP	5 MP	5 MP	5 MP
Video Out	TVI/AHD/CVI/CVBS	TVI/AHD/CVI/CVBS	HD-TVI	HD-TVI	TVI/AHD/CVI/CVBS	HD-TVI	TVI/AHD/CVI/CVBS
HD-TVI Resolution	1920x1080	1920x1080	3840x2160	3840x2160	2560x1944	2560x1944	2560x1944
CVBS Resolution	700TVL	700TVL	960H	720x576	960H	---	---
Min. Illumination (lux)	Color: 0.005 @ f/1.2 B/W: 0 with IR	Color: 0.005 @ f/1.2 B/W: 0 with IR	Color: 0.01 @ f/1.2 B/W: 0 with IR	Color: 0.003 @ f/1.2, B/W: 0 with IR	Color: 0.01 @ f/1.2 B/W: 0 with IR	Color: 0.008 @ f/1.2 B/W: 0 with IR	Color: 0.003 @ f/1.2 B/W: 0 with IR
Lens, Field of View (HxV)	2.8 mm: H 106° 3.6 mm: H 82° 6 mm: H 51°	2.8 mm: H 106° 3.6 mm: H 82° 6 mm: H 51°	2.8 mm: H 102.2° 3.6 mm: H 79° 6 mm: H 50.8° 8 mm: H 73° 12 mm: H 23.96°	2.8 mm: H 102.2° 3.6 mm: H 79° 6 mm: 50.8°	IT3: 2.8 mm: H 85.5° 3.6 mm: H 80.1° 6 mm: H 57.1° 8 mm: H 41° 12 mm: H 25.7° IT5: 3.6 mm: H 80.1° 6 mm: H 57.1° 8 mm: H 41° 12 mm: H 25.7°	ITE: 2.8 mm: H 91° 3.6 mm: H 70° 6 mm: H 45° IT3E: 2.8 mm: H 91° 3.6 mm: H 70° 6 mm: H 45° 8 mm: H 41° 12 mm: H 26° IT5E: 3.6 mm: H 70° 6 mm: H 45° 8 mm: H 41° 12 mm: H 26°	2.8mm: H 98° 3.6 mm: H 78° 6 mm: H 48° 8 mm: H 37° 12 mm: H 23°
Day/Night, BLC, WDR	True, Yes, 120 dB	True, Yes, 120 dB	True, Yes, 105 dB	True, Yes, 120 dB	True, Yes, Digital	True, Yes, Digital	True, Yes, 130 dB
IR Range max (meters)	30	30	60	60	IT3: Up to 40m IT5: Up to 80 m	ITE/IT1E: 20 m IT3E: 40 m IT5E: 80 m	60 m
OSD Menu via Up-the-Coax (UTC)	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Ratings	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP65, UL/cUL Listed	IP67, UL/cUL Listed
Operating Temperature Range	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)
Power Requirements (max.)	12V DC ±25%, 4.6W	12V DC ±25%, 4.7 W	12V DC ±25%, 5.3 W	12V DC ±25%, 4.8 W	12V DC ±25%, IT3: 4.3 W IT5: 5.2 W	12V DC ±25%/PoC.af, ITE/IT1E/IT3E: 4.5 W IT5E: 6.5 W	12V DC ±25%, 5.8 W
Brackets	CBXS	CBXS	CBXS	CBXS	CBXS	CBXS	CBXS

TurboHD™ ANALOG CAMERAS

	OUTDOOR BULLET	OUTDOOR VF BULLET					
Model	EXIR 2.0	EXIR 2.0 (PoC)	EXIR 2.0	EXIR 2.0	EXIR 2.0	EXIR 2.0	EXIR 2.0
							
	DS-2CE16D3T-IT3F	DS-2CC12D9T-IT3E DS-2CC12D9T-IT5E	DS-2CE19U1T-AIT3ZF	DS-2CE19U8T-AIT3Z	DS-2CE16H0T-AIT3ZF	DS-2CE19H8T-AIT3ZF	DS-2CE19D3T-AIT3ZF
TurboHD Series	Value	Professional	Value	Professional	Value	Professional	Value
Megapixels	2 MP	2 MP	8 MP	8 MP	5 MP	5 MP	2 MP
Video Out	TVI/AHD/CVI/CVBS	HD-TVI	HD-TVI	TVI/CVBS	TVI/AHD/CVI/CVBS	TVI/AHD/CVI/CVBS	TVI/AHD/CVI/CVBS
HD-TVI Resolution	1920x1080	1920x1080	3840x2160	3840x2160	2560x1944	2560x1944	1920x1080
CVBS Resolution	700TVL	720x576	960H	720x576	960H	---	700TVL
Min. Illumination (lux)	Color: 0.005 @ f/1.2 B/W: 0 with IR	Color: 0.003 @ f/1.2 B/W: 0 with IR	Color: 0.01 @ f/1.2 B/W: 0 with IR	Color: 0.003 @ f/1.2 B/W: 0 with IR	Color: 0.01 @ f/1.2 B/W: 0 with IR	Color: 0.003 @ f/1.2 B/W: 0 with IR	Color: 0.005 @ f/1.2 B/W: 0 with IR
Lens, Field of View (HxV)	2.8 mm: H 106° 3.6 mm: H 82° 6 mm: H 51° 8 mm: H 39° 12 mm: H 24°	2.8 mm: H 103.5° 3.6 mm: H 82.6° 6 mm: H 54.4°	2.7 to 13.5 mm motorized vari-focal lens, H 108.1° to 45.6°	2.8 to 12 mm motorized vari-focal lens, H 108.1° to 45.6°	2.7 to 13.5 mm motorized vari-focal lens, H 95.7° to 29.1°	2.7 to 13.5 mm motorized vari-focal lens, H 92.3° to 29.3°	2.7 to 13.5 mm motorized vari-focal lens, H 102° to 31°
Day/Night, BLC, WDR	True, Yes, 120 dB	True, Yes, 120 dB	True, Yes, 105 dB	True, Yes, 120 dB	True, Yes, Digital	True, Yes, 130 dB	True, Yes, 120 dB
IR Range max (meters)	50	IT3E: 40 IT5E: 80	80	80	Up to 40 m	80	70
OSD Menu via Up-the-Coax (UTC)	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Ratings	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed
Operating Temperature Range	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)
Power Requirements (max.)	12V DC ±25%, 5.6 W	12V DC ±30%/PoC.at, IT3E: 4 W IT5E: 5.5 W	9.6V DC to 14.4V DC; 19.2V AC to 28.8V AC, 10.8 W	12V DC ±25%, 24V DC ±25%, 14.5 W	12V DC ±15%, 24V AC ±15%, 8.9 W	9.6V DC to 14.4V DC; 19.2V AC to 28.8V AC, 10.5 W	24V AC ±15%, 12V DC ±20%, 9.7 W
Brackets	CBXS	CBXS	CBS, PM, CM	CBS, PM, CM	CBS, PM, CM	CBS, PM, CM	CBS, PM, CM



TurboHD™ ANALOG CAMERAS

	OUTDOOR VF BULLET			OUTDOOR DOME			
Model	 EXIR 2.0	 EXIR 2.0 (PoC)	 EXIR 2.0	 EXIR 2.0	 EXIR 2.0	 EXIR 2.0	 EXIR 2.0 (PoC)
	DS-2CE16D5T-AIR3ZH	DS-2CC12D9T-AIT3ZE	DS-2CE16D9T-AIRAZH	DS-2CE57U1T-VPITF	DS-2CE57U8T-VPIT	DS-2CE56H0T-VPITF DS-2CE56H0T-VPITFB (black) NEW	DS-2CE56H5T-VPITE
TurboHD Series	Professional	Professional	Professional	Value	Professional	Value	Professional
Megapixels	2 MP	2 MP	2 MP	8 MP	8 MP	5 MP	5 MP
Video Out	HD-TVI/CVBS (Dual)	HD-TVI/CVBS (Dual)	HD-TVI/CVBS (Dual)	TVI/AHD/CVI/CVBS	HD-TVI	TVI/AHD/CVI/CVBS	HD-TVI
HD-TVI Resolution	1920x1080	1920x1080	1920x1080	3840x2160	3840x2160	2560x1944	2560x1944
CVBS Resolution	600TVL	720x576	600TVL	960H	720x576	960H	---
Min. Illumination (lux)	Color: 0.014 @ f/1.4 B/W: 0 with IR	Color: 0.003 @ f/1.2 B/W: 0 with IR	Color: 0.003 @ f/1.2 B/W: 0 with IR	Color: 0.01 @ f/1.2 B/W: 0 with IR	Color: 0.003 @ f/1.2 B/W: 0 with IR	Color: 0.01 @ f/1.2 B/W: 0 with IR	Color: 0.008 @ f/1.2 B/W: 0 with IR
Lens, Field of View (HxV)	2.8 to 12 mm motorized vari-focal lens, H 103°- 32.1°	2.8 to 12 mm motorized vari-focal lens, H 98° to 32.1°	5 to 50 mm motorized vari-focal lens, H 59.8°-6.2°	2.8 mm: H 102.2° 3.6 mm: H 79° 6 mm: 50.8°	2.8 mm: H 102.2° 3.6 mm: H 79° 6 mm: 50.8°	2.8 mm: H 85.5° 3.6 mm: H 80.1° 6 mm: H 57.1	2.8 mm: H 91° 3.6 mm: H 70° 6 mm: H 45°
Day/Night, BLC, WDR	True, Yes, 120 dB	True, Yes, 120 dB	True, Yes, 120 dB	True, Yes, 105 dB	True, Yes, 120 dB	True, Yes, Digital	True, Yes, Digital
IR Range max (meters)	40	40	120	30	40	Up to 20 m	20
OSD Menu via Up-the-Coax (UTC)	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Ratings	IP66, UL/cUL Listed	IP67, UL/cUL Listed	IP66, UL/cUL Listed	IP67, IK10, UL/cUL Listed	IP67, IK10, UL/cUL Listed	IP67, IK10, UL/cUL Listed	IP67, IK10, UL/cUL Listed
Operating Temperature Range	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)
Power Requirements (max.)	24V AC, 12 W	24V AC/12V DC ±30%, PoC.af, 7.5 W	24V AC, 20 W	12V DC ±25%, 5.3 W	12V DC ±25%, 4.8 W	12V DC ±25%, 4.3 W	12V DC ±25%, PoC.af, 4.5 W
Brackets	CBS, PM, CM	CBS, PM, CM	CB130, CBS	AB110, PC110+WMS, PM, CM, CB110, WM110, SRSM, SRS, PC110+CPM	AB110, PC110+WMS, PM, CM, CB110, WM110, SRSM, SRS, PC110+CPM	AB110, PC110+WMS, PM, CM, CB110, WM110, SRSM, SRS, PC110+CPM	AB110, CPM+PC110, WML+PC110, PM, CB110, WM110

TurboHD™ ANALOG CAMERAS

	OUTDOOR DOME			INDOOR DOME		INDOOR VF DOME	OUTDOOR VF DOME	
Model	 EXIR 2.0 DS-2CE57H8T-VPITF	 EXIR 2.0 DS-2CE57D3T-VPITF DS-2CE57D3T-VPITFB (black) NEW	 EXIR 2.0 DS-2CE56D8T-VPITB (black)	 EXIR 2.0 DS-2CE56H0T-AITZF	 EXIR 2.0 (PoC) DS-2CC52D9T-AITZE	 EXIR 2.0 DS-2CE59U1T-AVPIT3ZF	 EXIR 2.0 DS-2CE59U8T-AVPIT3Z	
TurboHD Series	Professional	Value	Value	Value	Professional	Value	Professional	
Megapixels	5 MP	2 MP	2 MP	5 MP	2 MP	8 MP	8 MP	
Video Out	TVI/AHD/CVI/CVBS	TVI/AHD/CVI/CVBS	HD-TVI	TVI/AHD/CVI/CVBS	HD-TVI/CVBS (Dual)	TVI/AHD/CVI/CVBS	HD-TVI	
HD-TVI Resolution	2560x1944	1920x1080	1920x1080	2560x1944	1920x1080	3840x2160	3840x2160	
CVBS Resolution	---	700TVL	---	960H	720x576	960H	720x576	
Min. Illumination (lux)	Color: 0.003 @ f/1.2 B/W: 0 with IR	Color: 0.005 @ f/1.2 B/W: 0 with IR	Color: 0.005 @ f/1.2 B/W: 0 with IR	Color: 0.01 @ f/1.2 B/W: 0 with IR	Color: 0.003 @ f/1.2 B/W: 0 with IR	Color: 0.01 @ f/1.2 B/W: 0 with IR	Color: 0.003 @ f/1.2 B/W: 0 with IR	
Lens, Field of View (HxV)	2.8 mm: H 98° 3.6 mm: H 78° 6 mm: H 48°	2.8 mm: H 106° 3.6 mm: H 82° 6 mm: H 51°	2.8 mm: H 103.5° 3.6 mm: H 82.6° 6 mm: H 54.4°	2.7 to 13.5 mm motorized vari-focal lens, H 95.7° to 29.1°	2.8 to 12 mm motorized vari-focal lens, H 32.1° to 98°	2.8 to 12 mm motorized vari-focal lens, H 108.1° to 45.6°	2.8 to 12 mm motorized vari-focal lens, H 108.1° to 45.6°	
Day/Night, BLC, WDR	True, Yes, 130 dB	True, Yes, 120 dB	True, Yes, 120 dB	True, Yes, Digital	True, Yes, 120 dB	True, Yes, 105 dB	True, Yes, 120 dB	
IR Range max (meters)	30	30	20	40	40	60	60	
OSD Menu via Up-the-Coax (UTC)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Ratings	IP67, IK10, UL/cUL Listed	IP67, IK10, UL/cUL Listed	IP67, IK10, UL/cUL Listed	IP67, UL/cUL Listed	UL/cUL Listed	IP67, UL/cUL Listed	IP67, IK10, UL/cUL Listed	
Operating Temperature Range	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	
Power Requirements (max.)	12V DC ±25%, 5.8 W	12V DC ±25%, 4.6 W	12 V DC ±25%, 3.2 W	12V DC ±15%, 24V AC ±15%, 6 W	24V AC/12V DC ±30%/PoC.at, 6 W	9.6V DC to 14.4V DC; 19.2V AC to 28.8 VAC, 8.2W	12V DC ±25%, 24V DC ±25%, 10.5 W	
Brackets	AB110, PC110+WMS, PM, CM, CB110, WM110, SRSM, SRS, PC110+CPM	AB110(B), PC110(B)+WMSB, PM, CM, CB110(B), WM110(B), SRSM, SRS(B), PC110+CPM	AB110B, PC110B+WMSB, CB110B, WM110B, SRSB	CPM+PC130, WML+PC130, RCM-3, PM, CM, SRSL, SRS	CPM+PC130, WML+PC130, RCM-3, PM, CM, SRSL, SRS	WML+PC140, CPM+PC140, RCM-2, ABL, PM, CM, SRSL,SRS	WML+PC140, CPM+PC140, RCM-2, ABL, PM, CM, SRSL, SRS	



TurboHD™ ANALOG CAMERAS

OUTDOOR VF DOME						
Model	EXIR 2.0 	EXIR 2.0 (PoC) 	EXIR 2.0 (PoC) 	EXIR 2.0 	EXIR 2.0 (PoC) 	EXIR 2.0 
	DS-2CE56H0T-AVPIT3ZF DS-2CE56H0T-AVPIT3ZFB (black) NEW	DS-2CE56H5T-VPIT3ZE	DS-2CE59H8T-AVPIT3ZF	DS-2CE5AD3T-AVPIT3ZF DS-2CE5AD3T-AVPIT3ZFB (black) NEW	DS-2CC52D9T-AVPIT3ZE	DS-2CE56D5T-AVPIR3ZH
TurboHD Series	Value	Professional	Professional	Value	Professional	Professional
Megapixels	5 MP	5 MP	5 MP	2 MP	2 MP	2 MP
Video Out	TVI/AHD/CVI/CVBS	HD-TVI	TVI/AHD/CVI/CVBS	TVI/AHD/CVI/CVBS	HD-TVI	HD-TVI/CVBS (Dual)
HD-TVI Resolution	2560x1944	2560x1944	2560x1944	1920x1080	1920x1080	1920x1080
CVBS Resolution	960H	---	---	700TVL	720x576	600TVL
Min. Illumination (lux)	Color: 0.01 @ f/1.2 B/W: 0 with IR	Color: 0.008 @ f/1.2 B/W: 0 with IR	Color: 0.003 @ f/1.2 B/W: 0 with IR	Color: 0.005 @ f/1.2 B/W: 0 with IR	Color: 0.003 @ f/1.2 B/W: 0 with IR	Color: 0.014 @ f/1.4 B/W: 0 with IR
Lens, Field of View (HxV)	2.7 to 13.5 mm motorized vari-focal lens, H 95.7° to 29.1°	2.7 to 13.5 mm motorized vari-focal lens, H 102° to 31°	2.7 to 13.5 mm motorized vari-focal lens, H 92.3° to 29.3°	2.7 to 13.5 mm motorized vari-focal lens, H 102° to 31°	2.8 to 12 mm motorized vari-focal lens, H 98° to 32.1°	2.8 to 12 mm motorized vari-focal lens, H 103° to 32.1°
Day/Night, BLC, WDR	True, Yes, Digital	True, Yes, Digital	True, Yes, 130 dB	True, Yes, 120 dB	True, Yes, 120 dB	True, Yes, 120 dB
IR Range max (meters)	40	40	60	70	40	40
OSD Menu via Up-the-Coax (UTC)	Yes	Yes	Yes	Yes	Yes	Yes
Ratings	IP67, IK10, UL/cUL Listed	IP67, IK10, UL/cUL Listed	IP67, IK10, UL/cUL Listed	IP67, IK10, UL/cUL Listed	IP67, IK10, UL/cUL Listed	IP67, IK10 UL/cUL Listed
Operating Temperature Range	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)
Power Requirements (max.)	12V DC ±15%, 24V AC ±15%, 6 W	12 V DC ±25%/PoC.af, 8W	9.6V DC to 14.4V DC; 19.2V AC to 28.8V AC, 8 W	24V AC ±15%, 12V DC ±20%, 9.7 W	24V AC/12V DC ±30%, PoC.at, 6 W	24V AC, 9 W
Brackets	WML+PC140, CPM+PC140, RCM-2, ABL, PM, CM, SRSL, SRS	PM, CM, CPM+PC140, WML+PC140, RCM-2, ABL	WML+PC140, CPM+PC140, RCM-2, ABL, PM, CM, SRSL, SRS	WML(B)+PC140(B), CPM+PC140, PM, CM, CB140-DM45, SRSL	WML+PC140, CPM+PC140, RCM-2, ABL, PM, CM, SRSL, SRS	WML+PC140, CM, PM, CPM+PC140, RCM-2

TurboHD™ ANALOG CAMERAS

OUTDOOR TURRET						
Model	EXIR 2.0 	EXIR 2.0 	EXIR 2.0 	EXIR 2.0 	EXIR 2.0 (PoC) 	EXIR 2.0 
	DS-2CE71H0T-PIRL	DS-2CE71D8T-PIRL	DS-2CE76U1T-ITMF	DS-2CE56H0T-ITMF	DS-2CE56H5T-ITME	DS-2CE76H8T-ITMF
TurboHD Series	Performance	Performance	Value	Value	Professional	Professional
Megapixels	5 MP	2 MP	8 MP	5 MP	5 MP	5 MP
Video Out	HD-TVI	HD-TVI	TVI/AHD/CVI/CVBS	TVI/AHD/CVI/CVBS	HD-TVI	TVI/AHD/CVI/CVBS
HD-TVI Resolution	2560x1944	1920x1080	3840x2160	2560x1944	2560x1944	2560x1944
CVBS Resolution	---	---	960H	960H	---	---
Min. Illumination (lux)	Color: 0.01 @ f/1.2 B/W: 0 with IR	Color: 0.003 @ f/1.2, B/W: 0 with IR	Color: 0.01 @ f/1.2 B/W: 0 with IR	Color: 0.01 @ f/1.2 B/W: 0 with IR	Color: 0.008 @ f/1.2 B/W: 0 with IR	Color: 0.003 @ f/1.2 B/W: 0 with IR
Lens, Field of View (HxV)	Fixed 2.8 mm, 3.6 mm	Fixed 2.8 mm, 3.6 mm	Fixed 2.8 mm, 3.6 mm, 6 mm	Fixed 2.8 mm, 3.6 mm, 6 mm	Fixed 2.8 mm, 3.6 mm, 6 mm	Fixed 2.8 mm, 3.6 mm, 6 mm
	2.8 mm: 85.5° 3.6 mm: 80.1°	2.8 mm: 103.5° 3.6 mm: 82.6°	2.8 mm: 102.2° 6 mm: 50.8°	2.8 mm: 85.5° 3.6 mm: 80.1° 6 mm: 57.1°	2.8 mm: 91° 3.6 mm: 70° 6 mm: 45°	2.8 mm: 98° 3.6 mm: 78° 6 mm: 48°
Day/Night, BLC, WDR	True, Yes, DWDR	True, Yes, 130 dB	True, Yes, 105 dB	True, Yes, Digital	True, Yes, Digital	True, Yes, 130 dB
IR Range max (meters)	20	20	30	20	40	30
OSD Menu via Up-the-Coax (UTC)	Yes	Yes	Yes	Yes	Yes	Yes
Ratings	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed
Operating Temperature Range	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)
Power Requirements (max.)	12V DC ±25%, 4 W	12V DC ±25%, 4.5 W	12V DC ±25%, 5.3W	12V DC ±25%, 4.3 W	12V DC ±25%/PoC.af, 9 W	12V DC ±25%, 5.8W
Brackets	WMS+PC110T, PM, CM, CBS, ABS	PC110T, CBS, ABS	CBXS	PC110T, PM, CBXS	PC110T, CBXS	CBXS



TurboHD™ ANALOG CAMERAS

OUTDOOR TURRET							
Model							
	DS-2CE76D3T-ITMF	DS-2CE56D8T-ITMB (Black)	DS-2CE78U1T-IT3F	DS-2CE78U8T-IT3	DS-2CE56H0T-IT3F	DS-2CE56H5T-IT3E	DS-2CE78H8T-IT3F
TurboHD Series	Value	Value	Value	Professional	Value	Professional	Professional
Megapixels	2 MP	2 MP	8 MP	8 MP	5 MP	5 MP	5 MP
Video Out	TVI/AHD/CVI/CVBS	HD-TVI	TVI/AHD/CVI/CVBS	HD-TVI	TVI/AHD/CVI/CVBS	HD-TVI	TVI/AHD/CVI/CVBS
HD-TVI Resolution	1920x1080	1920x1080	3840x2160	3840x2160	2560x1944	2560x1944	2560x1944
CVBS Resolution	700TVL	---	960H	720x576	960H	---	---
Min. Illumination (lux)	Color: 0.005 @ f/1.2 B/W: 0 with IR	Color: 0.005 @ f/1.2 B/W: 0 with IR	Color: 0.01 @ f/1.2 B/W: 0 with IR	Color: 0.003 @ f/1.2 B/W: 0 with IR	Color: 0.01 @ f/1.2 B/W: 0 with IR	Color: 0.008 @ f/1.2 B/W: 0 with IR	Color: 0.003 @ f/1.2 B/W: 0 with IR
Lens, Field of View (HxV)	Fixed 2.8 mm, 3.6 mm, 6 mm	Fixed 2.8 mm, 3.6 mm, 6 mm	Fixed 2.8 mm, 3.6 mm, 6 mm, 8 mm, 12 mm	Fixed 2.8 mm, 3.6 mm, 6 mm	Fixed 2.8 mm, 3.6 mm, 6 mm, 8 mm, 12 mm	Fixed 2.8 mm, 3.6 mm, 6 mm, 8 mm, 12 mm	Fixed 2.8 mm, 3.6 mm, 6 mm, 8 mm, 12 mm
	2.8 mm: 106° 3.6 mm: 82° 6 mm: 51°	2.8 mm: 103.5° 3.6 mm: 82.6° 6 mm: 54.4°	2.8 mm: 102.2° 6 mm: 50.8°	2.8 mm: 102.2° 3.6 mm: 79° 6 mm: 50.8°	2.8 mm: 85.5° 3.6 mm: 80.1° 6 mm: 57.1° 8 mm: 41° 12 mm: 25.7°	2.8 mm: 91° 3.6 mm: 70° 6 mm: 45° 8 mm: 41° 12 mm: 26°	2.8 mm: 98° 3.6 mm: 78° 6 mm: 48° 8 mm: 37° 12 mm: 23°
Day/Night, BLC, WDR	True, Yes, 120 dB	True, Yes, 120 dB	True, Yes, 105 dB	True, Yes, 120 dB	True, Yes, Digital	True, Yes, Digital	True, Yes, 130 dB
IR Range max (meters)	30	20	60	60	40	20	60
OSD Menu via Up-the-Coax (UTC)	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Ratings	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed
Operating Temperature Range	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)
Power Requirements (max.)	12V DC ±25%, 4.6 W	12V DC ±25%, 3.6 W	12V DC ±25%, 5.3W	12V DC ±25%, 4.8 W	12V DC ±25%, 4.3W	12V DC ±25%/PoC.af, 4.5 W	12V DC ±25%, 5.8W
Brackets	CPM, CPME, WMS, WML, RPM, PM, CM, SRS, SRSM, SRSL, PC110T	CBXS	CBS	CPM, CPME, WMS, WML, RPM, PM, CM, SRS, SRSM, SRSL, PC110T, CBS, ABS	CPM, CPME, WMS, WML, RPM, PM, CM, SRS, SRSM, SRSL, PC110T, CBS, ABS	CPM, CPME, WMS, WML, RPM, PM, CM, SRS, SRSM, SRSL, PC110T, CBS, ABS	CBS

TurboHD™ ANALOG CAMERAS

	OUTDOOR TURRET		OUTDOOR VF TURRET				
Model							
	DS-2CE78D3T-IT3F	DS-2CC52D9T-IT3E	DS-2CE79U1T-IT3ZF	DS-2CE79U8T-IT3Z	DS-2CE56H0T-IT3ZF	DS-2CE56H5T-IT3ZE	DS-2CE79H8T-AIT3ZF
TurboHD Series	Value	Professional	Value	Professional	Value	Professional	Professional
Megapixels	2 MP	2 MP	8 MP	8 MP	5 MP	5 MP	5 MP
Video Out	TVI/AHD/CVI/CVBS	HD-TVI	TVI/AHD/CVI/CVBS	HD-TVI	TVI/AHD/CVI/CVBS	HD-TVI	TVI/AHD/CVI/CVBS
HD-TVI Resolution	1920x1080	1920x1080	3840x2160	3840x2160	2560x1944	2560x1944	2560x1944
CVBS Resolution	700TVL	720x576	960H	720x576	960H	---	---
Min. Illumination (lux)	Color: 0.005 @ f/1.2 B/W: 0 with IR	Color: 0.003 @ f/1.2 B/W: 0 with IR	Color: 0.01 @ f/1.2 B/W: 0 with IR	Color: 0.003 @ f/1.2 B/W: 0 with IR	Color: 0.01 @ f/1.2 B/W: 0 with IR	Color: 0.008 @ f/1.2 B/W: 0 with IR	Color: 0.003 @ f/1.2 B/W: 0 with IR
Lens, Field of View (HxV)	Fixed 2.8 mm, 3.6 mm, 6 mm, 8 mm, 12 mm 2.8 mm: H 106° 3.6 mm: H 82° 6 mm: H 51° 8 mm: H 39° 12 mm: H 24°	Fixed 2.8 mm, 3.6 mm, 6 mm 2.8 mm: H 103.5° 3.6 mm: H 82.6° 6 mm: H 54.4°	2.7 to 13.5 mm motorized vari-focal lens, H 108.1° to 45.6°	2.8 to 12 mm motorized vari-focal lens, H 108.1° to 45.6°	2.7 to 13.5 mm motorized vari-focal lens, H 95.7° to 29.1°	2.8 to 12 mm motorized vari-focal lens, H 94° to 32°	2.7 to 13.5 mm motorized varifocal lens, H 92.3° to 29.3°
Day/Night, BLC, WDR	True, Yes, 120 dB	True, Yes, 120 dB	True, Yes, 105 dB	True, Yes, 120 dB	True, Yes, Digital	True, Yes, Digital	True, Yes, 130 dB
IR Range max (meters)	50	40	60	80	40	80	60
OSD Menu via Up-the-Coax (UTC)	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Ratings	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed	IP67, UL/cUL Listed
Operating Temperature Range	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)
Power Requirements (max.)	12V DC ±25%, 4.6 W	12V DC ±30%, PoC.af, 4 W	9V DC to 15V DC, 8.6 W	12V DC ±25%, 14 W	12V DC ±25%, 6.3 W	12V DC ±25%, PoC.at, 8 W	12V DC ± 20%, 24V AC ± 20%, 10.5W
Brackets	PC110T, ABS, CBS	PC110T, CBS, ABS	CBM, ABM	PC130T, CBM, ABM	PC130T, CBM, ABM	PC130T, CBM, ABM	CBM



TurboHD™ ANALOG CAMERAS

	OUTDOOR TURRET	INDOOR FISHEYE	INDOOR CUBE
Model	EXIR 2.0 	EXIR 	EXIR 
	DS-2CE79D3T-IT3ZF	DS-2CC52H1T-FITS	DS-2CE38D8T-PIR
TurboHD Series	Value	Value	Value
Megapixels	2 MP	5 MP	2 MP
Video Out	TVI/AHD/CVI/CVBS	HD-TVI	HD-TVI
HD-TVI Resolution	1920x1080	2560x1944	1920x1080
CVBS Resolution	700TVL	---	---
Min. Illumination (lux)	Color: 0.005 @ f/1.2 B/W: 0 with IR	Color: 0.01 @ f/1.2 B/W: 0 with IR	Color: 0.005 @ f/1.2 B/W: 0 with IR
Lens, Field of View (HxV)	2.7 to 13.5 mm motorized vari-focal lens, H:102° to 31°	1.1 mm, 186°x186°	Fixed, 2.8 mm, 3.6 mm 2.8 mm: 103.5° 3.6 mm: 80.3°
Day/Night, BLC, WDR	True, Yes, 120 dB	True, ---, ---	True, Yes, 120 dB
IR Range max (meters)	70	20	20
OSD Menu via Up-the-Coax (UTC)	Yes	Yes	Yes
Ratings	IP67, UL/cUL Listed	UL/cUL Listed	UL/cUL Listed
Operating Temperature Range	-40° C to 60° C (-40° F to 140° F)	-20° C to 60° C (-4° F to 140° F)	-40° C to 60° C (-40° F to 140° F)
Power Requirements (max.)	12V DC ±25%, 7.7 W	12V DC ±15%, 5.5 W	12V DC ±25%, 5W
Brackets	PC130T, CBM, ABM	WM-C, AB-FE2, PP1, PP2	Included

TurboHD™ ANALOG PTZ CAMERAS - 720p AND 1080p

	INDOOR	
Model		
	DS-2AE4225T-A3	DS-2AE5225T-A3
Video Out	TVI/AHD/CVI/CVBS, selectable	TVI/AHD/CVI/CVBS, selectable
Sensor Size (progressive scan CMOS)	1/2.8" progressive scan CMOS	1/2.8"
Min. Illumination (lux)	Color: 0.005 @ f/1.6, AGC ON B/W: 0.001 @ f/1.6, AGC ON	Color: 0.005 @ f/1.6 B/W: 0 with IR
HD-TVI Resolution	1920x1080	1920x1080
CVBS Resolution	960H	960H
Lens, Field of View (HxV)	4.8 to 120 mm motorized vari-focal lens, 57.6° to 2.5°	4.8 to 120 mm motorized vari-focal lens, 57.6° to 2.5°
Optical Zoom	25x	25x
Pan & Tilt Speed (Manual)	0.1° to 100°/s 0.1° to 80°/s	0.1° to 250°/s 0.1° to 150°/s
Pan & Tilt Speed (Preset)	100°/s 80°/s	250°/s 150°/s
Day/Night, BLC, WDR	True, Yes, 120 dB	True, Yes, 120 dB
IR Range max (meters)	---	---
Ratings	UL/cUL Listed	UL/cUL Listed
Operating Temperature Range	-10° C to 50° C (14° F to 122° F)	-10° C to 50° C (14° F to 122° F)
Power Requirements (max.)	24V AC Max. 14 W	24VA C Max. 18 W
Brackets	Included	Included

TurboHD™ ANALOG PTZ CAMERAS - 720p AND 1080p

	INDOOR	OUTDOOR	OUTDOOR	OUTDOOR IR	OUTDOOR IR
Model					
	DS-2AE5232T-A3	DS-2AE4225T-A	DS-2AE5225T-A	DS-2AE5232T-A	DS-2AE7232TI-A
Video Out	TVI/AHD/CVI/CVBS, selectable	TVI/AHD/CVI/CVBS, selectable	TVI/AHD/CVI/CVBS, selectable	TVI/AHD/CVI/CVBS, selectable	TVI/AHD/CVI/CVBS, selectable
Sesnor Size (progressive scan CMOS)	1/2.8"	1/2.8"	1/2.8"	1/2.8"	1/2.8"
Min. Illumination (lux)	Color: 0.005 @ f/1.6 B/W: 0 with IR	Color: 0.005 @ f/1.6 B/W: 0 with IR	Color: 0.005 @ f/1.6 B/W: 0 with IR	Color: 0.005 @ f/1.6 B/W: 0 with IR	Color: 0.005 @ f/1.6 B/W: 0 with IR
HD-TVI Resolution	1920x1080	1920x1080	1920x1080	1920x1080	1920x1080
CVBS Resolution	960H	960H	960H	960H	960H
Lens, Field of View (HxV)	4.8 to 153 mm motorized vari-focal lens, 55.6° to 2.04°	4.8 to 120 mm motorized vari-focal lens, 57.6° to 2.5°	4.8 to 120 mm motorized vari-focal lens, 57.6° to 2.5°	4.8 to 153 mm motorized vari-focal lens, 54.2° to 1.97° (wide-tele)	4.8 to 153 mm motorized vari-focal lens, 54.2° to 1.97°
Optical Zoom	32x	25x	25x	32x	32x
Pan & Tilt Speed (Manual)	0.1° to 250°/s 0.1° to 150°/s	0.1° to 100°/s 0.1° to 80°/s	0.1° to 250°/s 0.1° to 150°/s	0.1° to 250°/s 0.1° to 150°/s	0.1° to 160°/s 0.1° to 120°/s
Pan & Tilt Speed (Preset)	250°/s 150°/s	100°/s 80°/s	250°/s 150°/s	250°/s 150°/s	160°/s 120°/s
Day/Night, BLC, WDR	True, Yes, 120 dB	True, Yes, 120 dB	True, Yes, 120 dB	True, Yes, 120 dB	True, Yes, 120 dB
IR Range max (meters)	---	---	---	---	150
Ratings	UL/cUL Listed	IP66, UL/cUL Listed	IP66, UL/cUL Listed	IP66, UL/cUL Listed	IP66, UL/cUL Listed
Operating Temperature Range	-10° C to 50° C (14° F to 122° F)	-30° C to 65° C (-22° F to 149° F)	-30° C to 65° C (-22° F to 149° F)	-30° C to 65° C (-22° F to 149° F)	-30° C to 65° C (-22° F to 149° F)
Power Requirements (max.)	24V AC Max. 18 W	24V AC Max. 20 W	24V AC Max. 24 W	24V AC Max. 24 W	24V AC Max. 40 W (IR: 14 W)
Brackets	Included	WMP-L, JBPW-L, CPM-S, CPM-L, RPM	WMP-L, JBPW-L, CPM-S, CPM-L, RPM	WMP-L, JBPW-L, CPM-S, CPM-L, RPM	WMP-L, JBPW-L, CPM-S, CPM-L, RPM



TVI ANALOG CAMERAS - VALUE EXPRESS SERIES

	OUTDOOR BULLET		OUTDOOR TURRET	OUTDOOR BULLET	OUTDOOR DOME	OUTDOOR TURRET		INDOOR PTZ	OUTDOOR PTZ
Model							Model		
	ECT-B12		ECT-T12	ECT-B32V2	ECT-D32V2	ECT-T32V2		EPT-4215-D3	EPT-4215I-D
Megapixels	2 MP			2 MP			Video Out	TVI/AHD/CVI/CVBS,UTC Menu	HD-TVI/CVBS, UTC Menu
Video Out	4 in 1 video output (switchable TVI/AHD/CVI/CVBS); 1 HD analog output			4 in 1 video output (switchable TVI/AHD/CVI/CVBS); 1 HD analog output			Sensor Size (progressive scan CMOS)	1/2.8"	1/2.8"
HD-TVI Resolution	2 MP			2 MP			Min. Illumination (lux)	Color: 0.005 @ f/1.6 B/W: 0 with IR	Color: 0.005 @ f/1.6 B/W: 0 with IR
CVBS Resolution	960H			960H			HD-TVI Resolution	1920x1080	1920x1080
Min. Illumination (lux)	Color: 0.01 @ f/1.2, B/W: 0 with IR			Color: 0.01 @ f/1.2, B/W: 0 with IR			CVBS Resolution	600 TVL	600 TVL
Lens, Field of View (HxV)	2.8 mm: H 103° 3.6 mm: H 80.7° 6 mm: H 50.1°			2.8 to 12 mm varifocal lens, H 111.5° to 33.4°			Lens, Field of View (HxV)	5 to 75 mm, motorized zoom, autofocus, H 53.8° to 4.0°	5 to 75 mm, motorized zoom, autofocus, H 53.8° to 4.0°
Pan/Tilt/Rotation	0° to 360°/ 0° to 180°/0° to 360°	0° to 360°/ 0° to 75°/0° to 360°	0° to 360°/ 0° to 90°/0° to 360°	0° to 355°/ 0° to 75°/0° to 355°	0° to 360°/ 0° to 75°/0° to 360°		Optical Zoom	15x	15x
Day/Night, BLC, WDR	True, Yes, Digital			True, Yes, Digital	True, Yes, Digital	True, Yes, 120 dB	Pan Range	360° endless	360° endless
IR Range max (meters)	20			40			Tilt Range	-5° to 90° (auto flip)	-15° to 90° (auto flip)
Vertical Synchronization	Internal			Internal			Pan & Tilt Speed (Manual)	0.1° to 100°/s & 0.1° to 80°/s	0.1° to 80°/s & 0.1° to 80°/s
OSD Menu via Up-the-Coax (UTC)	Yes			Yes			Pan & Tilt Speed (Preset)	100°/s & 80°/s	80°/s & 80°/s
Ratings	IP66, UL/cUL Listed		IP66, UL/cUL Listed	IP66, IK10 UL/cUL Listed	IP66, IK10 UL/cUL Listed		Day/Night, BLC, WDR	True, Yes, 120 dB	True, Yes, 120 dB
Operating Temperature Range	-40° C to 60° C (-40° F to 140° F)			-40° C to 60° C (-40° F to 140° F)			IR Range max (meters)	---	100m
Power Requirements (max.)	12V DC Max., 4 W		12V DC Max., 5 W	12V DC Max., 4.2 W	12V DC Max., 4.8 W		Presets/Tours/Patterns	256/10/5	256/10/5
Brackets	CBXS	CBXS, PC110T	CBS	SRSL	PC130T, CBT-1, CBM, ABM		Up-the Coax Control	Hikvision-C	Hikvision-C
							RS485 Control	Hikvision, Pelco D/P	Hikvision, Pelco D/P
							Ratings	UL/cUL Listed	IP66, UL/cUL Listed
							Operating Temperature Range	-10° C to 50° C (14° F to 122° F)	-30° C to 65° C (-22° F to 149° F)
							Power Requirements (max.)	12V DC, 12 W	12V DC, 20 W
							Brackets	Included	WMP-L, JBPW, CPM-S, CPM-L, SNB-PV

Complies with ONVIF (Profile S and G), ASAPI. Contact for factory details.
See data sheet for supported analytics.

DIGITAL VIDEO RECORDER COMPARISON CHART



Levels	VALUE EXPRESS	VALUE			PROFESSIONAL		
Key Features	<ul style="list-style-type: none"> Entry-level DVR 3 MP resolution Best price/performance models H.264+ compression Up to 2 MP IPC connectivity 	<ul style="list-style-type: none"> Up to 8 MP resolution Price conscious enhanced performance models Our most popular DVR's Uses the latest video compression (H.265 Pro+) Up to 8 MP IPC connectivity Power over Coax models 			<ul style="list-style-type: none"> Up to 8 MP resolution High performance, fully-loaded project DVR's Extra capacity for larger project application Uses the latest video compression (H.265 Pro+) Up to 12 MP IPC connectivity Supports Point of Sale interface HDD RAID configuration capable 		
Series	ERT-F2xx	72xxHQI	72xxHUI	72xxHTI	73xxHQI	73xxHUI	90xxHUI
Max TVI Resolution	3 MP	2 MP	5 MP	8 MP	2 MP	8 MP	8 MP
Analog input	4/8/16	4/8/16	4/8/16	4/8	8/16/32	8/16/32	8/16/32
Max fps	720p, 30 1080p, 12	720p, 30 1080p, 15	720p, 30 1080p, 30 3 MP, 18 4 MP, 15 5 MP, 12	720p, 30 1080p, 30 3 MP, 18 4 MP, 30 5 MP, 20 8 MP, 12	720p, 30 1080p, 15	720p, 60 1080p, 30 3 MP, 18 4 MP, 15 5 MP, 12 8 MP, 8	720p, 60 1080p, 30 3 MP, 18 4 MP, 15 5 MP, 12 8 MP, 8
Codec	H.264+	H.265 Pro+	H.265 Pro+	H.265 Pro+	H.265 Pro+	H.265 Pro+	H.265 Pro+
IP Video Inputs	1	2, 4 or 8	4, 8 or 16	4 or 8	4, 8 or 16	8 or 16	10 or 18
Max IPC Resolution	1080p	6 MP	8 MP	8 MP	6 MP	8 MP	12 MP
Total Bandwidth (Mbps)	ERT-F204: 60 ERT-F208: 96 ERT-F216: 128	7204: 72 7208: 96 7216: 128	7204: 96 7208: 128	7204: 96 7208: 128	7308: 120 7316: 120 7332: 160	7308: 200 7316: 260 7332: 260	9008, 260 9016, 320 9032, 256
Network Interfaces	1	1	1	1	1	2	2
Internal SATA	1 or 2	1 or 2	1 or 2	1 or 2	4	4	8
Max HDD size	1, 2 or 4 TB (pre-installed)	10 TB	10 TB	10 TB	10 TB	10 TB	10 TB
RAID (0, 1, 5, 6, 10)	---	---	---	---	---	✓	✓
Power over Coax Option	---	✓	✓	---	---	---	---
Point of Sale Interface	---	---	---	---	✓	✓	✓



TurboHD™ Digital Video Recorders

TurboHD Plug and Play DVRs offer several models scalable for small to mid-sized businesses with 4- to 32-channels. All TurboHD DVRs are Tribrid—a true revolution in the professional surveillance market—supporting traditional analog (CVBS), HD-TVI, and IP cameras. Thanks to autosensing technology, installation is extremely easy.

FEATURES

- High performance, fully-loaded project Pro DVRs have extra capacity and RAID for larger project application, up to 12 MP IPC connectivity and support Point-of-Sale (POS) interface.
- Tribrid DVRs include H.265+ video compression, reducing storage requirements.
- On-Screen-Display (OSD) menu available up-the-coax (UTC) for managing camera settings.
- Value Series DVRs are our most popular DVRs and offer budget-priced enhanced performance models, up to 8 MP IPC connectivity and Power over Coax models (PoC).
- Value Express includes DVRs outfitted for 4- and 8-camera systems as kits, and are flexible enough to accommodate your record-keeping needs.



16-Ch TurboHD Tribrid Digital Video Recorder
DS-7216HUI-K2/P

APPLICATION EXAMPLES



Residential



Store front



Supermarkets

TRIBRID DIGITAL VIDEO RECORDERS

	TURBOHD™ 4.0 TRIBRID DVR - PRO SERIES			TURBOHD™ 4.0 TRIBRID DVR - VALUE SERIES
Model				
	DS-9008HUI-K8 DS-9016HUI-K8 DS-9032HUI-K8	DS-7308HUI-K4 DS-7316HUI-K4 DS-7332HUI-K4	DS-7308HUI-K4 DS-7316HUI-K4 DS-7332HUI-K4	DS-7204HTI-K1 DS-7208HTI-K2
Max. Recording Resolution	8 MP	8 MP	2 MP	8 MP
Video Compression	H.265 Pro+/H.265 Pro/H.265/H.264+/H.264	H.265 Pro+/H.265 Pro/H.265/H.264+/H.264	H.265 Pro+/H.265 Pro/H.265/H.264+/H.264	H.265 Pro+/H.265 Pro/H.265/H.264+/H.264
HDMI/VGA Output	4K (3840x2160)/1920x1080 independent 1920x1080/1920x1080 synchronous	4K (3840x2160)/1920x1080 independent 1920x1080/1920x1080 synchronous	4K (3840x2160)/1920x1080 independent 1920x1080/1920x1080 synchronous	4K (3840x2160)/1920x1080 independent 1920x1080/1920x1080 synchronous
Spot Monitor Output (BNC)	Yes	Yes	Yes	Yes
Analog Input	8-Ch/16-Ch/32-Ch 1.0 Vp-p 75 Ω	8-Ch/16-Ch/32-Ch 1.0 Vp-p 75 Ω	8-Ch/16-Ch/32-Ch 1.0 Vp-p 75 Ω	4-Ch/8-Ch 1.0 Vp-p 75 Ω
Video Standard	HDTV/VI/AHD/CVI/CVBS/IP	HDTV/VI/AHD/CVI/CVBS/IP	HDTV/VI/AHD/CVI/CVBS/IP	HDTV/VI/AHD/CVI/CVBS/IP
Audio Input/Output	8-Ch: 8/2 16/32-Ch: 16/2	8/16-Ch: 4/2 32-Ch: 4/1	8/16-Ch: 4/2 32-Ch: 4/1	4-Ch/1-Ch
Alarm Input/Output	16/8	16/4	16/4	4-Ch: 4/1; 8-Ch: 8/4
USB 2.0	Front panel: 2x USB 2.0 Rear panel: 1x USB 3.0	Front panel: 2x USB 2.0 Rear panel: 1x USB 3.0	Front panel: 2x USB 2.0 Rear panel: 1x USB 3.0	Front panel: 1x USB 2.0 Rear panel: 1x USB 3.0
RAID Support	RAID 0, RAID 1, RAID 5, RAID 6, RAID 10	RAID 0, RAID 1, RAID 5, RAID 6, RAID 10	---	---
Internal SATA	8 (up to 10 TB each)	4 (up to 10 TB each)	4 (up to 10 TB each)	4-Ch: 1 (up to 10 TB each) 8-Ch: 2 (up to 10 TB each)
Max Internal Storage	80 TB	40 TB	40 TB	4-Ch: 10 TB; 8-Ch: 20 TB
Support DVD-RW	Yes, replaces 4x SATA	Yes, replaces 2x SATA	Yes, replaces 2x SATA	---
Max. fps	720p, 60 1080p, 30 3 MP, 18 4 MP, 15 5 MP, 12	720p, 60 1080p, 30 3 MP, 18 4 MP, 15 5 MP, 12 8 MP, 8	720p, 60 1080p, 30 3 MP, 15 4 MP, 15	720p, 60 1080p, 30 3 MP, 18 4 MP, 30 5 MP, 20 8 MP, 12
Max. Analog (CVBS) Resolution	WD1 (960H)	WD1 (960H)	WD1 (960H)	WD1 (960H)
Hikvision IP Camera Support	8-Ch: 10-Ch up to 12 MP (Up to 18-Ch) 16-Ch: 18-Ch up to 12 MP (Up to 34-Ch) 32-Ch: 32-Ch up to 12MP (Up to 64-Ch)	8-Ch: 8-Ch up to 8 MP (Up to 16-Ch) 16-Ch: 16-Ch up to 8 MP (Up to 32-Ch) 32-Ch: 16-Ch up to 8 MP (Up to 48-Ch)	8-Ch: 4-Ch up to 6 MP (Up to 12-Ch) 16-Ch: 8-Ch up to 6 MP (Up to 24-Ch) 32-Ch: 16-Ch up to 6 MP (Up to 48-Ch)	4-Ch: 4-Ch up to 8 MP (up to 8-Ch) 8-Ch: 8-Ch up to 8 MP (up to 16-Ch)
Front Panel Control	Yes	Yes	Yes	No
Turbo-channel VCA (Video Content Analysis)	All channels	All channels	2-ch	All channels
Max Incoming/Outgoing Bandwidth (Mbps)	8-Ch: 260 16/32-Ch: 320/256	8/16-Ch: 200 32-Ch: 260	8/16-Ch: 120 32-Ch: 160	4-Ch: 96 8-Ch: 128
Ratings	UL/cUL Listed	UL/cUL Listed	UL/cUL Listed	UL/cUL Listed
Rack Units	2	1.5	1.5	4-Ch: Standalone 1U; 8-Ch: 1
Power Requirements	8-Ch: 100 to 240 VAC, ≤45 W without HDD 16-Ch: 100 to 240 VAC, ≤65 W without HDD 32-Ch: 100 to 240 VAC, ≤74 W without HDD	8-Ch: 100 to 240V AC, ≤45 W without HDD 16-Ch: 100 to 240V AC, ≤65 W without HDD 32-Ch: 100 to 240V AC, ≤74W without HDD	8-Ch: 100 to 240V AC, ≤40 W without HDD 16-Ch: 100 to 240V AC, ≤55 W without HDD 32-Ch: 100 to 240V AC, ≤45 W without HDD	12V DC, ≤15 W without HDD

Standards: Complies with ONVIF (Profile S), CGI ISAPI. Contact factory for details.



TRIBRID DIGITAL VIDEO RECORDERS

TURBOHD™ 4.0 TRIBRID DVR - VALUE SERIES

Model				
	DS-7204HUI-K1/P DS-7208HUI-K2/P DS-7216HUI-K2/P	DS-7204HQI-K1/P DS-7208HQI-K2/P DS-7216HQI-K2/P	DS-7204HUI-K1 DS-7208HUI-K2 DS-7216HUI-K2	DS-7204HQI-K1 DS-7208HQI-K2 DS-7216HQI-K2
Max. Recording Resolution	5 MP	2 MP	5 MP	2 MP
Video Compression	H.265 Pro+/H.265 Pro/H.265/H.264+/H.264	H.265 Pro+/H.265 Pro/H.265/H.264+/H.264	H.265 Pro+/H.265 Pro/H.265/H.264+/H.264	H.265 Pro+/H.265 Pro/H.265/H.264+/H.264
HDMI/VGA Output	4-Ch: 2560×1440/1920×1080 synchronous 8-Ch: 3480×2160/1920×1080 synchronous 16-Ch: 3480×2160/1920×1080 synchronous	4/8-Ch: 1920×1080 16-Ch: 3480×2160/1920×1080 synchronous	4-Ch: 2560×1440/1920×1080 synchronous 8-Ch: 3480×2160/1920×1080 synchronous 16-Ch: 3480×2160/1920×1080 synchronous	4/8-Ch: 1920×1080 16-Ch: 3480×2160/1920×1080 synchronous
Spot Monitor Output (BNC)	Yes	Yes	Yes	Yes
Analog Input	4-Ch/8-Ch/16-Ch 1.0 Vp-p, 75 Ω	4-Ch/8-Ch/16-Ch 1.0 Vp-p, 75 Ω	4-Ch/8-Ch/16-Ch 1.0 Vp-p, 75 Ω	4-Ch/8-Ch/16-Ch 1.0 Vp-p, 75 Ω
Video Standard	HDTV/1/AHD/CVI/CVBS/IP	HDTV/1/AHD/CVI/CVBS/IP	HDTV/1/AHD/CVI/CVBS/IP	HDTV/1/AHD/CVI/CVBS/IP
Audio Input/Output	4-Ch/1-Ch	1/1	4-Ch/1-Ch	1/1
Alarm Input/Output	4/16-Ch: 4/1 8-Ch: 8/4	---	4-Ch: 4/1 8-Ch: 8/4 16-Ch: 16/4	---
USB 2.0	4-Ch: 2x USB 2.0 8/16-Ch: Front panel: 1x USB 2.0, Rear panel: 1x USB 3.0	4/8-Ch: 2x USB 2.0 16-Ch: Front panel: 1x USB 2.0, Rear panel: 1x USB 3.0	4-Ch: 2x USB 2.0 8/16-Ch: Front panel: 1x USB 2.0, Rear panel: 1x USB 3.0	4/8-Ch: 2x USB 2.0 16-Ch: Front panel: 1x USB 2.0, Rear panel: 1x USB 3.0
RAID Support	---	---	---	---
Internal SATA	4-Ch: 1 (up to 10 TB each) 8/16-Ch: 2 (up to 10 TB each)	4-Ch: 1 (up to 10 TB each) 8/16-Ch: 2 (up to 10 TB each)	4-Ch: 1 (up to 10 TB each) 8/16-Ch: 2 (up to 10 TB each)	4-Ch: 1 (up to 10 TB each) 8/16-Ch: 2 (up to 10 TB each)
Max Internal Storage	4-Ch: 10 TB; 8/16-Ch: 20 TB	4-Ch: 10 TB; 8/16-Ch: 20 TB	4-Ch: 10 TB; 8/16-Ch: 20 TB	4-Ch: 10 TB; 8/16-Ch: 20 TB
Support DVD-RW	---	---	---	---
Max. fps	720p, 30 1080p, 30 3 MP, 18 4 MP, 15 5 MP, 12	720p, 30 1080p, 15	720p, 30 1080p, 30 3 MP, 18 4 MP, 15 5 MP, 12	720p, 30 1080p, 15
Max. Analog (CVBS) Resolution	WD1 (960H)	WD1 (960H)	WD1 (960H)	WD1 (960H)
Hikvision IP Camera Support	4-Ch: 4-Ch up to 8 MP (up to 8-Ch) 8-Ch: 8-Ch up to 8 MP (up to 16-Ch) 16-Ch: 16-Ch up to 8 MP (up to 32-Ch)	4-Ch: 2-ch up to 6 MP (up to 6-Ch) 8-Ch: 4-Ch up to 6 MP (up to 12-Ch) 16-Ch: 8-Ch up to 6 MP (up to 24-Ch)	4-Ch: 4-ch up to 8 MP (up to 8-Ch) 8-Ch: 8-ch up to 8 MP (up to 16-Ch) 16-Ch: 16-ch up to 8 MP (up to 32-Ch)	4-Ch: 2-Ch up to 6 MP (up to 6-Ch) 8-Ch: 4-Ch up to 6 MP (up to 12-Ch) 16-Ch: 8-Ch up to 6 MP (up to 24-Ch)
Front Panel Control	No	No	No	No
Turbo-channel VCA (Video Content Analysis)	All channels	2-ch	All channels	2-Ch
Max Incoming/Outgoing Bandwidth (Mbps)	4-Ch: 96 8/16-Ch: 128	4-Ch: 72 8-Ch: 96 16-Ch: 128	4-Ch: 96 8/16-Ch: 128	4-Ch: 72 8-Ch: 96 16-Ch: 128
Ratings	UL/cUL Listed	UL/cUL Listed	UL/cUL Listed	UL/cUL Listed
Rack Units	4-Ch: Standalone 1U; 8/16-Ch: 1	4-Ch: Standalone 1U; 8/16-Ch: 1	4-Ch: Standalone 1U; 8/16-Ch: 1	4-Ch: Standalone 1U; 8/16-Ch: 1
Power Requirements	4-Ch: 48V DC, ≤40 W without HDD 8-Ch: 48V DC, ≤60 W without HDD 16-Ch: 48V DC, ≤140 W without HDD	4-Ch: 48V DC, ≤40 W without HDD 8-Ch: 48V DC, ≤60 W without HDD 16-Ch: 48V DC, ≤120 W without HDD	4-Ch: 12V DC, ≤10 W without HDD 8-Ch: 12V DC, ≤20 W without HDD 16-Ch: 12V DC, ≤25 W without HDD	4-Ch: 12V DC, ≤6 W without HDD 8-Ch: 12V DC, ≤7.5 W without HDD 16-Ch: 12V DC, ≤25 W without HDD

DIGITAL VIDEO RECORDERS - VALUE EXPRESS SERIES

DVR			
Model			
	ERT-F2041 (1 TB) ERT-F2042 (2 TB)	ERT-F2082 (2 TB) ERT-F2084 (4 TB)	ERT-F2162 (2 TB) ERT-F2164 (4 TB)
Max. Recording Resolution	3 MP	3 MP	3 MP
Video Compression	H.264+/H.264	H.264+/H.264	H.264+/H.264
HDMI/VGA Output	1920x1080	1920x1080	3840x2160, 2560x1440, 1920x1080/2560x1440, 1920x1080
Analog Input	4-Ch, 1.0 Vp-p, 75 Ω	8-Ch, 1.0 Vp-p, 75 Ω	16-Ch, 1.0 Vp-p, 75 Ω
Video Standard	HD-TVI/AHD/HDCVI/CVBS/IP	HD-TVI/AHD/HDCVI/CVBS/IP	HD-TVI/AHD/HDCVI/CVBS/IP
Audio Input/Output	1-ch/1-ch	1-ch/1-ch	1-ch/1-ch
USB 2.0	2x USB 2.0	2x USB 2.0	2x USB 2.0
Internal SATA	Preloaded HDD configurations	Preloaded HDD configurations	Preloaded HDD configurations
Max Internal Storage	1 and 2 TB models	2 and 4 TB models	2 and 4 TB models
Max. fps	720p, 30 1080p, 12	720p, 30 1080p, 12	720p, 30 1080p, 12
Max. Analog (CVBS) Resolution	960H	960H	960H
Hikvision IP Camera Support	1-ch up to 1080p	2-ch up to 1080p	2-ch up to 1080p
OSD Menu-Up-the-Coax	Yes	Yes	Yes
Smart Play	Yes	Yes	Yes
Max Incoming/Outgoing Bandwidth (Mbps)	60	96	128
Ratings	UL/cUL Listed	UL/cUL Listed	UL/cUL Listed
Rack Units	1	1	1
Power Requirements	12V DC, 8 W	12V DC, 12 W	12V DC, 20 W

TurboHD™ ACCESSORY

TURBOHD™ LOOPING PANEL	
Model	 DS-1TLP16I
Video in	16-ch, BNC connector
Signal format	CVBS, HDTV and AHD
Video out	16-ch, BNC connector
Loop out	16-ch, BNC connector
Signal format	CVBS, HDTV and AHD
Transmission distance	CVBS, 720p: Up to 500 m (input and output cable combined) 1080p: Up to 300 m (input and output cable combined)
Power supply	1x 12V DC (2-pin connector)/1x USB
Power consumption	≤3.6 W
Operating temperature	-10° C to 55° C (14° F to 131° F)
Operating humidity	10% to 90%
Dimensions (WxDxH)	315 x 100 x 52 mm (12.4 x 3.9 x 2.0")
Weight	≤1.5 kg (3.3 lbs)



TurboHD™ Kits



Hikvision now offers complete recorder and camera kits for single-site applications. The kits contain a recorder and multiple cameras in a single box, suitable for DIY applications such as a residences or a small businesses. These TurboHD Kits include 4- and 8-channel recorders along with 4 and 6 cameras respectively.

FEATURES

- Includes 1080p cameras with 2.8mm lens.
- Record up to 2 MP resolution analog cameras.
- Up-the-Coax camera menu programming.
- Auto-detect HD-TVI/CVBS inputs.
- Installed 1 or 2 TB HDD included.



T7108Q2TA

Includes six 1080p Outdoor IR Turrets (DS-2CE56D0T-IR) and one 8-channel DVR (DS-7108HQHI-F1/NB)
*See page 73 for specs



T7108Q2TB

Includes six 1080p Outdoor IR Domes (DS-2CE56D7T-VPIT) and one 8-channel DVR (DS-7108HQHI-F1/NB)
*See page 73 for specs



EKT-K41T24 **NEW**

Includes four 2 MP TurboHD Turret Cameras (ECT-T12F2) and one 2 MP 4-Channel DVR (DVR-204Q-K1)
*See page 73 for specs



EKT-K82T26 **NEW**

Includes six 2 MP TurboHD Turret Cameras (ECT-T12F2) and one 2 MP 8-Channel DVR (DVR-208Q-K1)
*See page 73 for specs



T7204U1TA4 **NEW**

Includes four 2 MP TurboHD Turret Cameras (DS-2CE56H0T-ITMF) and one 5 MP 4-Channel DVR (DS-7204HUI-K1)
*See page 73 for specs



T7208U2TA6 **NEW**

Includes six 2 MP TurboHD Turret Cameras (DS-2CE56H0T-ITMF) and one 5 MP 8-Channel DVR (DS-7208HUI-K2)
*See page 73 for specs

TurboHD™ KITS - CAMERAS AND DIGITAL VIDEO RECORDERS

	OUTDOOR TURRET	OUTDOOR DOME	OUTDOOR IR TURRET	OUTDOOR TURRET	DVR			
Model			 NEW			 NEW		
	DS-2CE56D0T-IR	DS-2CE56D7T-VPIT	ECT-T12F2	DS-2CE56H0T-ITMF	DS-7108HQHI-F1/NB	DVR-204Q-K1 DVR-208Q-K1	DS-7204HUI-K1 DS-7208HUI-K2	
Min. Illumination (lux)	Color: 0.028 @ f/2.0, B/W: 0 with IR	Color: 0.034 @ f/2.0, B/W: 0 with IR	Color: 0.01 @ f/1.2, B/W: 0 with IR	Color: 0.01 @ f/1.2 B/W: 0 with IR	2 MP	4 MP	5 MP	
HD-TVI Resolution	1080p	1080p	1080p	5 MP	H.264	H.265 Pro+/H.265 Pro/ H.265/H.264+/H.264	H.265 Pro+/H.265 Pro/ H.265/H.264+/H.264	
Lens, Field of View (HxV)	Fixed 2.8 mm @ f/2.0 2.8 mm: 103° 3.6 mm: 82.2° 6 mm: 54°	Fixed 2.8 mm @ f/2.0 2.8 mm: 103° 3.6 mm: 82.2° 6 mm: 54°	Fixed 2.8 mm, 3.6 mm, 6 mm @ f/1.2, 103°	Fixed 2.8 mm, 3.6 mm, 6 mm 2.8 mm: 85.5° 3.6 mm: 80.1° 6 mm: 57.1°	1920x1080/60Hz, 1280x1024/60 Hz, 1280x720/60Hz, 1024x768/60Hz	4K (3840x2160)/30Hz, 2K (2560x1440)/60Hz, 1920x1080/60Hz, 1280x1024/60Hz, 1280x720/60Hz, 1024x768/60Hz	4-ch: 2560x1440/1920x1080 synchronous 8-ch: 3480x2160/1920x1080 synchronous	
Day/Night, BLC, WDR	True, Yes, 120 dB	True, Yes, 120 dB	True (ICR), Yes, DWDR	True, Yes, Digital	8-Ch 1.0 Vp-p, 75 Ω	204Q-K1: 4-Ch 1.0 Vp-p, 75 Ω 208Q-K1: 8-Ch 1.0 Vp-p, 75 Ω	7204: 4-Ch 1.0 Vp-p, 75 Ω 8-Ch 1.0 Vp-p, 75 Ω	
IR Range (meters)	20	20	20	20	HD-TVI/CVBS (auto-detect)	HDTVI/AHD/CVI/CVBS/IP	HDTVI/AHD/CVI/CVBS/IP	
OSD Menu	Yes, over UTC	Yes, over UTC	Yes, over UTC	Yes, over UTC	1-ch, RCA (linear, 1K Ω)	1-ch, RCA (linear, 1K Ω)	1-ch, RCA (linear, 1K Ω)	
Ratings	IP66, UL/cUL Listed	IK10, IP66, UL/cUL Listed	P66, UL/cUL Listed	IP67, UL/cUL Listed	2x USB 2.0	2xUSB 2.0	2xUSB 2.0	
Operating Temperature Range	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	-40° C to 60° C (-40° F to 140° F)	Preloaded HDD configurations	Preloaded HDD configurations	Preloaded HDD configurations	
Power Requirements (max.)	12V DC, 1 W	12V DC, 5 W	12 VDC,4W	12 VDC ±25%, 4.3W	Internal SATA	Internal SATA	Internal SATA	
Brackets	PC110T, CBXS	AB110, PC110, CB110, WM110	---	---	Internal Storage	Internal Storage	Internal Storage	
					2 TB	1 TB 2 TB	1 TB	
					Max. fps 720p/1080p HD-TVI	12fps with included cameras	30fps with included cameras	30fps with included cameras
					Hikvision IP Camera Support	2-ch 2 MP	204Q-K1: 4-ch (up to 12-ch) 6MP 208Q-K1: 8-ch (up to 24-ch) 6MP	7204: 4-ch (up to 8-ch) 8 MP 4-ch (up to 8-ch) 8 MP
					OSD Menu-Up-the-Coax	Yes	Yes	Yes
					Ratings	UL/cUL Listed	UL/cUL Listed	UL/cUL Listed
					Power Requirements	12V DC, ≤12 W	204Q-K1: 12V DC, ≤ 12 W 208Q-K1: 12V DC, ≤ 20 W	12 VDC, ≤ 10 W



ACCESSORIES

MONITOR						
Model						
	DS-D5019QE-B	DS-D5022QE-B	DS-D5022FC	DS-D5024FC	DS-D5032QE	DS-D5032FL-B
Bezel Material	Plastic	Plastic	Plastic	Plastic	Plastic	Metal
Working Time	24/7	24/7	24/7	24/7	24/7	24/7
Display Type	LED-Backlit TFT LCD	LED-Backlit	LED-Backlit TFT LCD	LED-Backlit	LED Backlight	LED Backlight
Screen Size	18.5"	21.5"	21.5"	23.6"	31.5"	31.5"
Max Resolution	1366x768	1920x1080	1920x1080	1920x1080	1920x1080 @ 60Hz	1920x1080
Brightness	200cd/m ² (Typical)	250cd/m ² (Typical)	250cd/m ² (Typical)	250cd/m ² (Typical)	300cd/m ² (typical)	400cd/m ² (Typical)
Contrast	600:1	1000:1	1000:1	1000:1 (Typical) DCR 30,000,000:1	1400: 1 (Typical)	3000:01:00
Response Time	5 ms	5 ms	5 ms	5 ms	8 ms	10 ms
Color	16.7 M	16.7 M	16.7 M	16.7 M	16.7 M	16.7 M
Viewing Angle	Horizontal 90° Vertical 65°	Horizontal 170° Vertical 160°	Horizontal 170° Vertical 160°	Horizontal 170° Vertical 160°	Horizontal 178° Vertical 178°	Horizontal 178° Vertical 178°
Inputs	1x HDMI, 1x VGA	1x HDMI, 1x VGA	1x HDMI, 1x VGA, 1x BNC, 1x USB	1x HDMI, 1x VGA, 1x BNC	1x HDMI, 1x VGA	1x HDMI, 1x VGA, 1x BNC, 1x USB 2.0
Outputs	---	---	BNC	BNC	---	1x BNC
Audio input/Output	---	---	1x 3.5 mm mini-jack	1x 3.5 mm mini-jack, 1x RCA type	1	1/1
Speaker	---	---	2 W x 2	2 W x 2	5W*2	3W*2
VESA Mount	75 mm x 75 mm	100 mm x 100 mm	100 mm x 100 mm	100 mm x 100 mm	M4, 100 mm x 100 mm	4-M6, 200 mm x 200 mm
Dimensions (WxHxD)	445.58 x 274.99 x 44.6 mm (17.5 x 10.8 x 1.7")	511 x 313 x 170 mm (20.1 x 12.3 x 6.7")	511.4 x 313 x 45.4 mm (20.1 x 12.3 x 1.8")	561 x 339 x 218.5 mm (22.1 x 13.3 x 8.6")	727x474x64 mm(with base)/ 727x424x64 mm	737.4x452.5x70.65 mm
Weight	3.5 Kg(Gross weight) , 2.8 Kg(Net weight)	4.5 Kg(Gross weight), 3.3 Kg(Net weight)	4.6 Kg (Gross weight) , 3.2 Kg (Net weight)	6.0Kg(Gross weight) , 5.1Kg(Net weight)	6.763 kg (Gross weight), 5.09 kg (Net weight)	19 kg (Gross weight), 12 kg (Net weight)

ACCESSORIES

	MONITOR		IP PVM MONITOR		MONITOR	
Model			 <small>*Integrated 2 MP Camera</small>			
	DS-D5032FC-A	DS-D5032FL	DS-D5032FL-C	DS-D5043FL-B	DS-D5055UC	DS-D5055UL-B
Bezel Material	Plastic	Metal	Metal	Metal	Plastic	Metal
Working Time	24/7	24/7	24/7	24/7	24/7	24/7
Display Type	TFT-LED Backlight	LED-Backlit TFT LCD	LED Backlight	LED Backlight	D-LED	LCD Backlight
Screen Size	31.5"	31.5"	31.5"	43"	54.6"	54.6"
Max Resolution	1920x1080	1920x1080	1920x1080	1920x1080	3840 * 2160	3840x2160
Brightness	300cd/m ²	400cd/m ² (Typical)	400cd/m ²	500 nit	400cd/m ² (Typical)	500cd/m ²
Contrast	1000:1	3000:1	3000:1	100000: 1(Dynamic)	1200:01:00	1100:1
Response Time	8 ms	6.5 ms	6.5 ms	8 ms	8 ms	8 ms
Color	16.7 M	16.7 M	16.7 M	8 bit	1.07billion	16.7 M
Viewing Angle	Horizontal 178° , Vertical 178°	Horizontal 178° Vertical 178°	Horizontal 178° , Vertical 178°	Horizontal 178° , Vertical 178°	Horizontal 178° , Vertical 178°	Horizontal 178° , Vertical 178°
Inputs	1x HDMI, 1x VGA, 1x BNC, 1x DVI, 1x USB	1x HDMI, VGA, DVI, BNC, USB	1x HDMI, 1x VGA, 1x LAN, 1x USB 2.0	1xHDMI,1x VGA, 1xBNC, 1xDVI	2x HDMI 2.0, 1x VGA, 1x USB3.0, 1x USB2.0, 1x RS232, 1x LAN	2x HDMI, 1x VGA, 1x BNC, 1x DVI, 1x CVBS
Outputs	1x BNC	---	---	1xBNC	---	1x CVBS
Audio input/Output	1x 3.5 mm mini-jack	1x 3.5 mm mini-jack	1x 3.5 mm mini-jack	1/1	1	1
Speaker	2 W x 2,6Ω	3 W x 2	---	3Wx2	8W*2	5W x 2
VESA Mount	100x100 mm	200x200 mm	200x200 mm	400 (H) x 300 (V) mm (15.04 x 11.81 inch)	400x200 mm/400x400 mm	4-M6 200 mm * 300 mm
Dimensions (WxHxD)	728.8 x 526 x 167.2 mm (28.7 x 20.7 x 6.6")	737.4 x 452.5 x 70.65 mm (29 x 17.8 x 2.78")	737.4 x 508 x 74.9 mm (29 x 20 x 2.9")	998.78 x 590.52 x 78.24 mm	1239.2x711.6x61.7 mm	1262.1 mm(W)*742.9 mm(H)*55.7 mm(D)
Weight	9.25 Kg(Grossweight) , 5.75 Kg(Net weight)	19 Kg(Grossweight), 12 Kg(Net weight)	18 kg (39.7 lbs)	"21 Kg (46.3 lb.) 23 Kg (50.71 lb.)"	20.7 kg (Gross weight), 16 kg (Net weight)	≤35 kg (77 lbs)



ACCESSORIES

	UNMANAGED ETHERNET SWITCH	UNMANAGED ETHERNET POE SWITCH	UNMANAGED GIGABIT ETHERNET POE SWITCH	POE WEB-MANAGED ETHERNET SWITCH	FULL MANAGED ETHERNET POE SWITCH
Model	 <i>*Model sizes vary</i>	 <i>*Model sizes vary</i>	 <i>*Model sizes vary</i>	 <i>*Model sizes vary</i>	 <i>*Model sizes vary</i>
	DS-3E0508-E DS-3E0516-E DS-3E0524-E	DS-3E0105P-E2 DS-3E0109P-E2 DS-3E0318P-E2 DS-3E0326P-E2	DS-3E0505P-E DS-3E0510P-E DS-3E0518P-E DS-3E0526P-E	DS-3E1310P-E DS-3E1318P-E DS-3E1326P-E	DS-3E2310P DS-3E2318P DS-3E2326P
Type	Unmanaged	Unmanaged	Unmanaged	Web-Managed	Full managed
Ports	8/16/24 Gigabit Ethernet Ports, 1/2/2 Port uplink	4/8/16/24 Fast Ethernet PoE Ports, 1 Fast/1 Fast/2 Gig/2 Gigabit combo Ports	4/8/16/24 Gigabit PoE Ports, 1 /1 /1/1 Gigabit RJ45 Ports, -1/1/1 Gig SFP fiber Optical Port	8/16/24 Fast Ethernet Ports, 2 Gig/2 Gig/2 Gig uplink	8/16/24 100M Base-T Ports+2 Gigabit Combo Ports
Forwarding	Ethernet: 14881 pps one port Fast Ethernet: 148810 pps one port Gigabit Ethernet: 1488100 pps one port	0.744/1.339/5.356/6.547 Mpps	7.44/14.88/26.784/38.688 Mpps	1.34/5.36/6.55 Mbps	5.6M/8.4/9.6Mpps
Backplane	16/32/48 Gbps	1/1.8/7.2Gbps /8.8 Mpps	10/20/36/52 Gbps	5.4/7.2/8.8 Gbps	10/21.2/22.8 Gbps
PoE Budget	---	60/115/230/370 W	60/110/230/370 W	123/230/370 W	125/300/380 W
Standards	Compliant with IEEE802.3, IEEE802.3u, IEEE802.3X, IEEE802.3ab Ethernet standards	IEEE802.3, IEEE802.3u, IEEE802.3x	IEEE 802.3, IEEE 802.3u, IEEE 802.3x, IEEE 802.3ab, IEEE 802.3z	Web-managed (Web-managed: VLAN, Port Mirroring, SNMP), Plug-and-play installation, IEEE802.3x full duplex, Optional 250m extended transmission mode	Full Managed, IEEE 802.1D STP, IEEE 802.1w RSTP, IEEE 802.1s MSTP, Port-based VLAN, 802.1Q tag VLAN, GVRP dynamic VLAN configuration. IGMP snooping, Static/LACP link aggregation EAPS and ERPS IEEE 802.1x port-based user authentication Port Security
Power Requirements (max.)	100-240 V AC, 50/60 Hz, 0.3 A 100-240 V AC, 50/60 Hz 100-240 V AC, 50/60 Hz	48V DC, 1.35A 48V DC, 2.5A 100-240V AC,50/60Hz 4 A Max 100-240V AC, 50/60Hz 6.5 A Max	48V DC, 1.35A 48V DC, 2.5A 100-240V AC,50/60Hz, 4 A Max 100-240V AC,50/60Hz, 6.5 A Max	AC: 100-240V 50/60Hz (≤150 W), AC: 100-240V 50/60Hz (≤250 W), AC: 100-240V 50/60Hz (≤440W)	AC: 100V-240V, 50Hz±10% (<15 W), AC: 100V-240V, 50Hz±10% (<15 W), AC: 100V-240V, 50Hz±10% (<15 W)

ACCESSORIES

ENCODERS						
Model						
	DS-6708HQHI-SATA	DS-6716HQHI-SATA	DS-6701HWI	DS-6704HWI	DS-6708HWI	DS-6716HWI
Frame Rate (fps)	30	30	30	30	30	30
Multi-Streaming	Yes	Yes	Yes	Yes	Yes	Yes
Video Input	8-ch, BNC (1.0 Vp-p, 75 Ω)	16-ch, BNC (1.0 Vp-p, 75 Ω)	1-ch, BNC (1.0 Vp-p, 75 Ω)	4-ch, BNC (1.0 Vp-p, 75 Ω)	8-ch, BNC (1.0 Vp-p, 75 Ω)	16-ch, BNC (1.0 Vp-p, 75 Ω)
Video Output	H.264/MPEG4 TCP/IP	H.264/MPEG4 TCP/IP	H.264/MPEG4 TCP/IP	H.264/MPEG4 TCP/IP	H.264/MPEG4 TCP/IP	H.264/MPEG4 TCP/IP
Network Interface	1 RJ-45 10/100/1000 Mbps Ethernet	1 RJ-45 10/100/1000 Mbps Ethernet	1 RJ-45 10/100 Mbps Ethernet (PoE)	1 RJ-45 10/100 Mbps Ethernet (PoE)	1 RJ-45 10/100/1000 Mbps Ethernet	1 RJ-45 10/100/1000 Mbps Ethernet
Storage	2 SATA interfaces (up to 6 TB each)	2 SATA interfaces (up to 6 TB each)	---	---	---	---
Audio Input/Output	4/1	4/1	1/1	4/1	8/1	16/1
Voice Talk Input	---	---	1-ch	1-ch	1-ch	1-ch
Alarm Input/Output	8/4	16/4	1/1	4/2	8/4	16/4
RS-232	---	---	---	Yes	Yes	Yes
RS-485	Yes	Yes	Yes	Yes	Yes	Yes
Resolution In	HD-TVI: 8-ch 30 fps @ 1080p and 720p	HD-TVI: 16-ch 30 fps @ 1080p and 720p	WD1 (960H)/4CIF/2CIF/CIF/qCIF	WD1 (960H)/4CIF/2CIF/CIF/qCIF	WD1 (960H)/4CIF/2CIF/CIF/qCIF	WD1 (960H)/4CIF/2CIF/CIF/qCIF
Resolution Out	---	---	---	---	---	---
Ratings	UL/cUL Listed	UL/cUL Listed	UL/cUL Listed	UL/cUL Listed	UL/cUL Listed	UL/cUL Listed
Power Requirements	12V DC ≤30 W without HDD	12V DC ≤45 W without HDD	12V DC, ≤5 W	12V DC, ≤7 W	12V DC ≤10 W	12V DC ≤22 W

Standards: Complies with ONVIF (Profile S), CGI ISAPI. Contact factory for details. Command Protocols: Hikvision and Pelco D/P protocols

IP Video Intercom Solutions

Hikvision's new IP Video Intercom line is a simple and complete solution for customers in need of two-way audio and entranceway video verification. A full system consists of a video door station such as the DS-KD8003-IME1/ Surface, and an indoor station such as the DS-KH8350-WTE1, each powered and networked by a standard PoE switch. The user conveniently answers the door at the indoor station, and can unlock the door with a simple push of a button. The system is also fully integrated with the Hik-Connect app to provide the user with full access to their door from virtually anywhere, anytime.

Combining convenience and versatility, the Hikvision IP Video Intercom system propels home and business interactive video security one step further.

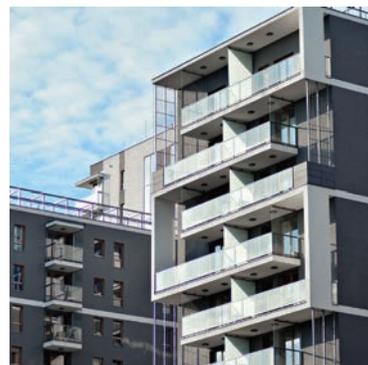
FEATURES

- Fully integrated with the Hik-Connect cloud platform and smartphone app, an indoor station can ring its owner's phone when a visitor is at the door, then let the owner decide to open the door using a simple tap on their smartphone or tablet.
- Multiple door stations can be programmed to be answered by multiple indoor stations.
- The Modular IP Video Intercom Kit (DS-KIS602) bundles a door station, indoor station, MicroSD card and a PoE switch.
- The Two-Wire Intercom Kit (DS-KIS701) bundles a door station, indoor station and power/data distributor.
- IR LED located near the camera lens ensures the camera can see visitors even in poorly-lit areas.
- All door and indoor stations are managed via network cables or two-conductor cables, making both physical connections and software management easy to perform.

Wi-Fi Video Intercom Indoor Station
DS-KH6320-WTE1



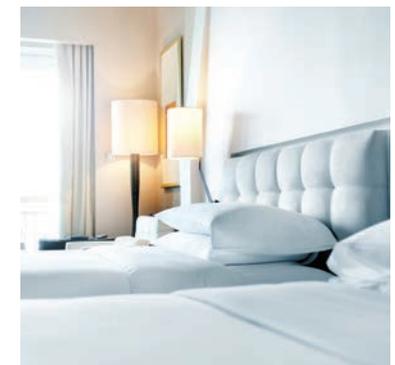
APPLICATION EXAMPLES



Condo



Apartment unit



Hotel



IP VIDEO INTERCOM

	RUGGED DOOR STATION	EXPANDABLE DOOR STATION		INDOOR STATION	
Model					 NEW
	DS-KB8112-IM	DS-KD8003-IME1/Surface	DS-KD8003-IME1/Flush	DS-KH8350-WTE1	DS-KH6320-WTE1
Mobile Calling	<ul style="list-style-type: none"> • Calls indoor stations • Calls Hik-Connect app • Calls Hik-Connect app with/without indoor station 	<ul style="list-style-type: none"> • Calls indoor stations • Calls Hik-Connect mobile app via indoor station 		<ul style="list-style-type: none"> • Calls other indoor stations • Relays door station call to Hik-Connect mobile app • Calls iVMS-4200 Center 	<ul style="list-style-type: none"> • Calls other indoor stations • Relays door station call to Hik-Connect mobile app • Calls iVMS-4200 Center
Camera/Display	1.3 MP, 80°×44° FOV, 15 ft IR	2 MP, 180°×96° FOV, 10 ft IR, WDR		Premium Glass Touchscreen, 7 in IPS LCD, 1024×600, Aluminum Frame	Touchscreen, 7 in TFT LCD, 1024×600, Plastic Frame
Video Compression	H.264	H.264		H.264	H.264
Physical Buttons	1 Call Button	1 with Name Tag		1 Unlock Button	---
Lock Relay	1 (12V, 1 A max.)	2 (30 V, 1 A max. each)		---	---
Max. Extensions	8 Door Station Extensions	8 Door Station Extensions		5 Indoor Extensions	5 Indoor Extensions
Network Protocol	10/100 Mbps TCP/IP, RTSP, RTP, ISAPI, NTP, HTTP, HTTPS, DHCP, FTP, SMTP	10/100 Mbps TCP/IP, RTSP		10/100 Mbps TCP/IP, RTSP	10/100 Mbps TCP/IP, RTSP
Network Interface	RJ45	RJ45		RJ45, Wi-Fi (802.11b/g/n)	RJ45, Wi-Fi (802.11b/g/n)
Module I/O	---	1		Supports SDHC 32 GB Max.	Supports SDHC 32 GB Max.
Tamper Alarm	---	Yes		---	---
Sensor/Alarm Inputs	1	4		8	8
Power Requirements (max.)	12V DC, PoE (802.3af), ≤12 W	12V DC, PoE (802.3af), ≤10 W		12V DC, PoE (802.3af), ≤7 W	12V DC, PoE (802.3af), ≤6 W
Working Temperature	-30° C to 50° C (-22° F to 122° F)	-40° C to 55° C (-40° F to 131° F)		-10° C to 55° C (14° F to 131° F)	-10° C to 55° C (14° F to 131° F)
Ratings	UL60950, IK9, IP66	UL60950, IP65		UL 60950	UL 60950
Dimension (H×W×D)	161.9 x 74.1 x 53.2 mm (6.37 x 2.92 x 2.09 in)	98 x 99.8 x 43.9 mm (3.86 x 3.93 x 1.73 in)	98 x 99.8 x 43.9 mm (3.86 x 3.93 x 1.73 in)	140 x 180 x 22.4 mm (5.51 x 7.09 x 0.88 in)	200 x 140 x 15.1 mm (7.9 x 5.5 x 0.6 in)

Modular IP Video Intercom Kit



DS-KIS602

Models Included:

- DS-KD8003-IME1/Surface (Door Station)
- DS-KH6320-WTE1 (Indoor Station)
- DS-3E0105P-E/M (PoE Switch)

Accessories Included

- 16GB Micro SD Card
- Indoor Station Mounting Plate
- 48 VDC AC Adapter for PoE Switch

FEATURES

- Guests call from the video door station with a single button.
- Host receives calls and can unlock door from indoor station and Hik-Connect mobile app.
- Make room-to-room audio calls between indoor stations.
- Indoor Station records messages on the included micro SD card.
- Indoor station monitors door station(s) and up to 16 cameras.
- Simplified user interface for easy operation.
- All devices use standard PoE (IEEE 802.3af).

MODULAR IP VIDEO INTERCOM

	DOOR STATION MAIN MODULE	NAME TAG MODULE	CARD READER MODULE	KEYPAD MODULE	DISPLAY MODULE	SURFACE MOUNT BRACKETS	FLUSH MOUNT BRACKETS		
Model					 				
	DS-KD8003-IME1	DS-KD-KK	DS-KD-M	DS-KD-KP	DS-KD-DIS	DS-KD-ACW2	DS-KD-ACW3	DS-KD-ACF2	DS-KD-ACF3
How to Build Your Intercom	Step 1 This module is required.	Step 2 Select up to 8 of these modules if DS-KD-DIS is excluded or up to 5 of these modules if DS-KD-DIS is included.				Step 3 Select surface or flush mount brackets to house the number of modules you selected. Multiple brackets can be mounted adjacently.			
Camera/Display	2 MP, 180°×96° FOV, 10 ft IR, WDR	---	---	---	3.5 in TFT LCD, 320×480	---	---	---	---
Video Compression	H.264	---	---	---	---	---	---	---	---
Physical Buttons	1 Call Button with Name Tag	6 Call Buttons with Name Tags	---	Keypad Dials up to 500+ Room Numbers and Accepts Access Codes	Display and 4 Buttons Enable Calling Contacts from List of 500+	---	---	---	---
Internal card reader	---	---	Mifare Card Reader	---	---	---	---	---	---
Lock Relay	2 (30 V, 1 A max. each)	---	---	---	---	---	---	---	---
Max. Extensions	8 Door Station Extensions	---	---	---	---	---	---	---	---
Network Protocol	10/100 Mbps TCP/IP, RTSP	---	---	---	---	---	---	---	---
Network Interface	RJ45	---	---	---	---	---	---	---	---
Module I/O	1	2	2	2	2	---	---	---	---
Tamper Alarm	Yes	---	---	---	---	---	---	---	---
Sensor/Alarm Inputs	4	---	---	---	---	---	---	---	---
Power Requirements (max.)	12 VDC, PoE (802.3af), ≤10 W	Powered by main module, ≤2 W	Powered by main module, ≤2 W	Powered by main module, ≤2 W	Powered by main module, ≤3 W	---	---	---	---
Working Temperature	-40° C to 55° C (-40° F to 131° F)	-40° C to 55° C (-40° F to 131° F)	-40° C to 55° C (-40° F to 131° F)	-40° C to 55° C (-40° F to 131° F)	-20° C to 60° C (-40° F to 140° F)	-40° C to 55° C (-40° F to 131° F)	-40° C to 55° C (-40° F to 131° F)	---	---
Ratings	UL60950, IP65	IP65	IP65	IP65, IK7	IP65	---	---	---	---
Dimension (H×W×D)	98 x 100 x 43.9 mm (3.86 x 3.94 x 1.73 in)	98.2 x 100.2 x 33.7 mm (3.87 x 3.95 x 1.33 in)	98.5 x 100 x 33.7 mm (3.88 x 3.94 x 1.33 in)	98.5 x 100 x 34.2 mm (3.88 x 3.94 x 1.35 in)	98.5 x 100 x 34.2 mm (3.87 x 3.95 x 1.33 in)	-ACW2: 219 x 107 x 4 mm (8.62 x 4.21 x 0.16in) -ACW3: 320.8 x 107 x 4 mm (12.6 x 4.21 x 0.16 in)	-ACF2: 237 x 135 x 56 mm (9.33 x 5.31 x 2.20 in) -ACF3: 338.8 x 135 x 56 mm (13.33 x 5.31 x 2.20 in)	---	---



TWO-WIRE IP VIDEO INTERCOM

	TWO-WIRE DOOR STATION	TWO-WIRE INDOOR STATION	TWO-WIRE POWER & DATA DISTRIBUTOR
Model			
	DS-KV8103-IME2	DS-KH8340-TCE2	DS-KAD709
Calling	<ul style="list-style-type: none"> • Calls indoor stations • Calls Hik-Connect app via distributor 	<ul style="list-style-type: none"> • Calls other indoors stations • Calls iVMS-4200 Center 	<ul style="list-style-type: none"> • Relays door station call to Hik-Connect mobile app
Camera/Display	2 MP, 155° FOV, 10 ft IR, True WDR	Touchscreen, 7 in TFT LCD, 1024x600	---
Video Compression	H.264	H.264	---
Physical Buttons	1 Call Button with Name Tag	4 Buttons: Answer/End, Unlock, Live View, Call Center	---
Relay Output	1	1	---
Max. Extensions	1 Door Station Extension	4 Indoor Station Extensions	2 Door Stations, 5 Indoor Stations
Network Protocol	10/100 Mbps TCP/IP, RTSP	10/100 Mbps TCP/IP, RTSP	10/100 Mbps TCP/IP
Network Interface	Two-Wire x1	Two-Wire x1	RJ45 x1 Two-Wire x9
Micro SD Card Slot	---	Supports SDHC 32 GB Max.	---
Tamper Alarm	Yes	---	---
Sensor/Alarm Inputs	2	8	---
Power Requirements (max.)	Powered by DS-KAD709 (24V DC), ≤12 W	Powered by DS-KAD709 (24V DC), ≤10 W	24V DC, ≤4 W, I includes 24V DC 2.5 A AC Adapter
Working Temperature	-30° C to 60° C (-22° F to 140° F)	-10° C to 55° C (14° F to 131° F)	-10° C to 55° C (14° F to 131° F)
Ratings	UL60950, IP65	UL 60950	UL 60950
Dimension (HxWxD)	169 x 110 x 44 mm (6.65 x 4.33 x 1.73 in)	133 x 196 x 25.8 mm (5.24 x 7.72 x 1.01 in)	112 x 111 x 66 mm (4.42 x 4.37 x 2.60 in)

Two-Wire IP Video Intercom Kit



DS-KIS701

Models Included:

- DS-KV8103-IME2
- DS-KH8340-TCE2
- DS-KAD709

Accessories Included

- 24V DC AC Adapter
- Indoor Station Mounting Plate
- Door Station Flush/Surface Mount

FEATURES

- Receive calls and unlock door from Hik-Connect mobile app.
- Make room-to-room video calls between indoor stations.
- Indoor station monitors door station(s) and up to 16 cameras.
- Easy plug and play swap out from old two-wire devices.



Access Control Solutions

Hikvision access control solutions offer a complete lineup of devices from multi-door control panels and card readers to standalone, fingerprint, video, time and attendance, and facial recognition terminals. These products are compatible with Hikvision's free iVMS-4200 Client Software version 3.x. Access control solutions integrate into existing Hikvision video surveillance systems, delivering a versatile, full-service security system.

With Hikvision's established presence in video surveillance, our access control solutions easily integrate with our NVRs and DVRs, combining entry/exit management with visual records. Our latest innovative facial recognition terminals improve access throughput and accuracy.

FEATURES

- Bundled with iVMS-4200 software to manage users, permissions and rules for the system.
- Supports Wiegand protocol readers and RS485 protocol which uses simpler wiring and permits longer transmission distances.
- An Access Control Kit (DS-KIT2DRACP) combines a controller, two readers, and a set of proximity cards for a system that is easy to purchase and install.
- Multiple authentication methods are available including card authentication, keypad passcode, fingerprint and facial recognition authentication. The user has the ability to request two different types of authentication methods to ensure maximum security.
- Advanced anti-pass back and multi-door interlocking features give the user a truly exceptional security environment.

APPLICATION EXAMPLES



Healthcare



Education



Warehouse



ACCESS CONTROL

	STANDALONE TERMINAL	FINGERPRINT TERMINAL	VIDEO TERMINAL	TIME ATTENDANCE TERMINAL	FACIAL RECOGNITION TERMINAL			
Model							 NEW	
	DS-K1T105M (without camera) DS-K1T105M-C (with camera)	DS-K1T201MF (without camera) DS-K1T201MF-C (with camera)	DS-K1T500S	DS-K1T501SF	DS-K1T804MF	DS-K1T606M	DS-K1T606MF	DS-K1T671M
Card Reader	13.56 MHz Mifare	13.56 MHz Mifare	13.56 MHz Mifare	13.56 MHz Mifare	13.56 MHz Mifare	13.56 MHz Mifare	13.56 MHz Mifare	
Card Number Capacity	100,000	100,000	50,000	3,000	50,000	6,000	6,000	
Max Event Capacity	300,000	300,000	200,000	100,000	100,000	50,000	50,000	
Biometrics	---	Face Detection, Fingerprint	DS-K1T500S: --- DS-K1T501SF: Fingerprint	Fingerprint	DS-K1T606M: Facial Recognition DS-K1T606MF: Facial Recognition, Fingerprint	Facial Recognition	Facial Recognition	
Photo Capacity	---	---	---	---	3,200	5,000	5,000	
Fingerprint Capacity	---	9500	---	3,000	DS-K1T606M: --- DS-K1T606MF: 5000	---	---	
Camera	DS-K1T105M: --- DS-K1T105M-C: 2 MP for Face Detection Only	DS-K1T201MF: --- DS-K1T201MF-C: 2 MP for Face Detection Only	2 MP for Intercom & Recording	---	2 MP for Facial Recognition Only	2 MP for Facial Recognition Only	2 MP for Facial Recognition Only	
Support SD Card	Max.32 GB	Max.32 GB	Max. 128 GB	---	---	---	---	
Input Interface	1x Exit Button, 1x Door Sensor, 2x Alarm	1x Exit Button, 1x Door Sensor, 2x Alarm	1x Door Magnetic Sensor, 2x Alarm Input, 1x Tamper Alarm, 1x Exit Button	1x Exit Button, 1x Door Sensor, 1x Alarm Input	1x Exit Button, 1x Door Sensor, 1x Alarm Input	1x Exit Button, 1x Door Sensor, 2x Alarm Input, 1x USB 2.0	1x Exit Button, 1x Door Sensor, 2x Alarm Input, 1x USB 2.0	
Output Interface	1x Lock Relay, 1x Chime Relay	1x Lock Relay, 1x Chime Relay	1x Lock Relay, 1x Chime Relay	1x Lock Relay, 1x Chime Relay, 1x Alarm Output	1x Lock Relay, 1x Chime Relay, 1x Alarm Output	1x Lock Relay, 1x Chime Relay, 1x Alarm Output, 1x Wiegand	1x Lock Relay, 1x Chime Relay, 1x Alarm Output, 1x Wiegand	
Network Connectivity	RJ45, Wi-Fi	RJ45, Wi-Fi	RJ45, Wi-Fi	RJ45, Wi-Fi	RJ45, Wi-Fi	RJ45, Wi-Fi	RJ45, Wi-Fi	
Comm. Interface, Uplink	Wiegand26/34, RS-485 (Card Reader Mode)	Wiegand26/34, RS-485 (Card Reader Mode)	Wiegand26/34, RS-485 (Card Reader Mode)	Wiegand26/34, RS-485 (Card Reader Mode)	Wiegand26/34 (Card Reader Mode)	Wiegand26/34, RS-485 (Card Reader Mode)	Wiegand26/34, RS-485 (Card Reader Mode)	
Comm. Interface, Downlink	Wiegand26/34, RS-485	Wiegand26/34, RS-485	RS-485	Wiegand26/34, RS-485	Wiegand26/34, RS-485	Wiegand26/34, RS-485	Wiegand26/34, RS-485	
Display Screen	2.8 in 320x240 LCD	2.8 in 320x240 TFT LCD	---	2.4 in 320x240 TFT LCD	5 in LCD Touch Screen	7 in LCD Touch Screen	7 in LCD Touch Screen	
Local Input	Keypad	Keypad	---	Keypad	Touchscreen	Touchscreen	Touchscreen	
Audio	Speaker for voice prompt	Speaker for voice prompt	Two-Way Audio	Speaker for voice prompt	Speaker for voice prompt	Speaker for voice prompt	Speaker for voice prompt	
Ratings	UL 60950	UL 60950	UL 60950, IP65	UL 60950, IP42	UL 60950, IP65	UL 60950, IP65	UL 60950, IP65	
Tampering/Duress Alarm	Yes	Yes	No	Yes	Yes	Yes	Yes	
Working Temperature	-20° C to 65° C (-4° F to 149° F)	-20° C to 65° C (-4° F to 149° F)	-40° C to 70° C (-40° F to 158° F)	-10° C to 55° C (14° F to 131° F)	-20° C to 55° C (-4° F to 122° F)	-30° C to 60° C (-22° F to 140° F)	-30° C to 60° C (-22° F to 140° F)	
Power Requirements (max.)	12V DC, 0.5 A	12V DC, 0.5 A	12V DC, 1 A	12V DC, 2 A	12V DC, 2 A	12V DC, 2 A	12V DC, 3 A	
Accessories	DS-K2M060: Securing Unit	DS-K2M060: Securing Unit	DS-K2M060: Securing Unit	DS-K2M060: Securing Unit	DS-K2M060: Securing Unit	DS-K2M060: Securing Unit	DS-K2M060: Securing Unit	

ACCESS CONTROL

	MIFARE CARD READER				FINGERPRINT CARD READER		PROXIMITY CARD READER		
Model									
	DS-K1102M	DS-K1102MK	DS-K1104M	DS-K1104MK	DS-K1107M	DS-K1107MK	DS-K1201MF	DS-K182HP	DS-K170HPK
Card Type	13.56 MHz Mifare		13.56 MHz Mifare		13.56 MHz Mifare		13.56 MHz Mifare	125 KHz Prox	125 KHz Prox
Comm. Interface	Wiegand26/34, RS-485		Wiegand26/34, RS-485		Wiegand26/34, RS-485		RS-485	Wiegand 26	Wiegand 26
Biometrics	---		---		---		Fingerprint	---	---
Fingerprint Capacity	---		---		---		5000	---	---
RS-485 ID Settings	DIP Switch		DIP Switch		DIP Switch		DIP Switch	---	---
Keypad	DS-K1102M: --- DS-K1102MK: Yes		DS-K1104M: --- DS-K1104MK: Yes		DS-K1107M: --- DS-K1107MK: Yes		---	---	Yes
Working Temperature	-20° C to 65° C (-4° F to 149° F)		-20° C to 65° C (-4° F to 149° F)		-20° C to 65° C (-4° F to 149° F)		-40° C to 70° C (-40° F to 158° F)	-40° C to 65° C (-40° F to 149° F)	-40° C to 65° C (-40° F to 149° F)
Protection Level	UL 60960, IP64		UL 60960, IP65, IK10		UL 60950, IP65		UL 60960, IP65	UL 294 ETL Listed, IP67	UL 294 ETL Listed, IP67
Installation	Single Gang Box		Single Gang Box		Mullion		Single Gang Box	Mullion	Mullion
Power Supply	12V DC		12V DC		12V DC		12V DC ±10%	5 to 16V DC	5 to 16V DC



ACCESS CONTROL

Access Control Kit



DS-KIT2DRACP

Includes one 2-Door Network Access Controller (DS-K2602-G), two Proximity Card Readers (DS-K182HP), and one pack of 25 Proximity Cards (DS-K7M151-P)

DS-KIT4DRACP NEW

Includes one 4-Door Network Access Controller (DS-K2604-G), four Proximity Card Readers (DS-K182HP), and one pack of 25 Proximity Cards (DS-K7M151-P)

	CARD ENROLLMENT	FINGERPRINT ENROLLMENT		NETWORK ACCESS CONTROLLER
Model			Model	
	DS-K1F100-D8E	DS-K1F820-F		DS-K2602-G DS-K2604-G
Card Reading Frequency	13.56MHz and 125KHz	---	Uplink Communication Interface	TCP/IP Network Interface and RS-485 Interface
Supported Card Formats	Mifare And EM	---	Downlink Communication Interface	RS-485 and Wiegand (w26/w34)
Interface	USB 2.0	USB 2.0	Storage Max Cards Number	100,000 (200,000 expandable)
Plug and Play	Yes (Windows)	Yes (Windows)	Storage Max Events Number	300,000 (600,000 expandable)
Encryption	Yes	Yes	Accessible Card Reader	4/8 Card Readers (RS485 Interface) 4/4 Card Readers (Wiegand Interface)
Power Requirements	USB, 200 mA	USB, 200 mA	Input Interface	4/4 Alarm Input 2/4 Door Sensor 2/4 Exit Button 4/8 Case Input 1/1 Tamper Alarm
Working Temperature	-20° C to 65° C (4° F to 149° F)	-30° C to 70° C (-22° F to 158° F)	Output Interface	2/4 Lock Relay 4/4 Alarm Relay
Ratings	UL 60950	UL 60950	Built-In Power Supply	110-220V AC, 8.5A Max
Dimensions	117 x 67.5 x 14.3 mm (4.61 x 2.66 x 0.56 in)	100 x 48.5 x 35 mm (3.94 x 1.89 x 1.38 in)	Panel Power Input Voltage	12V DC
			Lock Output	12V DC, 1A Max Each Lock
			Working Environment	Indoor
			Certifications	CE, FCC, UL 294 ETL Listed
	TERMINAL SECURING UNIT			
Model				
	DS-K2M060			
Function	Use with an access control terminal or video door station to securely route wires for the exit button, lock, door sensor, alarm output and secondary card reader from the inside of the building.			
Terminal Communication Interface	RS-485 with Indicator			
Input / Output Interface	1x Exit Button, 1x Lock, 1x Door Sensor, 1x Alarm Out and 1x Wiegand			
Supported Models	DS-KV8102-IM, DS-KV8202-IM, DS-KV8402-IM, DS-KD3002-VM, DS-K1T105M/M-C, DS-K1T201MF/MF-C, DS-K1T500S, DS-K1T501SF, DS-K1T804MF DS-K1T606M/MF			
Power Requirements	12V DC			
Working Temperature	-30° C to 55° C (-22° F to 131° F)			
Ratings	FCC, CE, UL 60950			
Dimensions	115 x 48 x 25 mm (4.53 x 1.89 x 0.98 in)			

ACCESS CONTROL

	MIFARE CARD (25-PACK)	MIFARE KEY FOB (25-PACK)	PROXIMITY CARD (25-PACK)	PROXIMITY KEY FOB (25-PACK)
Model				
	ICS50-25	DS-K7M102-M	DS-K7M151-P	DS-K7M153-P
Sensing Frequency	13.56 MHz	13.56 MHz	125 kHz	125 kHz
Card Format	Mifare	Mifare	Prox	Prox
Temperature	-20° C to 75° C (-4° F to 167° F)	-10° C to 50° C (14° F to 122° F)	-37° C to 50° C (-35° F to 122° F)	-37° C to 50° C (-35° F to 122° F)
Dimension	85.5 x 54 x 0.8 mm	26 x 50 x 4 mm	56 x 86 x 1.5 mm	30 x 38 x 3.8 mm

LOCK	
Model	<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">  <p>DS-K4H250D</p> </div> <div style="text-align: center;">  <p>DS-K4H250S</p> </div> </div>
Maximum Thrust	300 kg (660 lb) ×2
Power Requirements	12V DC, 500 mA ×2 24V DC, 250 mA ×2 12 W
Signal Output	Dry Contact Signal Output, Support Maximum Power Rate of 3A, NO Output While Locking and NC Output While Unlocking
LED Indicator	Red (Door is Unlocked) Green (Door is Locked)
Suitable Door	Wooden Door, Glass Door, Metal Door, Fireproof Door
Working Temperature	-10° C to 55° C (14° F to 131° F)
Weight	4.2 kg (9.3 lb)
Dimensions	480 x 49 x 25.5 mm (18.9 x 1.93 x 1.00 in)



ACCESSORIES

ETHERNET OVER COAX

Model		 NEW	
	DS-1H05-T	DS-1H05-T/E	DS-1H05-R
Input Interface	RJ-45 interface and BNC	T: RJ-45 interface and BNC E: BNC	BNC
Output Interface	BNC	T: BNC E: RJ-45 interface and BNC	RJ-45 Interface and BNC
Maximum Bandwidth (Mbps)	36 (downstream)	T: 36 (downstream) E: 11 (upstream)	11 (upstream)
Distance	Up to 1,500 feet with RG6/U cable	Up to 1,500 feet with RG6/U cable	Up to 1,500 feet with RG6/U cable
Dimensions	80 x 27 x 96 mm	80x27x96 mm	80 x 27 x 96 mm
Operating Conditions (max.)	-10° C to 55° C (14° F to 131° F)	-10° C to 55° C (14° F to 131° F)	-10° C to 55° C (14° F to 131° F)
Power Requirements (max.)	12V DC, PSU included, 5 W (does not power camera)	12V DC, PSU included, 5 W (does not power camera)	12V DC, PSU included, 5 W (does not power camera)

KEYBOARDS

Model					
	DS-1600KI	DS-1200KI	DS-1100KI	DS-1006KI	DS-1005KI
Control Mode	Network, Wi-Fi, USB	Network, Serial	Network	Serial	USB
Joystick	4-Axis	4-Axis	4-Axis	4-Axis	3-Axis
Network	1x 1 Gbps Ethernet, 1x Wi-Fi	1x 100 Mbps Ethernet	1x 1 Gbps Ethernet	---	---
Serial	---	RS-232, RS-422, RS-485	RS-232, RS-485	RS-232, RS-422, RS-485	---
USB	2x USB 2.0	1x USB 2.0	1x USB 2.0	2x USB 2.0	1x USB 2.0
Two-Way Audio I/O	1/1 (3.5 mm plugs)	---	1/1 (3.5 mm plugs)	---	---
Decoding	2-ch @1080p 4-ch @ 720p 16-ch @ CIF	---	1-ch @ 1080p	---	---
LCD Screen	10.1" Capacitive Touch Screen 1024x600 px	128x64 px	7" Touch Screen 800x480 px	128x64 px	---
Power Requirements (max.)	12V DC, PoE, 15 W	12V DC, 4.5 W	12V DC, 15 W	12V DC, 5 W	5V DC via USB, 5 W

STORAGE EXPANSION

Model		
	DS-AJ7824S	DS-AJ7824D
Controller	Single	Double
SAS Interface (Upper-level)	2 (12Gbps)	2 (12Gbps)
SAS Interface (Lower-level)	1 (12Gbps)	1 (12Gbps)
HDD Interfaces	24	24
HDD Interface Type	SATA	SAS
Hot Swap HDD	Support	Support
Power	Redundant	Redundant
Applicable Models	DS-A81016S, DS-A80624S	DS-A82024D
Power Consumption	≤ 550 W (with max. HDD)	≤ 550 W (with max. HDD)
Working Temperature	Working: 5° C to 40° C (41° F to 104° F) Storing: -40° C to 55° C (-40° F to 131° F)	Working: 5° C to 40° C (41° F to 104° F) Storing: -40° C to 55° C (-40° F to 131° F)
Chassis	4U	4U

STORAGE PRODUCTS

Model			
	DS-A81016S	DS-A82024D	DS-A80624S
Controller/Processor	Single, 64-bitmulti-core processor	Double, 64-bitmulti-core processor	Single, 64-bitmulti-core processor
High-speed buffer	4 to 32 GB	8 GB (extendable to 32 GB)	4 to 32 GB
Video Input/Output	IPSAN:180-ch (2Mbps) Hybrid SAN:320-ch (2Mbps)	IPSAN:256-ch (2Mbps) CVR:448-ch (2Mbps)	IPSAN:180-ch (2Mbps) Hybrid SAN:320-ch (2Mbps)
HDD slot	16	24	24
HDD interface	SATA/Up to 12 TB	SSD (optional), SAS/Up to 12 TB	SATA/Up to 12 TB
Hot-swap disk	Supported	Supported	Supported
RAID level	RAID 0, 1, 3, 5, 6, 10, 50, JBOD, Hot-Spare	RAID 0, 1, 3, 5, 6, 10, 50, JBOD, Hot-Spare	RAID 0, 1, 3, 5, 6, 10, 50, VRAID, JBOD, Hot-Spare
Data protection	Real-time backup of system information	Real-time backup of system information	Real-time backup of system information, LUN clone
Network Protocol	RTSP / ONVIF / PSIA / iSCSI	RTSP / ONVIF / PSIA / iSCSI	RTSP / ONVIF / PSIA / iSCSI
External data port	3x 1000M Ethernet interface	4x 1000M self-adaptive Ethernet interface	3x 1000M Ethernet interface
Management port	1x 1000M Ethernet interface	1x 100Mself-adaptive Ethernet interface	1x 1000Mbps Ethernet interface
Power Supply	Redundant	Redundant	Redundant
Power consumption	Working: ≤308 W (967 BTU with 16 HDDs)	Working Consumption: ≤ 507 (with HDD)	Working Consumption: ≤ 430 (with HDD)
Temperature	Working: 5° C to 40° C (41° F to 104° F) Storing: -40° C to 55° C (-40° F to 131° F)	Working: 5° C to 40° C (41° F to 104° F) Storing: -40° C to 55° C (-40° F to 131° F)	Working: 5° C to 40° C (41° F to 104° F) Storing: -40° C to 55° C (-40° F to 131° F)
Chassis	3U	4U	4U

ACCESSORIES

	HDD FOR STORAGE PRODUCTS	DVD-RW	FIELD MONITOR	HD-TVI CONVERTER	BALUN	
Model						
	HDD-SAS4T	HDD-SAS6T	HIK-DVDRW	DS-TT-X41T	DS-1H33	DS-1H18
Description	HDD for, DS-A82024D, DS-AJ7824D	HDD for, DS-A82024D, DS-AJ7824D	DVD-RW option for NVR and DVR	7" TFT LCD with HD-TVI, CVBS, HDMI and VGA inputs supporting resolutions up to 1080p, 12V DC output for camera, Li-ion battery	Converter from HD-TVI video signal to HDMI signal	Unshielded twisted pair (UTP) Baluns

	SURVEILLANCE GRADE HARD DRIVES	ENTERPRISE GRADE HARD DRIVES
Model		
Interface	SATA	
Classification	Audio/Video	
Operation	24/7 continuous	
1 TB	HK-HDD1T	HK-HDD1T-E
2 TB	HK-HDD2T	HK-HDD2T-E
4 TB	HK-HDD4T	HK-HDD4T-E
6 TB	HK-HDD6T	HK-HDD6T-E
8 TB	HK-HDD8T	HK-HDD8T-E
10 TB	HK-HDD10T	HK-HDD10T-E
12 TB	HK-HDD12T	HK-HDD12T-E

	MICROSD CARD
Model	
	HS-TF-H11/32G HS-TF-H11/64G HS-TF-H11/128G
Capacity	32/64/128 GB
NAND Flash	MLC
Form Factor	microSDHC/microSDXC
Read Speed	90/90/96 MB/s
Write Speed	46/28/44 MB/s
Operating Temperature	-25° C to 85° C (-13° F to 185° F)
Warranty (Year)	2
Product Highlight	<ul style="list-style-type: none"> • Read-Write Lock • Life Forewarning • Health Monitoring (With Hikvision Camera)

	MICROPHONE	
Model		
	DS-2FP2020	DS-2FP4021-B
Type	HiFi Microphone	Digital Noise Reduction Microphone
Frequency Response	20Hz~20KHz	100Hz~16KHz
Pickup Range/Direction	70 m2 / 360°	60 m2 / 360°
Signal:Noise	60 dB	75 dB
Dynamic Range	70 dB	85 dB
Output Impedance	600 ohm unbalanced	600 ohm unbalanced
Connections	3 wires (Power, Audio Out, GND)	3 wires (Power, Audio Out, GND)
Construction	PVC	Aluminum alloy
Dimensions	Φ78 x 28 mm (3 x 1.1")	Φ64 x 20 mm (2.5 x 0.8")
Power Requirements (max.)	12V DC / 25mA	12V DC / 45mA



ACCESSORIES

PTZ BRACKETS													
Model													
Description	Short wall mount for 4" PTZ	Wall Mount PTZ-Long	Wall Mount for DS-2DE2AXX series	Corner Mount Adapter WMP-S and WMP-L	Pole Mount Adapter WMP-S and WMP-L	PTZ Junction box with wall bracket	Corner Mount for JBPW-L	Pole Mount for JBPW-L	Pole Mount Large (for JBP-W)	Corner Mount Large (for JBP-W)	Ceiling Pendant Mount-Short	Ceiling Pendant Mount-Long	Ceiling Pendant Mount, extension pipe 1.5" diameter

PTZ brackets are for series DS-2AE5xxx, DS-2AE7xxx, DS-2DE4xxx, DS-2DE5xxx, DS-2DE6xxx, DS-2DE7xxx, DS-2DF5xxx, DS-2DF6xxx, DS-2DF8xxx

PTZ BRACKETS												
Model												
Description	Vertical Pole Mount for CPM-S/L	Roof Parapet Mount	PTZ Junction box with wall bracket (gray)	Corner Mount for JBPW-L-G (gray)	Pole Mount for JBPW-L-G (gray)	Short Ceiling Pendant Mount (gray)	Long Ceiling Pendant Mount-Long	Ceiling Pendant Mount, extension pipe 1.5" diameter (gray)	Vertical Pole Mount for CPM-S/L (gray)	Roof Parapet Mount (gray)	Wall Mount for DS-2DY9xxx Series Upright PTZs	Wall Mount for DS-2DY5223IW-AE Upright PTZ

*PTZ brackets are for series; DS-2AE5xxx; DS-2AE7xxx; DS-2DE4xxx; DS-2DE5xxx; DS-2DE6xxx; DS-2DE7xxx; DS-2DF5xxx; DS-2DF6xxx; DS-2DF8xxx

	STAINLESS STEEL BRACKETS				CAMERA HOUSING				BOX CAMERA BRACKETS			
Model												
Description	Pendant Wall Mount for DS-2DT6223-AELY	Pendant Ceiling Mount for DS-2DT6223-AELY	Pendant Wall Mount for DS-2CD6626DS-IZHS	Medium Junction Box	Wall Bracket for XC Series SS Dome	Camera Housing with Bracket	CHB-HBW (Camera Housing w/ Bracket, Heater, Blower, Wiper)	CHB-HB (Camera Housing w/ Bracket, Heater, Blower)	Suitable for box camera, wall Mount	Suitable for box camera and housing, wall mount	Pendant Mount extendable (80") - For Box and Fisheye 1/4 20 mount	Pendant Mount 8" - For Box and Fisheye 1/4 20 mount

	UNIVERSAL BRACKET FOR PENDANT CAPS								SUN/RAIN SHIELD			
Model												
Description	Camera Ceiling Pendant Mount	Camera Ceiling Pendant Mount, Extension Pipe 1" diameter	Short Wall Mount, junction box and Teflon tape included	Long Wall Mount, junction box and Teflon tape included	Roof Parapet Mount	Pole Mount Adapter	Pole Mount Adapter	Corner Mount Adapter	Corner Mount Adapter	Wall mount dome rain and sun protection	Medium -For outdoor dome rain and sun protection	Large -For outdoor dome rain and sun protection

*Pendant caps are 1.0" thread and come with 1.5" and .75" adaptors

ACCESSORIES

CAMERA BRACKETS													
Model													
	PC110 (white) PC110B (black)	PC110T (white) PC110TB (black)	PC120 (white) PC120B (black)	PC130 (white) PC130B (black)	PC130T (white) PC130TB (black)	PC135 (white) PC135B (black)	PC135H	PC140 (white) PC140B (black)	PC140PT	PC155	PC160	PC165	PC210
Description	110 mm Pendant Cap	110TRS Pendant Cap	120 mm Pendant Cap	130 mm Pendant Cap	130TRL Pendant Cap	135 mm Pendant Cap	135 mm Pendant Cap	140 mm Pendant Cap	140 mm Pendant Cap for DS-2DE3304W-DE	155 mm Pendant Cap	160 mm Pendant Cap	165 mm Pendant Cap	210 mm Pendant Cap for DS-2D6986F-H
	Compatible with WMS and WML						Compatible with WML						

*Pendant caps are 1.0" thread and come with 1.5" and .75" adaptors

CAMERA BRACKETS												
Model												
	PC-DE4A	PC-FE	CBXS (white) CBXSB (black)	CBS (white) CBSB (black)	CBM (white) CBMB (black)	CBD-MINI	CBT-1	CB110 (white) CB110B (black)	CB-130	CB-130T	CB135	CB140PT
Description	Pendant Cap for DE4A Series PTZs	Pendant Cap for fisheye	Conduit Base	Conduit Base	Conduit Base	Conduit Base	Conduit Base	Conduit Base	Conduit Base	Conduit Base	Conduit Base	Conduit Base for DS-2DE3304W-DE
	Compatible with WML											

*Pendant caps are 1.0" thread and come with 1.5" and .75" adaptors

CAMERA BRACKETS												
Model												
	CB155	CB165	CB-DE4A	CB-FE	AB110 (white) AB110B (black)	AB135 (white) AB135B (black)	AB165	AB-FE	AB-FE2	AB-FE45	ABS (white) ABSB (black)	ABM
Description	Conduit Base	Conduit Base	Conduit Box for DE4A Series PTZs	Conduit base for Fisheye	15° Angled Base	15° Angled Base	15° Angled Base	15° Angled Base for Fisheye	15° Angled Base for Fisheye	45° Angled Base for Fisheye	15° Angled Base	15° Angled Base

CAMERA BRACKETS											
Model											
	CM6810	RCM-1 (white) RCM-1B (black)	RCM-2 (white) RCM-2B (black)	RCM-3 (white) RCM-3B (black)	RCM-4	RCM-5	RCM-G	WM-C	WM110 (white) WM110B (black)	WM6810	GP100
Description	Ceiling mount	Recessed ceiling mount	Recessed ceiling mount	Recessed ceiling mount	Recessed ceiling mount for DS-2DE3304W-DE	Recessed ceiling mount	Recessed ceiling mount for DS-2CD2725F-ZS	Wall Mount Compact	Plastic Wall Mount	Wall Mount for iDS-2CD6810F/C	Single Gang Plate



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