

HIKVISION

Reaching
for
the Stars



www.hikvision.com

Toll Free: 866.200.6690 | Fax: 909.595.2788



Product Quick Guide

Oct. 2014

1 - 8 Professional Solutions

Smart IP Cameras
Special Applications
Pro 5MP
Smart IP PTZs
Darkfighter
NVRs- 9600 series
NVR RAID - Pro Series
PoE Switch

9 - 13 Value Solutions

IP Cameras- 2-Series
IP PTZs- Value Series
Plug and Play NVRs
Wi-Fi Solutions

14 - 21 Analog Migration Solutions

Encoders/Decoders
Hybrid DVR - Pro Series
Ethernet over Coax
Turbo HD 702p/1080p Solutions
DVR- Turbo HD Value Series
DVR- Turbo HD Pro Series
960H Analog Solutions
Analog Cameras
Analog PTZs
Analog DVRs

22 - 23 Brackets & iVMS

Hikvision Technical Services

Hikvision™ strives to provide industry-leading support for all devices to our customer base and we work to continuously innovate video surveillance technology. From product installation questions to technical troubleshooting to firmware upgrades, dedicated phone support guides you to the solution. For Hikvision USA Technical Support, call 1-866-200-6690 (US Toll-free), +1 909-895-0400, or contact us via email at techsupport@hikvisionusa.com.

Hikvision Dealer Partner Program

The Hikvision Dealer Partner Program rewards partner loyalty with exciting relationship-based advantages and recognition. Through this program, Hikvision extends exclusive access to products, business assistance and priority service to key industry partners. To learn about joining this select partner network as a Silver, Gold, or Platinum level member, contact partners@hikvisionusa.com

Contents





About Hikvision

Company

Hikvision is a world leading innovator in video surveillance products and solutions. Established in 2001, Hikvision is a global enterprise with more than 13,000 employees – including 2,800 R&D engineers. With the largest R&D team in the industry and a passion for continuous innovation, Hikvision's product offerings include high-definition IP cameras, digital video servers, hybrid and standalone DVRs, NVRs, speed domes and compression cards. These products have been proven and tested in a variety of demanding environments around the world. For more information, please visit Hikvision's website at www.hikvision.com.

Dynamic growth and exceptional products have seen Hikvision recognized as the No.1 global vendor of CCTV and video surveillance equipment for two years in a row – according to IMS Research's World Market for CCTV and Video Surveillance Equipment Report 2013 and listed for seven years in a row in Security 50 – a market survey recognizing the top 50 security vendors in the global security market.

A Worldwide Leader Focused on Excellence in Security Systems

Hikvision brings decades of experience to the world of video surveillance technology. From its inception, Hikvision has played an active role in the ever-evolving video surveillance market, devoting 7% of its annual revenue into research and development for continued product innovation. By offering a complete end-to-end solution, Hikvision provides a seamless integration of system components, resulting in an exceptional user experience. From video capture to video processing and storage, to video management, Hikvision designs and manufactures a full line of innovative products.



Network Camera



Smart IP PTZ



Analog Camera



Turbo HD Camera



NVR



DVR/Hybrid DVR



Encoder/Decoder



WiFi NVR



Video Management Software
iVMS-4200, iVMS-4500

HIKVISION

WE ADD VALUE TO YOUR BUSINESS



Hikvision provides a full range of video surveillance products and solutions, a true “one-stop shop” for the security needs of a broad spectrum of industries. Renowned across the globe, our systems are currently installed in over 100 countries spread across six continents. Hikvision products serve a diverse set of vertical markets including Government, Retail, Banking and Finance, Transportation, Education, Commercial and Residential Applications. Hikvision is committed to protecting its customers while creating business value for them as well. Comprehensive products, solutions, and services customized for the end-user are essential in providing preeminent video surveillance tailored to a particular industry.



Our Featured Products

Turbo 720p/1080p HD Cameras (Pages 15 - 17)

The latest in high-definition analog technology, delivering significant advantages over other HD analog formats. Ideal for supporting the move away from NTSC/PAL to HD video, Hikvision's analog-to-digital migration solution enables users to reuse existing infrastructure, maximizing the ROI on their video surveillance equipment.

2.0MP WDR IR Array Bullet Network Camera DS-2CD4A25FWD-IZH8 (Page 2)

Up to 1920 x1080 high resolution, Full HD1080p video, up to 60fps, Smart Codec, 120dB WDR, 3D DNR, Triple streaming, On-board storage, up to 64GB, Smart Focus: 8~32mm Motorized VF lens optional, Smart Facial Detection, Intrusion Detection, Built-in heater optional, Audio/Alarm IO optional.

2.0MP WDR Outdoor Dome Network Camera DS-2CD4525FWD-IZH (Page 3)

Up to 1920 x1080 high resolution, Full HD1080p video, up to 60fps, Smart Codec, 120dB WDR, 3D DNR, Triple streaming, On-board storage, up to 64GB, Smart Focus: Motorized VF lens, Smart Facial Detection, Intrusion Detection, Built-in heater optional, 8~32mm Motorized VF lens optional, People Counting, IP66 & Vandal-proof protection.

2.0MP Low-illumination Network IR PTZ DS-2DF8223I-AEL (Page 7)

0 Lux minimum illumination, Up to 200m IR distance, IR light MTBF reaching up to 30,000 hours, High performance CMOS, up to 1920x1080 resolution, Smart tracking modes, Smart detection, Smart recording, Smart image processing, Smart codec, Proportional zoom function.

2.0MP Darkfighter Ultra Low-light Box Network Camera DS-2CD6026FHWD-A11 (Page 7)

Designed to deliver precise color and exact image quality, Hikvision's DarkFighter Network Camera thrives in the most challenging light conditions. The 2MP lens sets new performance standards for extreme low-light applications, delivering crystal-clear color and monochrome images day and night. Ideal for 24-hour surveillance installations, DarkFighter supports ONVIF, PSIA and CGI standards for quick and easy integration with video surveillance systems.



Education



Financial / Banking



Commercial



Hospital / Healthcare



Secured Cities



Casinos

Serving Vertical
Markets






1 Smart IP Cameras



Box Cameras

Indoor Fixed Vandal Dome






Bullet Cameras

Model	DS-2CD4012FWD-A  1.3MP	DS-2CD4024FWD-A  2.0MP	DS-2CD4032FWD-A  3.0MP	DS-2CD4065F-A  6.0MP	DS-2CD4112FWD-IZ  1.3MP	DS-2CD4124FWD-IZ  2.0MP	DS-2CD4132FWD-IZ  3.0MP	DS-2CD4212FWD-IZH  1.3MP
Image Sensor	1/3" Progressive Scan CMOS	1/2.8" progressive Scan CMOS	1/3" Progressive Scan CMOS	1/1.8" Progressive Scan CMOS	1/3" Progressive Scan CMOS	1/2.8" progressive Scan CMOS	1/3" Progressive Scan CMOS	1/3" Progressive Scan CMOS
Min. Illumination (lux)	Color: 0.01 lux @ F1.2, AGC on B/W: 0.001 lux @ F1.2, AGC on	Color: 0.01 lux @ F1.2, AGC on B/W: 0.001 lux @ F1.2, AGC on	Color: 0.1 lux @ F1.2, AGC on B/W: 0.01 lux @ F1.2, AGC on	Color: 0.02 lux @ F1.2, AGC on B/W: 0.002 lux @ F1.2, AGC on	0.014 Lux @ F1.4 AGC ON 0 lux with IR	0.014 Lux @ F1.4 AGC ON 0 lux with IR	0.14 Lux @ F1.4 AGC ON 0 lux with IR	0.014 Lux @ F1.4 AGC ON 0 lux with IR
Lens	Auto Back Focus	Auto Back Focus	Auto Back Focus	Auto Back Focus	2.8-12mm @ F1.4 Auto Focus	2.8-12mm @ F1.4 Auto Focus	2.8-12mm @ F1.4 Auto Focus	2.8-12mm @ F1.4 Auto Focus
Angle of View					98.4°-30.2°	113° ~ 33.8°	91.2° ~ 28.3°	98.4°-30.2°
Adjustment Range					Pan: 0° - 355° Tilt: 0° - 75° Rotation: 0° - 355°	Pan: 0° - 355° Tilt: 0° - 75° Rotation: 0° - 355°	Pan: 0° - 355° Tilt: 0° - 75° Rotation: 0° - 355°	
Day & Night	True	True	True	True	True	True	True	True
BLC/WDR	120dB	120dB	120dB		120dB	120dB	120dB	120dB
IR					Up to 30m	Up to 30m	Up to 30m	Up to 30m
Video Compression	H.264/MPEG4/MJPEG	H.264/MPEG4/MJPEG	H.264/MPEG4/MJPEG	H.264/MJPEG	H.264/MPEG4/MJPEG	H.264/MPEG4/MJPEG	H.264/MPEG4/MJPEG	H.264/MPEG4/MJPEG
Max. Image Resolution	1280 x 960	1920 x 1080	2048 x 1536	3072 x 2048	1280 x 960	1920 x 1080	2048 x 1536	1280 X 960
Frame Rate	30fps (1280 x 960), 60fps (1280 x 720) @ WDR OFF	60fps (1920 x 1080) 60fps (1280 x 960) 60fps (1280 x 720) @ WDR OFF	30fps (1920 x 1080) 30fps (1280 x 720) 20fps (2048 x 1536)	24fps (3072 x 2048), 30fps (2560 x 2048, 2560 x 1920, 2048 x 1536, 1920 x 1080, 1280 x 720)	30fps (1280 x 960), 60fps (1280 x 720) @ WDR OFF	60fps (1920 x 1080) 60fps (1280 x 960) 60fps (1280 x 720) @ WDR OFF	20fps (2048 x 1536) 30fps (1920 x 1080) 30fps (1280 x 720)	30fps (1280 x 960), 60fps (1280 x 720) @ WDR OFF
Multi-Streaming	Triple Stream	Triple Stream	Triple Stream	Triple Stream	Triple Stream	Triple Stream	Triple Stream	Triple Stream
Intelligent Video	Smart Features *	Smart Features *	Smart Features *	Smart Features *	Smart Features *	Smart Features *	Smart Features *	Smart Features *
Audio Input/Output	1-ch 3.5mm audio interface, Mic in/Line in, 1-ch built-in Microphone /1-ch 3.5mm audio interface	1-ch 3.5mm audio interface, Mic in/Line in, 1-ch built-in Microphone /1-ch 3.5mm audio interface	1-ch 3.5mm audio interface, Mic in/Line in, 1-ch built-in Microphone /1-ch 3.5mm audio interface	1-ch 3.5mm audio interface, Mic in/Line in, 1-ch built-in Microphone /1-ch 3.5mm audio interface	1-ch 3.5mm audio interface, Mic in/Line in, 1-ch 3.5mm audio interface	1-ch 3.5mm audio interface, Mic in/Line in, 1-ch 3.5mm audio interface	1-ch 3.5mm audio interface, Mic in/Line in, 1-ch 3.5mm audio interface	1-ch 3.5mm audio interface, Mic in/Line in, 1-ch 3.5mm audio interface
Alarm Input/Output	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
SD Card	Built-in Micro SD/SDHC/SDXC slot, up to 64 GB	Built-in Micro SD/SDHC/SDXC slot, up to 64 GB	Built-in Micro SD/SDHC/SDXC slot, up to 64 GB	Built-in Micro SD/SDHC/SDXC slot, up to 64 GB	Built-in Micro SD/SDHC/SDXC slot, up to 64 GB	Built-in Micro SD/SDHC/SDXC slot, up to 64 GB	Built-in Micro SD/SDHC/SDXC slot, up to 64 GB	Built-in Micro SD/SDHC/SDXC slot, up to 64 GB
Ratings					IK10	IK10	IK10	IP66
Operating Conditions	-30°C ~ 60°C (-22°F ~ 140°F), humidity 95% or less (non-condensing)	-30°C ~ 60°C (-22°F ~ 140°F), humidity 95% or less (non-condensing)	-30°C ~ 60°C (-22°F ~ 140°F), humidity 95% or less (non-condensing)	-30°C ~ 60°C (-22°F ~ 140°F), humidity 95% or less (non-condensing)	-30 °C ~ 60 °C (-22 °F ~ 140 °F)/ Humidity 95% or less (non-condensing)	-30 °C ~ 60 °C (-22 °F ~ 140 °F)/ Humidity 95% or less (non-condensing)	-30 °C ~ 60 °C (-22 °F ~ 140 °F)/ Humidity 95% or less (non-condensing)	-40°C ~ 60°C (-40°F ~ 140°F); Humidity 95% or less (non-condensing)
Power/PoE	24 V AC ± 10%, 12 V DC ± 10%, PoE (802.3af) Max. 9W	24 V AC ± 10%, 12 V DC ± 10%, PoE (802.3af) Max. 11W	24 V AC ± 10%, 12 V DC ± 10%, PoE (802.3af) Max. 9W	24 V AC ± 10%, 12 V DC ± 10%, PoE (802.3af) Max. 9W	12 V DC ± 10% / PoE (802.3af) Max. 11W	12 V DC ± 10% / PoE+ (802.3at) Max. 13W	12 V DC ± 10% / PoE (802.3af) Max. 11W	12 V DC ± 10% / PoE+ (802.3at) Max. 12W

Smart Features * : Motion detection, Tampering alarm, Line crossing, Intrusion detection, Facial detection, Audio detection, Scene changing detection, People counting.



Bullet Cameras

Model	DS-2CD4212FWD-IZH8	DS-2CD4A25FWD-IZH	DS-2CD4A25FWD-IZH8	DS-2CD4232FWD-IZH	DS-2CD4232FWD-IZH8
					
Image Sensor	1/3" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS	1/3" Progressive Scan CMOS	1/3" Progressive Scan CMOS
Min. Illumination (lux)	0.014 Lux @ F1.4 AGC ON 0 lux with IR	0.014 Lux @ F1.4 AGC ON 0 lux with IR	0.014 Lux @ F1.4 AGC ON 0 lux with IR	0.14 Lux @ F1.4 AGC ON 0 lux with IR	0.14 Lux @ F1.4 AGC ON 0 lux with IR
Lens	8~32mm @ F1.4 Auto Focus	2.8-12mm @ F1.4 Auto Focus	8-32mm @ F1.4 Auto Focus	2.8-12mm @ F1.4 Auto Focus	8~32mm @ F1.4 Auto Focus
Angle of View	27.8°~9.1°	113°~33.8°	31.2°~10.2°	91.2° ~ 28.3°	26°~8.54°
Adjustment Range	3-Axis Positioning	3-Axis Positioning	3-Axis Positioning	3-Axis Positioning	3-Axis Positioning
Day & Night	True	True	True	True	True
BLC/WDR	120dB	140dB	140dB	120dB	120dB
IR	Up to 80m	EXIR Up to 30m	EXIR Up to 80m	Up to 30m	Up to 80m
Video Compression	H.264/MPEG4/MJPEG	H.264/MJPEG	H.264/MJPEG	H.264/MPEG4/MJPEG	H.264/MPEG4/MJPEG
Max. Image Resolution	1280 X 960	1920 × 1080	1920 × 1080	2048 × 1536	2048 × 1536
Frame Rate	30fps (1280 × 960), 60fps (1280 × 720) @ WDR OFF	60fps (1920 × 1080) 60fps (1280 × 960) 60fps (1280 × 720) @ WDR OFF	60fps (1920 × 1080) 60fps (1280 × 960) 60fps (1280 × 720) @ WDR OFF	20fps (2048 × 1536) 30fps (1920 × 1080) 30fps (1280 × 720)	20fps (2048 × 1536) 30fps (1920 × 1080) 30fps (1280 × 720)
Multi-Streaming	Triple Stream	Triple Stream	Triple Stream	Triple Stream	Triple Stream
Intelligent Video	Smart Features *	Smart Features *	Smart Features *	Smart Features *	Smart Features *
SD Card	Built-in Micro SD/SDHC/SDXC slot, up to 64 GB	Built-in Micro SD/SDHC/SDXC slot, up to 64 GB	Built-in Micro SD/SDHC/SDXC slot, up to 64 GB	Built-in Micro SD/SDHC/SDXC slot, up to 64 GB	Built-in Micro SD/SDHC/SDXC slot, up to 64 GB
Ratings	IP66	IP66	IP66	IP66	IP66
Operating Conditions	-40°C ~ 60°C (-40°F ~140°F); Humidity 95% or less (non-condensing)	-40°C ~ 60°C (-40°F ~140°F); Humidity 95% or less (non-condensing)	-40°C ~ 60°C (-40°F ~140°F); Humidity 95% or less (non-condensing)	-40°C ~ 60°C (-40°F ~140°F); Humidity 95% or less (non-condensing)	-40°C ~ 60°C (-40°F ~140°F); Humidity 95% or less (non-condensing)
Power/PoE	12 V DC ± 10% / PoE+ (802.3at) Max. 12W	12 V DC ± 10% / PoE+ (802.3at) Max. 18W	12 V DC ± 10% / PoE+ (802.3at) Max. 18W	12 V DC ± 10% / PoE+ (802.3at) Max. 12W	12 V DC ± 10% / PoE+ (802.3at) Max. 12W

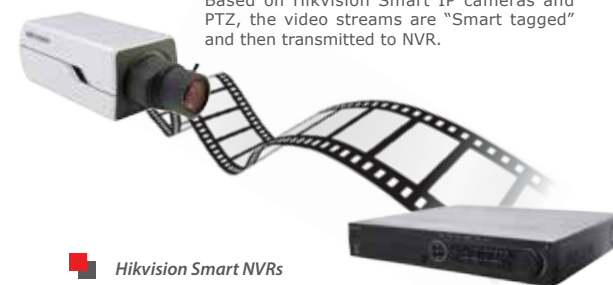
Why Smart IP ?

Smart IP is the latest concept that brings intelligence, efficiency, and convenience to modern video surveillance. Enriched with Smart technologies, Hikvision's new Smart IP cameras, Smart PTZ Dome cameras, and Smart NVRs are all specifically designed to deliver smart security in the modern marketplace.

Representing this concept is Hikvision's 4-line Smart IP Camera Series. Meeting all bandwidth and storage utilization requirements, this series offers unparalleled image quality and customer convenience. Similarly, Hikvision's Smart PTZ Dome Camera Series features excellent HD, smooth Pan/Tilt/Zoom, and smart tracking functions to ensure the elimination of all blind spots within the camera's area of coverage. At the core of this solution is Hikvision's Smart NVR series. With the ability to connect all Hikvision Smart cameras together, this NVR series simplifies the process even further. Features such as live viewing, recorded video, smart video playback, and event playback/backup are available. In addition to these features, this Smart NVR series is also notable for multi-channel recording, HD video preview, massive storage capacity, and system stability, providing an ideal choice for professional surveillance applications.

Hikvision Smart IP Cameras

Based on Hikvision Smart IP cameras and PTZ, the video streams are "Smart tagged" and then transmitted to NVR.



Hikvision Smart NVRs








With Hikvision Smart IP Solution, one can easily track an illegally parked vehicle, a specific person's face, or vandalism of camera equipment via the Smart Search & Playback feature.

Professional Solutions

Smart Features * : Motion detection, Tampering alarm, Line crossing, Intrusion detection, Facial detection, Audio detection, Scene changing detection, People counting.



Outdoor Fixed Vandal Dome

Model	DS-2CD4312FWD-IZHS	DS-2CD4312FWD-IZHS8	DS-2CD4324FWD-IZHS	DS-2CD4324FWD-IZHS8	DS-2CD4525FWD-IZH	DS-2CD4332FWD-IZHS	DS-2CD4332FWD-IZHS8
	 1.3MP	 1.3MP	 2.0MP	 2.0MP	 2.0MP	 3.0MP	 3.0MP
Image Sensor	1/3" Progressive Scan CMOS	1/3" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS	1/3" Progressive Scan CMOS	1/3" Progressive Scan CMOS
Min. Illumination (lux)	0.014 Lux @ F1.4 AGC ON 0 lux with IR	0.014 Lux @ F1.4 AGC ON 0 lux with IR	0.014 Lux @ F1.4 AGC ON 0 lux with IR	0.014 Lux @ F1.4 AGC ON 0 lux with IR	0.014 Lux @ F1.4 AGC ON 0 lux with IR	0.14 Lux @ F1.4 AGC ON 0 lux with IR	0.14 Lux @ F1.4 AGC ON 0 lux with IR
Lens	2.8-12mm @ F1.4 Auto Focus	8~32mm @ F1.4 Auto Focus	2.8-12mm @ F1.4 Auto Focus	8~32mm @ F1.4 Auto Focus	2.8-12mm @ F1.4 Auto Focus	2.8-12mm @ F1.4 Auto Focus	8-32mm @ F1.4 Auto Focus
Angle of View	98.4°-30.2°	27.8°-9.1°	113°-33.8°	31.2°~10.2°	113°~33.8°	91.2°-28.3°	26°-8.54°
Adjustment Range	Pan:0° - 355° Tilt: 0° - 75° Rotation: 0° - 355°	Pan:0° - 355° Tilt: 0° - 75° Rotation: 0° - 355°	Pan:0° - 355° Tilt: 0° - 75° Rotation: 0° - 355°	Pan:0° - 355° Tilt: 0° - 75° Rotation: 0° - 355°	Pan:0° - 355° Tilt: 0° - 75° Rotation: 0° - 355°	Pan:0° - 355° Tilt: 0° - 75° Rotation: 0° - 355°	Pan:0° - 355° Tilt: 0° - 75° Rotation: 0° - 355°
Day & Night	True	True	True	True	True	True	True
BLC/WDR	120dB	120dB	120dB	120dB	140dB	120dB	120dB
IR	Up to 30m	Up to 50m	Up to 30m	Up to 50m	Up to 30m	Up to 30m	Up to 50m
Video Compression	H.264/MPEG4/MJPEG	H.264/MPEG4/MJPEG	H.264/MPEG4/MJPEG	H.264/MPEG4/MJPEG	H.264/MJPEG	H.264/MPEG4/MJPEG	H.264/MPEG4/MJPEG
Max. Image Resolution	1280 × 960	1280 × 960	1920 × 1080	1920 × 1080	1920 × 1080	2048 × 1536	2048 × 1536
Frame Rate	30fps (1280 × 960) 60fps (1280 × 720) @ WDR OFF	30fps (1280 × 960) 60fps (1280 × 720) @ WDR OFF	60fps (1920 × 1080) 60fps (1280 × 960) 60fps (1280 × 720) @ WDR OFF	60fps (1920 × 1080) 60fps (1280 × 960) 60fps (1280 × 720) @ WDR OFF	60fps (1920 × 1080) 60fps (1280 × 960) 60fps (1280 × 720) @ WDR OFF	20fps (2048 × 1536) 30fps (1920 × 1080) 30fps (1280 × 720)	20fps (2048 × 1536) 30fps (1920 × 1080) 30fps (1280 × 720)
Multi-Streaming	Triple Stream	Triple Stream	Triple Stream	Triple Stream	Triple Stream	Triple Stream	Triple Stream
Intelligent Video	Smart Features *	Smart Features *	Smart Features *	Smart Features *	Smart Features *	Smart Features *	Smart Features *
Audio Input/Output	1/1	1/1	1/1	1/1	1/1	1/1	1/1
Alarm Input/Output	2/2	2/2	2/2	2/2	1/1	2/2	2/2
SD Card	Built-in Micro SD/SDHC/SDXC slot, up to 64 GB	Built-in Micro SD/SDHC/SDXC slot, up to 64 GB	Built-in Micro SD/SDHC/SDXC slot, up to 64 GB	Built-in Micro SD/SDHC/SDXC slot, up to 64 GB	Built-in Micro SD/SDHC/SDXC slot, up to 64 GB	Built-in Micro SD/SDHC/SDXC slot, up to 64 GB	Built-in Micro SD/SDHC/SDXC slot, up to 64 GB
Ratings	IP66/IK10	IP66/IK10	IP66/IK10	IP66/IK10	IP66/IK10	IP66/IK10	IP66/IK10
Operating Conditions	-40°C ~ 60°C (-40°F ~140°F); Humidity 95% or less (non-condensing)	-40°C ~ 60°C (-40°F ~140°F); Humidity 95% or less (non-condensing)	-40°C ~ 60°C (-40°F ~140°F); Humidity 95% or less (non-condensing)	-40°C ~ 60°C (-40°F ~140°F); Humidity 95% or less (non-condensing)	-40°C ~ 60°C (-40°F ~140°F); Humidity 95% or less (non-condensing)	-40°C ~ 60°C (-40°F ~140°F); Humidity 95% or less (non-condensing)	-40°C ~ 60°C (-40°F ~140°F); Humidity 95% or less (non-condensing)
Power/PoE	24 V AC ± 10% /PoE (802.3af) Max. 12W	24 V AC ± 10% /PoE (802.3af) Max. 12W	24 V AC ± 10% / PoE+ (802.3at) Max. 15W	24 V AC ± 10% / PoE+ (802.3at) Max. 15W	24 V AC ± 10%, 12 V DC ± 10%, PoE+ (802.3at) Max. 17W	24 V AC ± 10% /PoE (802.3af) Max. 12W	24 V AC ± 10% /PoE (802.3af) Max. 12W

Smart Features * : Motion detection, Tampering alarm, Line crossing, Intrusion detection, Facial detection, Audio detection, Scene changing detection, People counting.




Fisheye

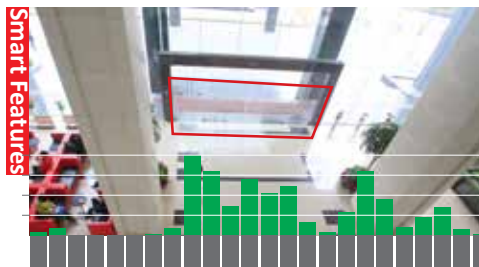
Covert Network Cameras

Model	DS-2CD6332FWD-I	DS-2CD6332FWD-IV	DS-2CD6362F-I	DS-2CD6362F-IV	DS-2CD6412FWD-C2	DS-2CD6412FWD-L10	DS-2CD6412FWD-L20	DS-2CD6412FWD-L30	
Image Sensor	1/3" Progressive Scan CMOS	1/3" Progressive Scan CMOS	1/1.8" progressive Scan CMOS	1/1.8" progressive Scan CMOS		1/3" Progressive Scan CMOS	1/3" Progressive Scan CMOS	1/3" Progressive Scan CMOS	
Min. Illumination (lux)	0.28 Lux @ F2.0 AGC ON 0 lux with IR	0.28 Lux @ F2.0 AGC ON 0 lux with IR	0.3 Lux @ F2.8 AGC ON 0 lux with IR	0.3 Lux @ F2.8 AGC ON 0 lux with IR		0.04 Lux @ F2.3 AGC ON	0.04 Lux @ F2.3 AGC ON	0.04 Lux @ F2.0 AGC ON	
Lens	1.19mm @ F2.0	1.19mm @ F2.0	1.27mm @ F2.8	1.27mm @ F2.8		3.7mm @ F2.3	3.7mm @ F2.3	2.8, 4mm @ F2.0	
Angle of View	360°	360°	360°	360°		63°	63°	92.5, °73.1°	
Day & Night	True	True	True	True		Electronic	Electronic	Electronic	
BLC/WDR	120dB	120dB	DWDR	DWDR	120dB WDR				
IR	10m	10m	10m	10m					
Video Compression	H.264/MJPEG	H.264/MJPEG	H.264/MJPEG	H.264/MJPEG	H.264/MPEG4/MJPEG				
Max. Image Resolution	2048 × 1536	2048 × 1536	3072 × 2048	3072 × 2048	1280 × 960				
Frame Rate	High-frame mode: 60Hz: 1 × fisheye (2048*1536, 30fps) or (1536 × 1536, 30fps) or 4 × PTZ (800 × 600, 30fps) Multi-channel Mode: 60Hz: 1 × fisheye (1536 × 1536, 20fps) and 1 × panoramic (1600 × 1200, 20fps) and 3 × PTZ (800 × 600, 20fps)	High-frame mode: 60Hz: 1 × fisheye (2048*1536, 30fps) or (1536 × 1536, 30fps) or 4 × PTZ (800 × 600, 30fps) Multi-channel Mode: 60Hz: 1 × fisheye (1536 × 1536, 20fps) and 1 × panoramic (1600 × 1200, 20fps) and 3 × PTZ (800 × 600, 20fps)	High-frame Mode: 60Hz: 1 × fisheye (3072 × 2048, 30fps) or (2048 × 2048, 30fps) or 4 × PTZ (1024 × 768, 30fps) Multi-channel Mode: 60Hz: 1 × fisheye (1280 × 1280, 15fps) and 1 × panoramic (2048 × 1536, 15fps) and 3 × PTZ (1024 × 768, 15fps)	High-frame Mode: 60Hz: 1 × fisheye (3072 × 2048, 30fps) or (2048 × 2048, 30fps) or 4 × PTZ (1024 × 768, 30fps) Multi-channel Mode: 60Hz: 1 × fisheye (1280 × 1280, 15fps) and 1 × panoramic (2048 × 1536, 15fps) and 3 × PTZ (1024 × 768, 15fps)		30 fps (1280x960) 30 fps (1280x720)			
Multi-Streaming	High Frame Rate Mode; Multi-Channel Mode; Mode 3; Mode 4	High Frame Rate Mode; Multi-Channel Mode; Mode 3; Mode 4	High Frame Rate Mode; Multi-Channel Mode; Mode 3; Mode 4	High Frame Rate Mode; Multi-Channel Mode; Mode 3; Mode 4	Triple Stream				
Motion Detection	Yes	Yes	Yes	Yes	Smart Features *				
Audio Input/Output	Built-in Speaker and Mic	Built-in Speaker and Mic	Built-in Speaker and Mic	Built-in Speaker and Mic	3.5mm Audio In (Mic in/Line in) / Line out				
Alarm Input/Output					1/1				
SD Card	Built-in Micro SD/SDHC/SDXC slot, up to 64 GB	Built-in Micro SD/SDHC/SDXC slot, up to 64 GB	Built-in Micro SD/SDHC/SDXC slot, up to 64 GB	Built-in Micro SD/SDHC/SDXC slot, up to 64 GB	Built-in Micro SD/SDHC/SDXC slot, up to 64 GB				
Ratings		IP66/IK10		IP66/IK10					
Operating Conditions	-30 °C ~ 60 °C (-22 °F ~ 140 °F) ; Humidity 95% or less (non-condensing)	-30 °C ~ 60 °C (-22 °F ~ 140 °F) ; Humidity 95% or less (non-condensing)	-30 °C ~ 60 °C (-22 °F ~ 140 °F) Humidity 95% or less (non-condensing)	-30 °C ~ 60 °C (-22 °F ~ 140 °F) Humidity 95% or less (non-condensing)	-30 °C ~ 60 °C (-22 °F ~ 140 °F) Humidity 95% or less (non-condensing)	-30 °C ~ 60 °C (-22 °F ~ 140 °F) humidity 95% or less (non-condensing)	-30 °C ~ 60 °C (-22 °F ~ 140 °F) humidity 95% or less (non-condensing)	-30 °C ~ 60 °C (-22 °F ~ 140 °F) humidity 95% or less (non-condensing)	
Power/PoE	12 V DC ± 10% / PoE (802.3af) Max. 12W	12 V DC ± 10% / PoE (802.3af) Max. 12W	12 V DC ± 10% / PoE (802.3af) Max. 12W	12 V DC ± 10% / PoE (802.3af) Max. 12W	DC12V ± 10%/PoE, (802.3af) Max. 6.5W				

Smart Features * : Motion detection, Tampering alarm, Line crossing, Intrusion detection, Facial detection, Audio detection, Scene changing detection, People counting.

Indoor, Outdoor Fixed Dome, Bullet Cameras

	DS-2CD783F-E(I)Z	DS-2CD7283F-EIZ	DS-2CD8283F-EIZ
Model	 5.0MP	 5.0MP	 5.0MP
Image Sensor	1/2.5" Progressive Scan CMOS	1/2.5" Progressive Scan CMOS	1/2.5" Progressive Scan CMOS
Min. Illumination (lux)	1 Lux @ F1.6	1 lux @ F1.6 0 lux with IR Remote Zoom/Focus	1 lux @ F1.6 0 lux with IR Remote Zoom/Focus
Lens	3.5 ~ 9 mm @ F1.6 Remote Zoom/Focus	3.5 ~ 9 mm @ F1.6 Remote Zoom/Focus	3.5 ~ 9 mm @ F1.6 Remote Zoom/Focus
Angle of View	92° ~ 36°	92° ~ 36°	92° ~ 36°
Adjustment Range	Pan: 0° - 355°, Tilt: 0° - 75° Rotation: 0° - 355°	Pan: 0 ~ 355° Tilt: 0 ~ 80° Rotation: 0 ~ 355°	Universal Mount
Day & Night	Electronic	True	True
BLC/WDR	BLC	BLC	BLC
IR	I: approx. 20 ~ 30m	approx. 20 ~ 30m	approx. 20 ~ 30m
Video Compression	H.264/MPEG4/MJPEG	H.264/MPEG4/MJPEG	H.264/MPEG4/MJPEG
Max. Image Resolution	2560 × 1920	2560 × 1920	2560 × 1920
Frame Rate	7.5 fps (2560 × 1920) 15 fps (2048 × 1536) 30 fps (1920 × 1080) 30 fps (1600 × 1200) 30 fps (1280 × 720)	7.5 fps (2560 × 1920) 15 fps (2048 × 1536) 30 fps (1920 × 1080) 30 fps (1600 × 1200) 30 fps (1280 × 720)	7.5 fps (2560 × 1920) 15 fps (2048 × 1536) 30 fps (1920 × 1080) 30 fps (1600 × 1200) 30 fps (1280 × 720)
Multi-Streaming	Yes	Yes	Yes
Intelligent Video	Motion detection Audio detection Tampering alarm	Motion detection Audio detection Tampering alarm	Motion detection Audio detection Tampering alarm
Audio Input/Output	1/1		
Alarm Input/Output	2/2		
SD Card	Up to 32GB	Up to 32GB	Up to 32GB
Ratings	IK10	IP66/IK10	IP66
Operating Conditions	-10°C ~ 60°C (14°F ~ 140°F), humidity 90% or less (non-condensing)	-10°C ~ 60°C (14°F ~ 140°F), humidity 90% or less (non-condensing)	-10°C ~ 60°C (14°F ~ 140°F), humidity 90% or less (non-condensing)
Power/PoE	12 V DC / PoE Max. 8.5W	24 V AC / PoE Max. 12W	12 V DC / PoE Max. 12W



People Counting

This series supports counting of individuals via a defined area. Additionally, a statistical report is generated to help end-users better evaluate their customer flow data and trends.



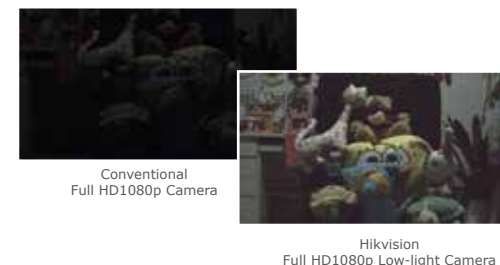
Anti-erosion Housing

Hikvision's 4-line outdoor IP cameras include housing coated with special anti-erosion paint that is resistant to sea salt (customization process required).



Intrusion Detection

In the case of intrusion detection, the 4-line camera simultaneously auto-triggers the alarm and event recording. Applying the latest algorithms, it automatically analyzes the intruder's dimension ratio to reduce false alarms. These features are extremely beneficial for defined area protection.



Low-light

The newest generation of Hikvision low-light technology allows excellent visibility even in extremely dim lighting conditions.



3D DNR



Compared to traditional DNR technology, 3D DNR decreases random noise in dark images, delivering accurate and sharp image quality when capturing moving images in low-light conditions.



Up to 60fps

Certain applications require detailed surveillance, such as cash handling areas. Hikvision's 4-Line Smart IP camera with its high frame rate in HD / Full HD resolution can capture detailed images with supreme image quality.








Smart IP PTZs

Model	DS-2DF6330V-AEL (Available 2015 Q1)	DS-2DF8330IV-AEL (Available 2015 Q1)	DS-2DF6230-AEL (Available 2015 Q1)	DS-2DF8230IV-AEL (Available 2015 Q1)	DS-2DF5220S-DE4/W (Available 2015 Q1)	DS-2DF7276-AEL	DS-2DF5276-AEL	DS-2DF5276-AE3
	 3.0MP	 3.0MP	 2.0MP	 2.0MP	 2.0MP	 1.3MP	 1.3MP	 1.3MP
Image Sensor	1/3" Progressive Scan CMOS	1/3" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS	1/3" Progressive Scan CMOS	1/3" Progressive Scan CMOS	1/3" Progressive Scan CMOS
Min. Illumination (lux)	Color : 0.3 lux F1.6, AGC On B/W : 0.02 lux F1.6, AGC On	Color : 0.3 lux F1.6, AGC On B/W : 0.02 lux F1.6, AGC On	Color : 0.3 lux F1.6, AGC On B/W : 0.02 lux F1.6, AGC On	Color : 0.3 lux F1.6, AGC On B/W : 0.02 lux F1.6, AGC On	Color : 0.3 lux F1.6, AGC On B/W : 0.02 lux F1.6, AGC On	Color : 0.05 lux @ F1.6, AGC On B/W : 0.005 lux @ F1.6, AGC On 0 Lux with IR	Color : 0.05 lux @ F1.6, AGC On B/W : 0.005 lux @ F1.6, AGC On 0 Lux with IR	Color : 0.05 lux @ F1.6, AGC On B/W : 0.005 lux @ F1.6, AGC On 0 Lux with IR
Lens	4.3-135.0mm	4.5-135.0mm	4.3 ~ 129.0mm	4.3 ~ 129.0mm	4.7-94mm	4.3 ~ 129.0mm	4.3 ~ 129.0mm	4.3 ~ 129.0mm
Optical Zoom	30x	30x	30x	30x	20x	30x	30x	30x
Max. Image Resolution	2048x1536	2048x1536	1920 x 1080	1920 x 1080	1920x1080	1280 x 960	1280 x 960	1280 x 960
Video Compression	H.264/MJPEG/MPEG4	H.264/MJPEG/MPEG4	H.264/MJPEG/MPEG4	H.264/MJPEG/MPEG4	H.264/MJPEG/MPEG4	H.264/MJPEG/MPEG4	H.264/MJPEG/MPEG4	H.264/MJPEG/MPEG4
Frame Rate	30fps(2048x1536) 30fps(1920x1080) 30fps(1280x720)	30fps(2048x1536) 30fps(1920x1080) 30fps(1280x720)	30 fps (1920x1080) 30 fps (1280x960) 30 fps (1280x720)	30 fps (1920x1080) 30 fps (1280x960) 30 fps (1280x720)	30 fps (1920x1080) 30 fps (1280x960) 30 fps (1280x720)	30 fps (1280x960) 30 fps (1280x720)	30 fps (1280x960) 30 fps (1280x720)	30 fps (1280x960) 30 fps (1280x720)
Pan Range	360° endless	360° endless	360° endless	360° endless	360° endless	360° endless	360° endless	360° endless
Pan & Tilt Speed (Manual)	Pan Manual Speed: 0.1°-300°/s, Tilt Manual Speed: 0.1°-240°/s	Pan Manual Speed: 0.1° ~ 160°/s, Tilt Manual Speed: 0.1° ~ 120°/s	Pan Manual Speed: 0.1°-300°/s, Tilt Manual Speed: 0.1°-240°/s	Pan Manual Speed: 0.1°-160°/s, Tilt Manual Speed: 0.1°-120°/s	Pan Manual Speed: 0.1°-160°/s, Tilt Manual Speed: 0.1°-120°/s	Pan Manual Speed: 0.1° ~ 160°/s, Tilt Manual Speed: 0.1° ~ 120°/s	Pan Manual Speed: 0.1° ~ 300°/s, Tilt Manual Speed: 0.1° ~ 240°/s	Pan Manual Speed: 0.1° ~ 300°/s, Tilt Manual Speed: 0.1° ~ 240°/s
Pan & Tilt Speed (Preset)	Pan Preset Speed: 540°/s Tilt Preset Speed: 400°/s	Pan Preset Speed: 240°/s Tilt Preset Speed: 200°/s	Pan Preset Speed: 540°/s Tilt Preset Speed: 400°/s	Pan Preset Speed: 240°/s Tilt Preset Speed: 200°/s	Pan Preset Speed: 240°/s Tilt Preset Speed: 200°/s	Pan Preset Speed: 240°/s Tilt Preset Speed: 200°/s	Pan Preset Speed: 540°/s Tilt Preset Speed: 400°/s	Pan Preset Speed: 540°/s Tilt Preset Speed: 400°/s
Tilt Range	-15°-90°(Auto Flip)	-15°-90°(Auto Flip)	-15°-90°(Auto Flip)	-15°-90°(Auto Flip)	-30° ~ 90°(Auto Flip)	-2° ~ 90° (Auto Flip)	-5° ~ 90°(Auto Flip)	-5° ~ 90°(Auto Flip)
Day & Night	True	True	True	True	True	True	True	True
BLC/WDR	BLC/DWDR	BLC/DWDR	120dB	120dB	BLC/DWDR	BLC/DWDR	BLC/DWDR	BLC/DWDR
IR / Range		200m		200m		150m		
SD Card	Built-in Micro SD/SDHC/SDXC card Slot, up to 64GB	Built-in Micro SD/SDHC/SDXC card Slot, up to 64GB	Built-in Micro SD/SDHC/SDXC card Slot, up to 64GB	Built-in Micro SD/SDHC/SDXC card Slot, up to 64GB	Built-in Micro SD/SDHC/SDXC card Slot, up to 64GB	Built-in SD/SDHC Slot, up to 32GB,	Built-in SD/SDHC Slot, up to 32GB,	Built-in SD/SDHC Slot, up to 32GB,
Working Temperature / Humidity	24 V AC: -40°C - 65°C (-40°F-149°F) Hi-PoE: -30°C - 65°C (-22°F-149°F) / 90% or less	24 V AC: -40°C - 65°C (-40°F-149°F) Hi-PoE: -30°C - 65°C (-22°F-149°F) / 90% or less	24 V AC: -40°C - 65°C (-40°F-149°F) Hi-PoE: -30°C - 65°C (-22°F-149°F) / 90% or less	24 V AC: -40°C - 65°C (-40°F-149°F) Hi-PoE: -30°C - 65°C (-22°F-149°F) / 90% or less	-10°C ~ 50°C (14°F ~ 122°F) / 90% or less	24 V AC: -40°C - 65°C (-40°F-149°F) Hi-PoE: -30°C - 65°C (-22°F-149°F) / 90% or less	24 V AC: -40°C - 65°C (-40°F-149°F) Hi-PoE: -30°C - 65°C (-22°F-149°F) / 90% or less	-10°C ~ 50°C (14°F ~ 122°F) / 90% or less
Power	24 V AC: 60W max Hi-PoE: 40W max	24 V AC: 60W max Hi-PoE: 50W max	24 V AC: 60W max Hi-PoE: 40W max	24 V AC: 60W max Hi-PoE: 50W max	12 V DC / PoE+ : Max. 25W	24 V AC: 60W max Hi-PoE: 50W max	24 V AC: 60W max Hi-PoE: 40W max	24 V AC / PoE+ : Max. 25W

7 Smart IP PTZs & Darkfighter

Smart IP PTZs








Dark Fighter Series (PTZs & Box Camera)

Model	DS-2DF7286-AEL	DS-2DF5286-AEL	DS-2DF5286-AE3	DS-2DF6223-AEL	DS-2DF8223I-AEL	Model	DS-2CD6026FHW-A3	DS-2CD6026FHW-A11
	 2.0MP	 2.0MP	 2.0MP	 2.0MP	 2.0MP			
Image Sensor	1/2.8" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS	1/1.9" Progressive Scan CMOS	1/3" Progressive Scan CMOS	Image Sensor	1/2" Progressive Scan CMOS	1/2" Progressive Scan CMOS
Min. Illumination (lux)	Color : 0.4 lux @ F1.6,1/30 sec, 50 IRE, AGC on, B/W : 0.03 lux@ F1.6,1/30 sec, 50 IRE, AGC on, 0 lux with IR	Color : 0.4 lux @ F1.6,1/30 sec, 50 IRE, AGC on, B/W : 0.03 lux@ F1.6,1/30 sec, 50 IRE, AGC on, 0 lux with IR	Color : 0.4 lux @ F1.6,1/30 sec, 50 IRE, AGC on, B/W : 0.03 lux@ F1.6,1/30 sec, 50 IRE, AGC on, 0 lux with IR	Color : 0.005 lux @ F1.5, AGC On, B/W : 0.0005 lux @ F1.5, AGC On	Color : 0.005 lux @ F1.5, AGC On, B/W : 0.0005 lux @ F1.5, AGC On	Min. Illumination (lux)	Color: 0.016 Lux @ F1.5, AGC ON; B/W: 0.016 Lux @ F1.5, AGC ON	Color: 0.016 Lux @ F1.5, AGC ON; B/W: 0.016 Lux @ F1.5, AGC ON
Lens	4.3 ~ 129.0mm	4.3 ~ 129.0mm	4.3 ~ 129.0mm	5.9-135.7mm	5.9-135.7mm	Lens	3.8 ~ 16mm @ F1.5 Auto Back Focus	11 ~ 40mm @ F1.5 Auto Back Focus
Optical Zoom	30x	30x	30x	23x	23x	Day & Night	True	True
Max. Image Resolution	1920 × 1080	1920 × 1080	1920 × 1080	1920 × 1080	1920 × 1080	BLC/WDR	120dB	120dB
Video Compression	H.264/MJPEG/MPEG4	H.264/MJPEG/MPEG4	H.264/MJPEG/MPEG4	H.264/MJPEG/MPEG4	H.264/MJPEG/MPEG4	Video Compression	H.264/MPEG4/MJPEG	H.264/MPEG4/MJPEG
Frame Rate	30 fps (1920×1080) 30 fps (1280×960) 30 fps (1280×720)	30 fps (1920×1080) 30 fps (1280×960) 30 fps (1280×720)	30 fps (1920×1080) 30 fps (1280×960) 30 fps (1280×720)	30 fps (1920×1080) 30 fps (1280×960) 30 fps (1280×720)	30 fps (1920×1080) 30 fps (1280×960) 30 fps (1280×720)	Max. Image Resolution	1920 × 1080	1920 × 1080
Pan Range	360° endless	360° endless	360° endless	360° endless	360° endless	Frame Rate	WDR OFF: 60fps (1920 × 1080) 60fps (1280 × 960) 60fps (1280 × 720) WDR ON: 30fps (1920 × 1080) 30fps (1280 × 960) 30fps (1280 × 720)	WDR OFF: 60fps (1920 × 1080) 60fps (1280 × 960) 60fps (1280 × 720) WDR ON: 30fps (1920 × 1080) 30fps (1280 × 960) 30fps (1280 × 720)
Pan & Tilt Speed (Manual)	Pan Manual Speed: 0.1° ~ 160°/s, Tilt Manual Speed: 0.1° ~ 120°/s	Pan Manual Speed: 0.1° ~ 300°/s, Tilt Manual Speed: 0.1° ~ 240°/s	Pan Manual Speed: 0.1° ~ 300°/s, Tilt Manual Speed: 0.1° ~ 240°/s	Pan Manual Speed: 0.1° ~ 300°/s, Tilt Manual Speed: 0.1° ~ 240°/s	Pan Manual Speed: 0.1° ~ 160°/s, Tilt Manual Speed: 0.1° ~ 120°/s	Multi-Streaming	Triple Stream	Triple Stream
Pan & Tilt Speed (Preset)	Pan Preset Speed: 240°/s Tilt Preset Speed: 200°/s	Pan Preset Speed: 540°/s Tilt Preset Speed: 400°/s	Pan Preset Speed: 540°/s Tilt Preset Speed: 400°/s	Pan Preset Speed: 540°/s Tilt Preset Speed: 400°/s	Pan Preset Speed: 240°/s Tilt Preset Speed: 200°/s	Intelligent Video	Smart Features *	Smart Features *
Tilt Range	-2° ~ 90° (Auto Flip)	-5°~90°(Auto Flip)	-5°~90°(Auto Flip)	-15°~90°(Auto Flip)	-15°~90°(Auto Flip)	Audio Input/Output	1-ch 3.5 mm audio interface, Mic in/Line in 1 built-in Microphone // 1-ch 3.5 mm audio interface	1-ch 3.5 mm audio interface, Mic in/Line in 1 built-in Microphone // 1-ch 3.5 mm audio interface
Day & Night	True	True	True	True	True	Alarm Input/Output	1/1	1/1
BLC/WDR	BLC/DWDR	BLC/DWDR	BLC/DWDR	120dB	120dB	SD Card	Built-in Micro SD/SDHC/SDXC slot, up to 64 GB	Built-in Micro SD/SDHC/SDXC slot, up to 64 GB
IR / Range	150m				200m	Operating Conditions	-30°C ~ 60°C (-22 °F ~ 140 °F) Humidity 95% or less (non-condensing)	-30°C ~ 60°C (-22 °F ~ 140 °F) Humidity 95% or less (non-condensing)
SD Card	Built-in SD/SDHC Slot, up to 32GB	Built-in SD/SDHC Slot, up to 32GB	Built-in SD/SDHC Slot, up to 32GB	Built-in Micro SD/SDHC/SDXC card Slot, up to 64GB	Built-in Micro SD/SDHC/SDXC card Slot, up to 64GB	Power/PoE	24 V AC ± 10%, 12 V DC ± 10%, PoE (802.3af)	24 V AC ± 10%, 12 V DC ± 10%, PoE (802.3af)
Working Temperature / Humidity	24 V AC: -40°C - 65°C (-40°F-149°F) Hi-PoE: -30°C - 65°C (-22°F-149°F) / 90% or less	24 V AC: -40°C - 65°C (-40°F-149°F) Hi-PoE: -30°C - 65°C (-22°F-149°F) / 90% or less	-10°C ~ 50°C (14°F ~ 122°F) / 90% or less	24 V AC: -40°C - 65°C (-40°F-149°F) Hi-PoE: -30°C - 65°C (-22°F-149°F) / 90% or less	24 V AC: -40°C - 65°C (-40°F-149°F) Hi-PoE: -30°C - 65°C (-22°F-149°F) / 90% or less			
Power	24 V AC: 60W max Hi-PoE: 50W max	24 V AC: 60W max Hi-PoE: 40W max	24 V AC / PoE+ : Max. 25W	24 V AC: 60W max Hi-PoE: 40W max	24 V AC: 60W max Hi-PoE: 50W max			




Smart Features * : Motion detection, Tampering alarm, Line crossing, Intrusion detection, Facial detection, Audio detection, Scene changing detection, People counting.

NVRs-9600 Series

NVR Raid

	DS-9616NI-ST	DS-9632NI-ST	DS-9664NI-ST	DS-96128NI-E24/H	DS-96256NI-E24/H	DS-9632NI-RT	DS-9664NI-RT
Model							
Video Compression	H.264	H.264	H.264	H.264	H.264	H.264	H.264
IP Video Input	16-ch IP (100 Mbps Bit Rate Input Max)	32-ch IP (200 Mbps Bit Rate Input Max)	64-ch IP (200 Mbps Bit Rate Input Max)	128-ch (400 Mbps Bit Rate Input Max)	256-ch (640 Mbps Bit Rate Input Max)	32-ch IP (200 Mbps Bit Rate Input Max)	64-ch IP (200 Mbps Bit Rate Input Max)
HDMI/VGA Output	1920x1080 (HDMI) 1920x1080 (VGA)	1920x1080 (HDMI) 1920x1080 (VGA)	1920x1080 (HDMI) 1920x1080 (VGA)	1920x1080 (HDMI) 1920x1080 (VGA) 6 HDMI Output	1920x1080 (HDMI) 1920x1080 (VGA) 6 HDMI Output	1920x1080 (HDMI) 1920x1080 (VGA)	1920x1080 (HDMI) 1920x1080 (VGA)
Array type				RAID0, RAID1, RAID5, RAID10	RAID0, RAID1, RAID5, RAID10	RAID0, RAID1, RAID5, RAID10	RAID0, RAID1, RAID5, RAID10
Internal SATA	8 SATA interfaces (up to 4TB each)	8 SATA interfaces (up to 4TB each)	8 SATA interfaces (up to 4TB each)	24 SATA (up to 4TB Each) RAID - Standard	24 SATA (up to 4TB Each) RAID - Standard	8 SATA interfaces (Enterprise Rated HDDs are required)	8 SATA interfaces (Enterprise Rated HDDs are required)
USB	3	3	3	2 USB3.0	2 USB3.0	3	3
Alarm Input/Output	16/4	16/4	16/4	16/8	16/8	16/4	16/4
Power	100~240 V AC, 50~60Hz, 6.3A, ≤45w without HDD	100~240 V AC, 50~60Hz, 6.3A, ≤45w without HDD	100~240 V AC, 50~60Hz, 6.3A, ≤45w without HDD	100~240 V AC, 6.3A, 50~60Hz Redundant Power, ≤450W without HDD	100~240 V AC, 6.3A, 50~60Hz Redundant Power, ≤450W without HDD	100~240 V AC	100~240 V AC

PoE Switch

	DS-3D2208P	DS-3D2216P	DS-3D2228P
Model			
Ports	8 10/100M TX 2 10/100/1000M TX 2 gigabit TX/SFP combo ports 1 console ports	16 10/100M TX 2 10/100/1000M TX 2 gigabit TX/SFP combo ports 1 console ports	24 10/100M TX 4 10/100/1000M TX 4 gigabit TX/SFP combo ports 1 console ports
PoE Budget	8 ports 802.3af (up to 15.4W/port) or 5 ports 802.3at (up to 30W/port)	16 ports 802.3af (up to 15.4W/port) or 12 ports 802.3at (up to 30W/port)	24 ports 802.3af (up to 15.4W/port) or 12 ports 802.3at (up to 30W/port)
Forwarding	4.2 Mpps	5.4 Mpps	9.6 Mpps
Backplane	5.6 Gbps	7.2 Gbps	12.8 Gbps
Operating Conditions	Working temperature: 0°C-50°C Storage temperature: -40°C-70°C Humidity: 0-90% no condensation		
Power Consumption	110-240 V AC 170W Max.	110-240 V AC 400W Max.	110-240 V AC 400W Max.
Dimensions	340x250x44mm	442x315x44mm	442x315x44mm










Smart Playback








Smart NVRs use Smart technology to increase playback efficiency and play video footage at different speeds: normal and 16x. Additionally, Hikvision's Smart NVR series makes searching through recorded data a far more efficient endeavor with 3 different video search criteria: traversing virtual plane, intrusion detection, and motion detection.

EXIR








Vari-focal

	DS-2CD2212-I5	DS-2CD2232-I5	DS-2CD2312-I	DS-2CD2332-I	DS-2CD2T12-I5	DS-2CD2T32-I5	DS-2CD2612F-I
Model	 1.3MP	 3.0MP	 1.3MP	 3.0MP	 1.3MP	 3.0MP	 1.3MP
Image Sensor	1/3" Progressive Scan CMOS	1/3" Progressive Scan CMOS	1/3" Progressive Scan CMOS	1/3" Progressive Scan CMOS	1/3" Progressive Scan CMOS	1/3" Progressive Scan CMOS	1/3" Progressive Scan CMOS
Min. Illumination (lux)	0.028 lux @ F2.0 0 lux with IR	0.19 lux @ F2.0 0 lux with IR	0.028 lux @ F2.0 0 lux with IR	0.19 lux @ F2.0 0 lux with IR	0.014 lux @ F2.0 0 lux with IR	0.14 lux @ F2.0 0 lux with IR	0.014 lux @ F1.4 0 lux with IR
Lens	4mm @ F2.0 (6, 12mm optional)	4mm @ F2.0 (6, 12mm optional)	4mm @ F2.0 (2.8, 6, 12mm optional)	4mm @ F2.0 (2.8, 6, 12mm optional)	4mm @ F2.0 (6, 12mm optional)	4mm @ F2.0 (6, 12mm optional)	2.8 ~ 12mm @ F1.4
Angle of View	73.1°	70° @ 2048 x 1536 79° @ 1920 x 1080	73.1°	70° @ 2048 x 1536 79° @ 1920 x 1080	73.1°	70°	98.4° ~ 30.2°
Adjustment Range	3-Axis Positioning	3-Axis Positioning	Pan: 0° - 360° Tilt: 0° - 75° Rotation: 0° - 360°	Pan: 0° - 360° Tilt: 0° - 75° Rotation: 0° - 360°	3-Axis Positioning	3-Axis Positioning	3-Axis Positioning
Day & Night	True	True	True	True	True	True	True
BLC/WDR	BLC/DWDR	BLC/DWDR	BLC/DWDR	BLC/DWDR	BLC/DWDR	BLC/DWDR	BLC/DWDR
IR	Up to 50m	Up to 50m	20-30m	20-30m	Up to 50m	Up to 50m	Up to 30m
Video Compression	H.264/MJPEG	H.264/MJPEG	H.264/MJPEG	H.264/MJPEG	H.264/MJPEG	H.264/MJPEG	H.264/MJPEG
Max. Image Resolution	1280 x 960	2048 x 1536	1280 x 960	2048 x 1536	1280 x 960	1280 x 960	1280 x 960
Frame Rate	30 fps (1280 x 960) 30 fps (1280 x 720)	20 fps (2048 x 1536) 30 fps (1920 x 1080) 30 fps (1280 x 720)	30 fps (1280 x 960) 30 fps (1280 x 720)	20 fps (2048 x 1536) 30 fps (1920 x 1080) 30 fps (1280 x 720)	30 fps (1280 x 960) 30 fps (1280 x 720)	30 fps (1280 x 960) 30 fps (1280 x 720)	30 fps (1280 x 960) 30 fps (1280 x 720)
Dual Stream	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Motion Detection	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SD Card							Built-in Micro SD/SDHC/ SDXC card slot, up to 64 GB
Ratings	IP66	IP66	IP66	IP66	IP66	IP66	IP66
Operating Conditions	"-30 °C – 60 °C (-22 °F – 140 °F) Humidity 95% or less (non-condensing)	"-30 °C – 60 °C (-22 °F – 140 °F) Humidity 95% or less (non-condensing)	"-30 °C – 60 °C (-22 °F – 140 °F) Humidity 95% or less (non-condensing)	-30 °C – 60 °C (-22 °F – 140 °F) Humidity 95% or less (non-condensing)	"-30 °C – 60 °C (-22 °F – 140 °F) Humidity 95% or less (non-condensing)	"-30 °C – 60 °C (-22 °F – 140 °F) Humidity 95% or less (non-condensing)	-30 °C – 60 °C (-22 °F – 140 °F) Humidity 95% or less (non-condensing)
Power/PoE	12 V DC ± 10% PoE (802.3af) Max. 9W	12 V DC ± 10% PoE (802.3af) Max. 9W	12 V DC ± 10% PoE (802.3af) Max. 7W	12 V DC ± 10% PoE (802.3af) Max. 7W	12 V DC ± 10% PoE (802.3af) Max. 9W	12 V DC ± 10% PoE (802.3af) Max. 9W	12 V DC ± 10% PoE (802.3af) Max. 7W

PTZs







Model	DS-2DE7184-AE	DS-2DE5184-AE	DS-2DE7174-AE	DS-2DE5174-AE	DS-2DE5184-AE3	DS-2DE4220-AE	DS-2DE2103-DE3
	 2.0MP	 2.0MP	 1.3MP	 1.3MP	 2.0MP	 2.0MP	 1.0MP
Image Sensor	1/2.8" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS	1/3" Progressive Scan CMOS	1/3" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS
Min. Illumination (lux)	Color: 0.05Lux @ F1.6, AGC ON B/W: 0.01Lux @ F1.6, AGC ON 0 Lux with IR	Color: 0.05Lux @ F1.6, AGC ON B/W: 0.01Lux @ F1.6, AGC ON	Color: 0.05Lux @ F1.4, AGC ON B/W: 0.01Lux @ F1.4, AGC ON 0 Lux with IR	Color: 0.05Lux @ F1.4, AGC ON B/W: 0.01Lux @ F1.4, AGC ON	Color: 0.05Lux @ F1.6, AGC ON B/W: 0.01Lux @ F1.6, AGC ON	Color: 0.05Lux @ F1.6, AGC On B/W: 0.01Lux @ F1.6, AGC On	Color: 0.05Lux @ F1.6, AGC On
Lens	4.7 ~ 94mm	4.7 ~ 94mm	4.7 ~ 94mm	4.7 ~ 94mm	4.7 ~ 94mm	4.3 ~ 94mm	3.6 ~ 11mm
Optical Zoom	20x	20x	20x	20x	20x	20x	3x
Max. Image Resolution	1920 × 1080	1920 × 1080	1280 × 960	1280 × 960	1920 × 1080	1920 × 1080	1280×720
Video Compression	H.264/MJPEG	H.264/MJPEG	H.264/MJPEG	H.264/MJPEG	H.264/MJPEG	H.264/MJPEG	H.264/MJPEG
Frame Rate	30 fps (1920×1080) 30 fps (1280×960) 30 fps (1280×720)	30 fps (1920×1080) 30 fps (1280×960) 30 fps (1280×720)	30 fps (1280×960) 30 fps (1280×720)	30 fps (1280×960) 30 fps (1280×720)	30 fps (1280×960) 30 fps (1280×720)	30 fps (1920×1080) 30 fps (1280×720)	30 fps (1280×720)
Pan Range	360° endless	360° endless	360° endless	360° endless	360° endless	360° endless	0 - 350°
Pan & Tilt Speed (Manual)	Pan Manual Speed: 0.1° ~ 160°/s Tilt Manual Speed: 0.1° ~ 120°/s	Pan Manual Speed: 0.1° ~ 250°/s Tilt Manual Speed: 0.1° ~ 150°/s	Pan Manual Speed: 0.1° ~ 160°/s Tilt Manual Speed: 0.1° ~ 120°/s	Pan Manual Speed: 0.1° ~ 250°/s Tilt Manual Speed: 0.1° ~ 150°/s	Pan Manual Speed: 0.1° ~ 250°/s Tilt Manual Speed: 0.1° ~ 150°/s	Pan Manual Speed: 0.1° ~ 160°/s, Tilt Manual Speed: 0.1° ~ 120°/s	Pan Manual Speed: 0.1° ~ 100°/s, Tilt Manual Speed: 0.1° ~ 80°/s
Pan & Tilt Speed (Preset)	Pan Preset Speed: 240°/s Tilt Preset Speed: 200°/s	Pan Preset Speed: 300°/s Tilt Preset Speed: 200°/s	Pan Preset Speed: 240°/s Tilt Preset Speed: 200°/s	Pan Preset Speed: 300°/s Tilt Preset Speed: 200°/s	Pan Preset Speed: 300°/s Tilt Preset Speed: 200°/s	Pan Preset Speed: 160°/s Tilt Preset Speed: 120°/s	Pan Preset Speed: 100°/s Tilt Preset Speed: 80°/s
Tilt Range	-15° ~ 90° (Auto Flip)	-5° ~ 90°(Auto Flip)	-15° ~ 90° (Auto Flip)	-5° ~ 90°(Auto Flip)	-5° ~ 90°(Auto Flip)	-2° ~ 90°(Auto Flip)	0°-90°(Auto Flip)
Day & Night	True	True	True	True	True	True	True
BLC/WDR	BLC/DWDR	BLC/DWDR	BLC/DWDR	BLC/DWDR	BLC/DWDR	BLC/DWDR	BLC/DWDR
IR / Range	Up to 100m		Up to 100m				
SD Card	MicroSD Slot, up to 32GB	Micro SD Slot, up to 32GB	Micro SD Slot, up to 32GB	Micro SD Slot, up to 32GB	Micro SD Slot, up to 32GB	Built-in SD/SDHC Slot, up to 64GB	Built-in Micro SD card slot, up to 64GB, edge recording
Working Temperature / Humidity	-30 °C ~ 65°C(-22°F ~ 149°F) / 90% or less	-30°C ~ 65°C(-22°F ~ 149°F) / 90% or less	-30°C ~ 65°C(-22°F ~ 149°F) / 90% or less	-30 °C ~ 65°C(-22°F ~ 149°F) / 90% or less	-30 °C ~ 65°C(-22°F ~ 149°F) / 90% or less	-30°C ~ 65°C (-22°F ~ 149°F)	-10°C ~ 50°C(14°F ~ 122°F) / 90% or less
Power	24 V AC; High PoE Max.30W/21W (Heater on/off)	24 V AC; PoE+ Max.22W/14W (Heater on/off)	24 V AC; High PoE Max.30W/21W (Heater on/off)	24 V AC; PoE+ Max.22W/14W (Heater on/off)	24 V AC; PoE+ Max. 14W	24 V AC/PoE+(802.3at), Max. 18W	12 V DC, PoE(802.3af) Max. 7W

13 Plug and Play NVRs & Wi-Fi Solutions

Plug and Play NVRs				Wi-Fi NVRs	Wi-Fi Cameras			
	DS-7604NI-SE/P	DS-7608NI-SE/8P	DS-7716NI-SP/16	DS-7104NI-SL/W	Model	DS-2CD2412F-IW	DS-2CD2432F-IW	DS-2CD2Q10FD-IW
Model								
Video Compression	H.264	H.264	H.264	H.264	Image Sensor	1/3" Progressive Scan CMOS	1/3" Progressive Scan CMOS	1/4" Progressive Scan CMOS
IP Video Input	4-ch IP with Integrated 4-port 802.3af PoE Switch (20 Mbps Bit Rate Input Max)	8-ch IP with Integrated 8-port 802.3af PoE Switch (40 Mbps Bit Rate Input Max)	16-ch IPC with Integrated 16-port 802.3af & at PoE Switch (100 Mbps incoming Bandwidth)	4-ch (20Mbps Input Max)	Min. Illumination (lux)	0.028 Lux @ F2.0 0 Lux with IR	0.28 Lux @ F2.0 0 Lux with IR	0.028 Lux @ F2.0 0 Lux with IR
Audio Input/Output	1-ch	1-ch	1-ch	1-ch	Lens	4mm @ F2.0 (2.8 mm optional)	4mm @ F2.0 (2.8 mm optional)	4mm @ F2.0 (2.8, 6mm optional)
HDMI/VGA Output	1920x1080 (HDMI) 1920x1080 (VGA)	1920x1080 (HDMI) 1920x1080 (VGA)	1920x1080 (HDMI) 1920x1080 (VGA)	1920x1080 (HDMI) 1920x1080 (VGA)	Angle of View	73.1°	79°	59°
Internal SATA	2 SATA interfaces (up to 4TB each)	2 SATA interfaces (up to 4TB each)	4 SATA interfaces (up to 4TB each)	1	Adjustment Range	3-Axis Positioning	3-Axis Positioning	Pan: 0° ~ 355°, Tilt: -20° ~ 90°
USB	2	2	3	2	Day & Night	True	True	True
Alarm Input/Output	4/1	4/1	16/4		BLC/DWDR	BLC/DWDR	BLC/DWDR	BLC/DWDR
Wireless				IEEE802.11b, 802.11g, 802.11n	IR	Up to 10m	Up to 10m	Up to 10m
Power	100 ~ 240 V AC, 47 ~ 63 Hz, 3A (without HDD)	100 ~ 240 V AC, 47 ~ 63 Hz, 3A (without HDD)	100 ~ 240 V AC, 6.3 A, 50 ~ 60 Hz	12 V DC	Video Compression	H.264/MJPEG	H.264/MJPEG	H.264/MJPEG
					Max. Image Resolution	1280 × 960	2048 × 1536	1280 × 720
					Frame Rate	30 fps (1280 × 960) 30 fps (1280 × 720)	20 fps (2048 × 1536) 30 fps (1920 × 1080) 30 fps (1280 × 720)	30 fps (1280 × 720) 30 fps (704 × 576) 30 fps (640 × 480)
					Dual Stream	Yes	Yes	Yes
					Motion Detection	Yes	Yes	Yes
					Audio Input/Output	Built-in microphone and speaker	Built-in microphone and speaker	Built-in microphone and speaker
					Alarm Input/Output	1/1	1/1	1/1
					Wireless	IEEE802.11b, 802.11g, 802.11n	IEEE802.11b, 802.11g, 802.11n	IEEE802.11b, 802.11g, 802.11n
					SD Card	Built-in Micro SD/SDHC/ SDXC card slot, up to 64 GB	Built-in Micro SD/SDHC/ SDXC card slot, up to 64 GB	Built-in Micro SD/SDHC/ SDXC card slot, up to 64 GB
					Operating Conditions	0 °C – 40 °C (-22 °F – 104 °F) Humidity 95% or less (non-condensing)	0 °C – 40 °C (-22 °F – 104 °F) Humidity 95% or less (non-condensing)	0 °C – 40 °C (-22 °F – 104 °F) Humidity 95% or less (non-condensing)
					Power/PoE	12 V DC ± 10% PoE (802.3af) Max. 5W	12 V DC ± 10% PoE (802.3af) Max. 5W	5V DC±10% Max. 7W



Encoders

Decoders

Model	DS-6701HFI	DS-6704HFI	DS-6708HFI	DS-6716HFI	DS-6401HDI-T	DS-6404HDI-T	DS-6408HDI-T
							
Video In	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 Out					1 HDMI, 1 VGA, 1 BNC	4 HDMI, 4 VGA, 2 BNC	8 HDMI, 8 VGA, 4 BNC
Audio In/Out	1-ch / 1-ch	4-ch / 1-ch	8-ch / 1-ch	16-ch / 1-ch	1-ch, RCA	4-ch, DB15	8-ch, DB15
Voice Talk Input	1-ch	1-ch	1-ch	1-ch	1-ch, 3.5mm connector	1-ch, 3.5mm connector	1-ch, 3.5mm connector
Resolution	4CIF / 2CIF / CIF / QCIF	4CIF / 2CIF / CIF / QCIF	4CIF / 2CIF / CIF / QCIF	4CIF / 2CIF / CIF / QCIF	5MP: 2-ch, 1080p: 4-ch 720p: 8-ch, 4CIF: 16-ch	5MP: 4-ch, 1080p: 8-ch 720p: 16-ch, 4CIF: 32-ch	5MP: 8-ch, 1080p: 16-ch 720p: 32-ch, 4CIF: 64-ch
Dual Stream	Yes	Yes	Yes	Yes	1	1	1
Frame Rate	30 fps	30 fps	30 fps	30 fps	1	1	1
Network Interface	1 RJ-45 10 M / 100 Mbps adaptive Ethernet interface (PoE)	1 RJ-45 10 M / 100 Mbps adaptive Ethernet interface (PoE)	1 RJ-45 10 M / 100 M / 1000 Mbps adaptive Ethernet interface	1 RJ-45 10 M / 100 M / 1000 Mbps adaptive Ethernet interface	1 10/100/1000 Mbps self-adaptive Ethernet interface	1 10/100/1000 Mbps self-adaptive Ethernet interface	1 10/100/1000 Mbps self-adaptive Ethernet interface
RS-232			Yes	Yes	1	1	1
RS-485	Yes	Yes	Yes	Yes	1	1	1
Alarm Input/Output	1/1	4/2	8/4	16/4	4/4	4/4	4/4
Power	12 V DC (≤ 5W) / PoE	12 V DC (≤ 7W) / PoE	12 V DC (≤ 10W)	12 V DC (≤ 22W)	12 V DC	100~240 V AC	100~240 V AC

Hybrid DVRs

Ethernet over Coax

Model	DS-9008HWI-ST	DS-9016HWI-ST	Model	DS-1H05-T	DS-1H05-R
					
Video Compression	H.264	H.264	Input Interface	RJ45 Interface& BNC	BNC
Video Input	Up to 16-ch camera (Analog + IP) 100 Mbps incoming bandwidth	Up to 32-ch camera (Analog + IP) 200 Mbps incoming bandwidth	Output Interface	BNC	RJ45 Interface& BNC
Audio Input/Output	8-ch / 2-ch	16-ch / 2-ch	Bandwidth	25 Mbps	25 Mbps
HDMI/VGA Output	1920x1080 (HDMI) 1920x1080 (VGA)	1920x1080 (HDMI) 1920x1080 (VGA)	Distance	Up to 1,500 feet with RG6/U standard cable	Up to 1,500 feet with RG6/U standard cable
Internal SATA	8	8	PSE	n/a	n/a
USB	3	3	Consumption	Max 5W	Max 5W
Alarm Input/Output	16/4	16/4	Power Supply	DC 12V	DC 12V
Power	100 ~ 240 VAC, 6.3 A, 50 ~ 60 Hz	100 ~ 240 VAC, 6.3 A, 50 ~ 60 Hz	Working Humidity	10% ~ 90%	10% ~ 90%
			Working Temperature	-10 °C ~+55 °C	-10 °C ~+55 °C
			Dimensions	80 x 96 x 27 mm	80 x 96 x 27 mm

15 Turbo HD 720p/1080p Solutions

HD720p Turbo HD Cameras




HD1080p Turbo HD Cameras

	DS-2CE16C2T-IR	DS-2CE56C2T-IRM	DS-2CE16C5T-IT1	DS-2CE56C5T-VFIT3	DS-2CE56C5T-IT1	DS-2CE16C5T-VFIR3	DS-2CE16D5T-IT3	DS-2CE56D5T-IT3
Model								
Image Sensor	1/3" Progressive Scan CMOS	1/3" Progressive Scan CMOS	1/3" Progressive Scan CMOS	1/3" Progressive Scan CMOS	1/3" Progressive Scan CMOS	1/3" Progressive Scan CMOS	1/3" Progressive Scan CMOS	1/3" Progressive Scan CMOS
Min. Illumination (lux)	0.043 Lux @ F2.5 AGC ON, 0 Lux with IR	0.043 Lux @ F2.5 AGC ON, 0 Lux with IR	0.043 Lux @ F2.5 AGC ON, 0 Lux with IR	0.0014 Lux @ F1.4 AGC ON, 0 Lux with IR	0.043 Lux @ F2.5 AGC ON, 0 Lux with IR	0.0014 Lux @ F1.4, AGC ON, 0 Lux with IR	0.043 Lux @ F2.5 AGC ON, 0 Lux with IR	0.043 Lux @ F2.5 AGC ON, 0 Lux with IR
Lens	3.6mm @ F2.5 (2.8mm, 6mm optional)	3.6mm @ F2.5 (2.8mm, 6mm optional)	3.6mm @ F2.5 (2.8mm, 6mm, 8mm optional)	2.8 - 12mm @ F1.4	3.6mm @ F2.5 (2.8mm, 6mm, 8mm optional)	2.8 - 12mm @ F1.4	3.6mm @ F2.5 (2.8mm, 6mm, 12mm optional)	3.6mm @ F2.5 (2.8mm, 6mm, 12mm, optional)
Adjustment Range	Pan: 0 - 360° Tilt: 0 - 90° Rotation: 0 - 360°	Pan: 0 - 360° Tilt: 0 - 75° Rotation: 0 - 360°	3-Axis Positioning	Pan: 0 - 355° Tilt: 0 - 75° Rotation: 0 - 355°	Pan: 0 - 360° Tilt: 0 - 75° Rotation: 0 - 360°	3-Axis Positioning	3-Axis Positioning	Pan: 0 - 360° Tilt: 0 - 75° Rotation: 0 - 360°
Angle of view	76.88°(3.6mm), 99.73°(2.8mm), 50.1°(6mm)	76.88°(3.6mm), 99.73°(2.8mm), 50.1°(6mm)	71.43°(3.6mm), 92.45°(2.8mm), 46.9°(6mm), 34.5°(8mm)	78° - 28°	71.43°(3.6mm), 92.45°(2.8mm), 46.9°(6mm), 34.5°(8mm)	78° - 28°	80.9°(3.6mm), 103.5°(2.8mm), 54.3°(6mm), 24.3°(12mm)	80.9°(3.6mm), 103.5°(2.8mm), 54.3°(6mm), 24.3°(12mm)
IR	20m	20m	20m	50m	20m	40m	40m	40m
OSD Menu			Yes	Yes	Yes	Yes	Yes	Yes
Day & Night	True	True	True	True	True	True	True	True
BLC/WDR			DWDR	DWDR	DWDR	DWDR	120dB	120dB
Max. Image Resolution	1280 x 720	1280 x 720	1280 x 720	1280 x 720	1280 x 720	1280 x 720	1920x1080	1920x1080
Synchronization	Internal	Internal	Internal	Internal	Internal	Internal	Internal	Internal
Ratings	IP66	IP66	IP66	IP66	IP66	IP66	IP66	IP66
Operating Conditions	-40 °C - 60 °C (-40 °F - 140 °F) Humidity 90% or less (non-condensing)	-40 °C - 60 °C (-40 °F - 140 °F) Humidity 90% or less (non-condensing)	-30 °C - 60 °C (-22 °F - 140 °F) Humidity 90% or less (non-condensing)	-30 °C - 60 °C (-22 °F - 140 °F) Humidity 90% or less (non-condensing)	-30 °C - 60 °C (-22 °F - 140 °F) Humidity 90% or less (non-condensing)	-30 °C - 60 °C (-22 °F - 140 °F) Humidity 90% or less (non-condensing)	-30 °C - 60 °C (-22 °F - 140 °F) Humidity 90% or less (non-condensing)	-30 °C - 60 °C (-22 °F - 140 °F) Humidity 90% or less (non-condensing)
Power	12 V DC Max. 3.5W	12 V DC Max. 3.5W	12 V DC Max. 3W	12 V DC Max. 6W	12 V DC Max. 3W	12 V DC Max. 4W	12 V DC Max. 5W	12 V DC Max. 5W



HD1080p Turbo HD Cameras

Turbo HD PTZs

Model	DS-2CE16D5T-AVFIT3	DS-2CE56D5T-VFIT3	Model	DS-2AE7230TI-A	DS-2AE7123TI-A
					
Image Sensor	1/3" Progressive Scan CMOS	1/3" Progressive Scan CMOS	Image Sensor	1/3" Progressive Scan CMOS	1/3" Progressive Scan CMOS
Min. Illumination (lux)	0.014 Lux @ F1.4, AGC ON, 0 Lux with IR	0.014 Lux @ F1.4, AGC ON, 0 Lux with IR	Min. Illumination (lux)	Color: 0.02Lux @ F1.6, AGC ON B/W: 0.002Lux @ F1.6, AGC ON 0 lux with IR	Color: 0.02Lux @ F1.6, AGC ON B/W: 0.002Lux @ F1.6, AGC ON 0 lux with IR
Lens	2.8-12mm @ F1.4	2.8-12mm @ F1.4	Lens	4-120mm	4-92mm
Adjustment Range	3-Axis Positioning	Pan: 0 - 360° Tilt: 0 - 75° Rotation: 0 - 360°	Optical Zoom	30X	23X
Angle of view	92° - 32°	92° - 32°	Max. Image Resolution	1920x1080	1280x720
IR	50m	50m	Pan & Tilt Speed	Pan Manual Speed:0.1°-160°/s Pan Preset Speed: 240°/s Tilt Manual Speed: 0.1°-120°/s, Tilt Preset Speed: 200°/s	Pan Manual Speed:0.1°-160°/s Pan Preset Speed: 240°/s Tilt Manual Speed: 0.1°-120°/s, Tilt Preset Speed: 200°/s
OSD Menu	Yes	Yes	IR Range	120m	120m
Day & Night	True	True	Day & Night	True	True
BLC/WDR	120dB	120dB	BLC/WDR	DWDR	DWDR
Max. Image Resolution	1920x1080	1920x1080	Power	24 V AC: Max.40W	24 V AC: Max.40W
Synchronization	Internal	Internal			
Ratings	IP66	IP66			
Operating Conditions	-30 °C – 60 °C (-22 °F – 140 °F) Humidity 90% or less (non-condensing)	-30 °C – 60 °C (-22 °F – 140 °F) Humidity 90% or less (non-condensing)			
Power	12 V DC: Max.7W 24 V AC: Max.10W	12 V DC: Max.7W			

“Turbo HD” HDTVI Technology

HDTVI is Turbo HD, the latest in high-definition analog technology, delivering significant advantages over other HD analog formats. Ideal for supporting the move away from NTSC/PAL to HD video, Hikvision's analog-to-digital migration solution enables users to reuse existing infrastructure, maximizing the ROI on their video surveillance equipment.

Previous HD video over coax methods were limited by cable type and distance, reliability, lack of bi-directional communications, and total system cost. Turbo HD addresses these challenges, providing high-definition megapixel video that installs as easily as standard analog CCTV cameras. It is as simple to operate as analog, enabling users to benefit from IP's additional camera options, higher resolutions and network device capabilities at significantly lower cost than IP technology.

Capable of supporting longer cable runs, HDTVI delivers up to 2.1 megapixel images, transmitting video with ZERO latency. A “tribrid” recorder, the Turbo HD DVR supports TurboHD analog, existing analog and additional capabilities enabled by IP.



17 Turbo HD 720p/1080p Solutions

Turbo HD Hybrid DVRs

Model	DS-7204HGHI-SH	DS-7208HGHI-SH	DS-7216HGHI-SH	DS-7308HQHI-SH	DS-7316HQHI-SH
Video Compression	H.264	H.264	H.264	H.264	H.264
Video Input	4-ch BNC interface (1.0Vp-p, 75 Ω)	8-ch BNC interface (1.0Vp-p, 75 Ω)	16-ch BNC interface (1.0Vp-p, 75 Ω)	8-ch BNC interface (1.0Vp-p, 75 Ω)	16-ch BNC interface (1.0Vp-p, 75 Ω)
Audio Input/Output	1-ch / 1-ch	1-ch / 1-ch	1-ch / 1-ch	4-ch / 2-ch	4-ch / 2-ch
HDMI/VGA Output	1920x1080 (HDMI) 1920x1080 (VGA)	1920x1080 (HDMI) 1920x1080 (VGA)	1920x1080 (HDMI) 1920x1080 (VGA)	1920x1080 (HDMI) 1920x1080 (VGA)	1920x1080 (HDMI) 1920x1080 (VGA)
Internal SATA	1	2	2	4	4
USB	2	2	2	2	2
Alarm Input/Output	4/1	8/4	16/4	8/4	16/4
Power	12 V DC, ≤15W without HDD	12 V DC, ≤20W without HDD	12 V DC, ≤20W without HDD	100~240 V AC 50~60Hz, ≤40W without HDD	100~240 V AC 50~60Hz, ≤55W without HDD

Keyboards

Model	DS-1003KI	DS-1100KI
Control Mode	RS-485	Network
LCD Screen	5"x2.5"	7" TFT touch screen at 800x480 resolution
Joystick	3 - Axis	3 - Axis
Resolution	No	1920x1080
USB	No	Yes
Network	No	Yes
RS-485	Yes	Yes
Power	12 V DC (<10W)	12 V DC (<15W)

Enterprise HDDs are required with our RAID NVRs

Model	HK-HDD1T	HK-HDD2T	HK-HDD3T	HK-HDD4T	HK-HDD1T-E	HK-HDD2T-E	HK-HDD3T-E	HK-HDD4T-E
Capacity	1T	2T	3T	4T	1T	2T	3T	4T
Interface	SATA	SATA	SATA	SATA	SATA 6 Gb/s	SATA 6 Gb/s	SATA 6 Gb/s	SATA 6 Gb/s
Classification	Audio/Video	Audio/Video	Audio/Video	Audio/Video	Audio/Video	Audio/Video	Audio/Video	Audio/Video
Operation	24/7 continuous	24/7 continuous	24/7 continuous	24/7 continuous	24/7 continuous	24/7 continuous	24/7 continuous	24/7 continuous








Megapixel Auto Iris Lenses

Model	YV2.8x2.8SR4A-SA2	TV0515D-MPIR	YV3.3x1.5SR4A-SA2L	DV4x12.5SR4A-SA1	TV2712D-MPIR	TV0550D-MPIR	DV3.8x4SR4A-SA1	DV4X12.5SR4A-SA1L	HV1140D-8MPIR	HV3816D-8MPIR
Image Sensor	3MP , 1/2.7" Image Size, Iris:Auto Iris, Focal length:2.8-8mm, Aperture:1.3, Mount:CS	1.3MP , 1/3" Image Size,IR, Iris:Auto Iris, Focal length:5-15mm, Aperture:1.4, Mount:CS	3MP , 1/2.7" Image Size, Iris:Auto Iris, Focal length:15-50mm, Aperture:1.5, Mount:CS	5MP , 1/1.8" Image Size, Iris:Auto Iris, Focal length:12.5-50mm, Aperture:1.6, Mount:C	3MP , f2.7-12mm, F1.2 ,1/2.7", Mount:CS	3MP , f5-50mm/ F1.6/1/2.7", Mount:CS	3MP , Auto Iris Manual Focus 3 Megapixel IR, f4-15.2mm, F1.5, 1/1.8" Mount:C	5MP , Auto Iris Manual Focus 5 Megapixel IR, f2.5-50mm, F1.6, 1/1.8" Mount:C	Focal range 11-40mm, Aperture F1.5-C, IR correction, Up to 8MP resolution, Format 9.2mm (1/1.8")	Focal range 3.8-16mm, Aperture F1.5-∞, IR correction, Up to 8MP resolution, Format 9.2mm (1/1.8")

NOTE: Lens image size must match or be greater than camera sensor size.







Pro Series

Analog Migration Solutions

	Box Camera	Indoor Dome	Indoor Dome	Outdoor Vandal-proof Dome	Outdoor Vandal-proof Dome	Outdoor Vandal-proof Dome	Outdoor Vandal-proof Dome
	DS-2CC11A7N-A	DS-2CC51A7N-VF	DS-2CC51A1N-VF	DS-2CC51A7N-VP(IR)	DS-2CC51A7N-VPiRH	DS-2CC51A1N-VP(IR)	DS-2CC51A1N-VPiRH
Model							
Image Sensor	1/3" SONY CCD	1/3" SONY CCD	1/3" SONY CCD	1/3" SONY CCD	1/3" SONY CCD	1/3" SONY CCD	1/3" SONY CCD
Min. Illumination (lux)	Color: 0.001 Lux @ F1.2, AGC ON, B/W: 0.0001 Lux @ F1.2, AGC ON	Color: 0.0014 Lux @ F1.4, AGC ON, B/W: 0.00014 Lux @ F1.4, AGC ON	Color: 0.0014 Lux @ F1.4, AGC ON, B/W: 0.00014 Lux @ F1.4, AGC ON	0.0014 Lux @ F1.4, AGC ON, 0 Lux with IR	0.0014 Lux @ F1.4, AGC ON, 0 Lux with IR	0.0014 Lux @ F1.4, AGC ON, 0 Lux with IR	0.0014 Lux @ F1.4, AGC ON, 0 Lux with IR
Lens		2.8 - 12 mm @ F1.4	2.8 - 12 mm @ F1.4	2.8 - 12 mm @ F1.4	2.8 - 12 mm @ F1.4	2.8 - 12 mm @ F1.4	2.8 - 12 mm @ F1.4
Adjustment Range		Pan: 0 - 355° Tilt: 0 - 180° Rotation: 0 - 355°	Pan: 0 - 355° Tilt: 0 - 180° Rotation: 0 - 355°	Pan: 0 - 355° Tilt: 0 - 80° Rotation: ± 90°	Pan: 0 - 355° Tilt: 0 - 80° Rotation: ± 90°	Pan: 0 - 355° Tilt: 0 - 80° Rotation: ± 90°	Pan: 0 - 355° Tilt: 0 - 80° Rotation: ± 90°
Angle of view		80° - 27.2°	80° - 27.2°	80° - 27.2°	80° - 27.2°	80° - 27.2°	80° - 27.2°
IR				DS-2CC51A7N-VPiRH: 20-30m	20-30m	DS-2CC51A1N-VPiRH: 20-30m	20-30m
OSD Menu	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Day & Night	True	True	True	True	True	True	True
BLC/WDR	BLC/75dB WDR	BLC/75dB WDR	BLC/DWDR	BLC/75dB WDR	BLC/75dB WDR	BLC/DWDR	BLC/DWDR
Max. Image Resolution	700TVL / 960H	700TVL / 960H	700TVL / 960H	700TVL / 960H	700TVL / 960H	700TVL / 960H	700TVL / 960H
Synchronization	Internal/Power	Internal/Power	Internal/Power	Internal/Power	Internal/Power	Internal/Power	Internal/Power
Ratings				IP66/IK10	IP66/IK10	IP66/IK10	IP66/IK10
Operating Conditions	-10 °C - 60 °C (14 °F - 140 °F) Humidity 90% or less (non-condensing)	-10 °C - 60 °C (14 °F - 140 °F) Humidity 90% or less (non-condensing)	-10 °C - 60 °C (14 °F - 140 °F) Humidity 90% or less (non-condensing)	-10 °C - 60 °C (14 °F - 140 °F) Humidity 90% or less (non-condensing)	-40 °C - 60 °C (-40 °F - 140 °F) with heater and fan on	-10 °C - 60 °C (14 °F - 140 °F) Humidity 90% or less (non-condensing)	-40 °C - 60 °C (-40 °F - 140 °F) with heater and fan on
Power	24 V AC ± 10%, 12 V DC ± 10%, Max. 5 W (Max. 10 W with IR cut filter on)	24 V AC ± 10%, 12 V DC ± 10%, Max. 4 W (Max. 4.5 W with IR cut filter on)	24 V AC ± 10%, 12 V DC ± 10%, Max. 4 W (Max. 4.5 W with IR cut filter on)	24 V AC ± 10%, 12 V DC ± 10%, Max. 13 W	24 V AC ± 10%, Max. 25W	24 V AC ± 10%, 12 V DC ± 10%, Max. 13W	24 V AC ± 10%, Max. 25W

Vari-focal

PTZs










Model	DS-2CC11A7N-VFIR	DS-2CC11A1N-VFIR	DS-2CC12A1N-AVFIR8H	Model	DS-2AF7268N-A	DS-2AF5268N-A	DS-2AF5268N-A3
							
Image Sensor	1/3" SONY Super HAD CCD II	1/3" SONY CCD	1/3" SONY CCD	Image Sensor	1/4" Interline Transfer CCD	1/4" Interline Transfer CCD	1/4" Interline Transfer CCD
Min. Illumination (lux)	0.0014 Lux @ F1.4, AGC ON, 0 Lux with IR	0.0014 Lux @ F1.4, AGC ON, 0 Lux with IR	0.3Lux @ F1.2, AGC ON, 0 Lux with IR	Min. Illumination (lux)	Color: 0.02Lux @ F1.6, AGC ON B/W: 0.002Lux @ F1.6, AGC ON 0 Lux with IR	Color: 0.02Lux @ F1.6, AGC ON B/W: 0.002Lux @ F1.6, AGC ON 0 Lux with IR	Color: 0.02Lux @ F1.6, AGC ON B/W: 0.002Lux @ F1.6, AGC ON 0 Lux with IR
Lens	2.8 - 12 mm @ F1.4	2.8 - 12 mm @ F1.4	5 - 50 mm @ F1.2	Lens	3.3 ~119mm	3.3 ~119mm	3.3 ~119mm
Adjustment Range	Universal Mount	Universal Mount	Pan: 0 - 360° Tilt: 0 - 75° Rotation: 0 - 360°	Optical Zoom	36X	36x	36x
Angle of view	80° - 27.2°	80° - 27.2°	55° - 5.6°	Max. Image Resolution	Color: 700 TVL B/W: 750 TVL	Color: 700 TVL B/W: 750 TVL	Color: 700 TVL B/W: 750 TVL
IR	20-30m	20-30m	50-80m	Pan & Tilt Speed	Pan Manual Speed: 0.1° ~160°/s, Pan Preset Speed: 240°/s Tilt Manual Speed: 0.1° ~120°/s, Tilt Preset Speed: 200°/s	Pan Manual Speed: 0.1° ~300°/s, Pan Preset Speed: 540°/s Tilt Manual Speed: 0.1° ~240°/s, Tilt Preset Speed: 400°/s	Pan Manual Speed: 0.1° ~300°/s, Pan Preset Speed: 540°/s Tilt Manual Speed: 0.1° ~240°/s, Tilt Preset Speed: 400°/s
OSD Menu	Yes	Yes	Yes	Day & Night	True	True	True
Day & Night	True	True	True	BLC/WDR	BLC/DWDR	BLC/DWDR	BLC/DWDR
BLC/WDR	BLC/75dB WDR	BLC/DWDR	BLC	Power	24 V AC Max.50W (IR On, Heater On); Max.35W(IR On, Heater Off); Max.15W(IR Off, Heater Off)	24 V AC Max. 40W / 20W (Heater On / Off)	24 V AC Max. 20W
Max. Image Resolution	700TVL / 960H	700TVL / 960H	700TVL / 960H				
Synchronization	Internal/Power	Internal/Power	Internal				
Ratings	IP66	IP66	IP66				
Operating Conditions	-10 °C - 60 °C (14 °F - 140 °F) Humidity 90% or less (non-condensing)	-10 °C - 60 °C (14 °F - 140 °F) Humidity 90% or less (non-condensing)	-40 °C - 60 °C (-40 °F - 140 °F) Humidity 90% or less (non-condensing)				
Power	24 V AC ± 10%, 12 V DC ± 10%, Max. 9.5 W	24 V AC ± 10%, 12 V DC ± 10%, Max. 9.5 W	24 V AC ± 10%, 12 V DC ± 10%, Max. 20 W				

Value Series

DIS Dome

IR Cameras



PTZs

Model	DS-2CE55C2N	DS-2CE55C2N-IRM	DS-2CE56C2N-IT3	DS-2CE55C2N-VFIR3	DS-2CE15C2N-IR	DS-2CE16C2N-IT3	DS-2CE15C2N-VFIR3	Model	DS-2AE7168N-A	DS-2AE5168N-A
										
Image Sensor	1/3" PICADIS	1/3" PICADIS	1/3" PICADIS	1/3" PICADIS	1/3" PICADIS	1/3" PICADIS	1/3" PICADIS	Image Sensor	1/4"Sony CCD	1/4" Sony CCD
Min. Illumination (lux)	0.34 Lux @ F2.2, AGC ON	0.34 Lux @ F2.2, AGC ON, 0 Lux with IR	0.34 Lux @ F2.2, AGC ON, 0 Lux with IR	0.14 Lux @ F1.4, AGC ON, 0 Lux with IR	0.34 Lux @ F2.2, AGC ON, 0 Lux with IR	0.34 Lux @ F2.2, AGC ON, 0 Lux with IR	0.14 Lux @ F1.4, AGC ON, 0 Lux with IR	Min. Illumination (lux)	Color: 0.02Lux/(F1.6, AGC ON) B/W: 0.002Lux/(F1.6, AGC ON) 0 Lux with IR	Color: 0.02Lux/(F1.6, AGC ON) B/W: 0.002Lux/(F1.6, AGC ON) 0 Lux with IR
Lens	3.6 mm @ F2.2	3.6 mm @ F2.2	3.6 mm @ F2.2	2.8-12mm @ F1.4	3.6 mm @ F2.2	3.6 mm @ F2.2	2.8 - 12 mm @ F1.4	Lens	3.3 ~119mm	3.3 ~119mm
Adjustment Range	Pan: 0 - 355° Tilt: 0 - 90° Rotation: 0 - 355°	Pan: 0 - 360° Tilt: 0 - 75° Rotation: 0 - 360°	Pan: 0 - 360° Tilt: 0 - 75° Rotation: 0 - 360°	Pan: 0 - 360° Tilt: 0 - 75° Rotation: 0 - 360°	Universal Mount	Universal Mount	Universal Mount	Optical Zoom	36X	36X
Angle of view	71.4°	71.4°	71.4°	80° - 27.2°	71.4°	71.4°	80° - 27.2°	Max. Image Resolution	Color: 700 TVL, B/W: 750 TVL	Color: 700 TVL, B/W: 750 TVL
IR	No	20m	40m	30-40m	20m	40m	30-40m	Pan & Tilt Speed	Pan Manual Speed: 0.1°~160°/s, Pan Preset Speed: 240°/s Tilt Manual Speed: 0.1°~120°/s, Tilt Preset Speed: 200°/s	Pan Manual Speed: 0.1°~250°/s, Pan Preset Speed: 300°/s Tilt Manual Speed: 0.1°~150°/s, Tilt Preset Speed: 200°/s
OSD Menu	No	No	No	No	No	No	No	Day & Night	True	True
Day & Night	Electronic	True	True	True	True	True	True	BLC/WDR	BLC/DWDR	BLC/DWDR
BLC/WDR	BLC	BLC	BLC	BLC	BLC	BLC	BLC	Power	24 V AC Max.30W(IR On, HeaterOn); Max.24W(IR On); Max.15W(IR Off, HeaterOff)	24 V AC Max. 20W / 12W (Heater On / Off)
Max. Image Resolution	720TVL	720TVL	720TVL	720TVL	720TVL	720TVL	720TVL			
Synchronization	Internal	Internal	Internal	Internal	Internal	Internal	Internal			
Ratings		IP66	IP66	IP66	IP66	IP66	IP66			
Operating Conditions	-40 °C - 60 °C (-40 °F - 140 °F) Humidity 90% or less (non-condensing)	-40 °C - 60 °C (-40 °F - 140 °F) Humidity 90% or less (non-condensing)	-40 °C - 60 °C (-40 °F - 140 °F) Humidity 90% or less (non-condensing)	-40 °C - 60 °C (-40 °F - 140 °F) Humidity 90% or less (non-condensing)	-40 °C - 60 °C (-40 °F - 140 °F) Humidity 90% or less (non-condensing)	-40 °C - 60 °C (-40 °F - 140 °F) Humidity 90% or less (non-condensing)	-40 °C - 60 °C (-40 °F - 140 °F) Humidity 90% or less (non-condensing)			
Power	12 V DC ± 10%, Max. 1W	12 V DC ± 10%, Max. 1.5W (Max. 4.5W with IR cut filter on)	12 V DC ± 10%, Max. 5 W	12 V DC ± 10%, Max. 4 W (Max. 4.5 W with IR cut filter on)	12 V DC ± 10%, Max. 1.5 W (Max. 4.5 W with IR cut filter on)	12 V DC ± 10%, Max. 5 W	12 V DC ± 10%, Max. 4 W (Max. 5W with IR cut filter on)			

Analog Migration Solutions

21 960H Analog Solutions

DVRs

Model	DS-7204HWI-SH	DS-7208HWI-SH	DS-7216HWI-SH	DS-7308HWI-SH	DS-7316HWI-SH	DS-7332HWI-SH
						
Video Compression	H.264	H.264	H.264	H.264	H.264	H.264
Video Input/Output	Input: 4-ch Output: 1HDMI, 1VGA, 1BNC	Input: 8-ch Output: 1HDMI, 1VGA, 1BNC	Input: 16-ch Output: 1HDMI, 1VGA, 1BNC	Input: 8-ch Output: Main (HDMI / VGA) + (BNC) Spot Output x 1 (BNC)	Input: 16-ch Output: Main (HDMI / VGA) + (BNC) Spot Output x 1 (BNC)	Input: 32-ch Output: Main (HDMI / VGA) + (BNC) Spot Output x 1 (BNC)
Audio Input/Output	Input: 1-ch RCA Output: 1-ch RCA	Input: 1-ch RCA Output: 1-ch RCA	Input: 1-ch RCA Output: 1-ch RCA	Input: 4-ch RCA Output: 2-ch RCA	Input: 4-ch RCA Output: 2-ch RCA	Input: 4-ch RCA Output: 2-ch RCA
Resolution	WD1/4CIF/2CIF/CIF/QCIF	WD1/4CIF/2CIF/CIF/QCIF	WD1/4CIF/2CIF/CIF/QCIF	WD1/4CIF/2CIF/CIF/QCIF	WD1/4CIF/2CIF/CIF/QCIF	WD1/4CIF/2CIF/CIF/QCIF
Frame Rate	25fps(P)/30fps(N)	25fps(P)/30fps(N)	25fps(P)/30fps(N)	25fps(P)/30fps(N)	25fps(P)/30fps(N)	25fps(P)/30fps(N)
VGA Resolution	1920x1080/60Hz, 1280x1024/60Hz, 1280x720/60Hz, 1024x768/60Hz	1920x1080/60Hz, 1280x1024/60Hz, 1280x720/60Hz, 1024x768/60Hz	1920x1080/60Hz, 1280x1024/60Hz, 1280x720/60Hz, 1024x768/60Hz	1920x1080/60Hz, 1280x1024/60Hz, 1280x720/60Hz, 1024x768/60Hz	1920x1080/60Hz, 1280x1024/60Hz, 1280x720/60Hz, 1024x768/60Hz	1920x1080/60Hz, 1280x1024/60Hz, 1280x720/60Hz, 1024x768/60Hz
Internal SATA	1	2	2	4	4	4
USB	2	2	2	3	3	3
Alarm Input/Output	4/1	8/4	16/4	8/4	16/4	16/4
Power	12 V DC	12 V DC	12 V DC	100~240 V AC, 5A, 50~60Hz	100~240 V AC, 5A, 50~60Hz	100~240 V AC, 5A, 50~60Hz

PTZ Brackets

	WMP-L	JBP	CPM-S	CPM-L	WMP-S	RPM	PMP	CMP	Camera Housing		
Model											
Description	Wall Mount PTZ-Long	PTZ Junction box	Ceiling Pendant Mount-Short	Ceiling Pendant Mount-Long	Short wall mount for 4" PTZ	Was: DS-1660ZJ Roof Parapet Mount	Pole Mount Adapter PTZ	Corner Mount Adapter PTZ	Camera Housing with Bracket	CHB-HBW (Camera Housing w Bracket, Heater, Blower, Wiper)	CHB-HB (Camera Housing w Bracket, Heater, Blower)

Bracket Model Name Coding

Rules:

- WMP: Wall Mount PTZ
- WBS: Wall Mount
- WBL: Wall Mount
- JBP: Junction Box PTZ
- CPM: Corner Mount PTZ
- CPM-S: Short Ceiling Pendant Mount PTZ
- CPM-L: Long Ceiling Pendant Mount PTZ
- WMS: Camera Wall Mount w Short Junction Box
- WML: Camera Wall Mount w Long Junction Box
- CPM: Camera Ceiling Pendant Mount
- PM: Pole Mount Adapter
- CM: Corner Mount Adapter
- RPM: Roof Parapet Mount
- PC: Pendant Cap with thread adapters
- RCM: Recessed Ceiling Mount
- AB: Angled Base
- CB: Conduit Base
- 123: Cap Size

Universal Bracket

	CPM	WMS	WML	PM	CM	RPM	WBS	WBL	Bracket for DVR/NVR	
Model										
Description	Camera Ceiling Pendant Mount	Short Wall Mount, Junction box and Teflon tape included by default	Long Wall Mount, Junction box and Teflon tape included by default	Was: DS-1275ZJ Pole Mount Adapter	Was: DS-1276ZJ Corner Mount Adapter	Was: DS-1660ZJ Roof Parapet Mount	Was: DS-1212ZJ Suitable for box camera, Wall Mount	Was: DS-1213ZJ Suitable for box camera and housing, Wall mount	Wall Mounted Bracket for DVR/NVR is compatible with DS-7604NI-SE/P, DS-7608NI-SE/8P, DS-7208HWI-SH and DS-7216HWI-SH.	



Camera Bracket

DS-2CC51xxN-VP(IR)(H)	DS-2CC51xxN-VF	DS-2CD72xx DS-2CD43xx	DS-2CD25xxF-I(W)(S)	DS-2CC5X2N-IR DS-2CE55x2N-IRxx DS-2CE56C2T-IRM
PC140	PC130	PC160	PC120	PC110T
140mm Cap	130mm Cap	Was: DS-1270ZJ-160 160mm Cap	Was: DS-1270ZJ-120 120mm Pendant Cap	110TRS Cap
DS-2CD22x2-I5 DS-2CE15C2N-VFIR3 DS-2CE16C5T-IT1	DS-2CE55x2N-VFIR3	DS-2CE56C2N-IT3, DS-2CE56C5T-IT1, DS-2CE56D5T-IT3	DS-2CD4A25FWD-IZ(H)(8), DS-2CE16D5T-AVFIT3, DS-2CD2T12-15, DS-2CD2T32-15	
CB130	GP100	PC110	CBS	
Was: DS-1260ZJ Condit base	Was: DS-1244ZJ Single Gang Plate	Was: DS-1270ZJ-110 110mm Cap	Was: DS-1280ZJ-S	
		WM110		
		Was: DS-1258ZJ Plastic Wall Mount		

DS-2CD7xx DS-2CD41xx	DS-2CC51D3S-VP1R DS-2CD21x2-I	DS-2CC52xxN-AVPIR2 DS-2CD27xxF-I(S)	DS-2CD23x2-I, DS-2CE56C5T-VFIT3, DS-2CE56D5T-VFIT3	DS-2CD6332 FWD-I(V)(S) DS-2CD6362F-I(V)(S)	DS-2CD4525FWD-IZH	DS-2CE55x2N-VFIR3
PC130	PC110	PC135	PC130T	PC-FE	PC165	PC130T
130mm Pendant Cap	Was: DS-1270ZJ-110 110mm Cap	135mm Cap	130TRL Cap	Pendant Cap for fisheye	Pendant Cap	130TRL Cap
RCM-1	AB110	RCM-1	ABM	AB-FE	AB165	CBT-1
Was: DS-1227ZJ Recessed Ceiling Mount	was DS-1259ZJ Inclined ceiling mount	Was: DS-1227ZJ In-ceiling mount (also for DS-2CD7xx and DS-2CD41xx)	Inclined ceiling mount Was: DS-1281ZJ-M	Inclined ceiling mount for fisheye (Angled Base)	Inclined ceiling mount Was: DS-1281ZJ-DM26	Wire Intake Box
AB135	CB110	AB135	CBM	CB-FE	CB165	ABM
Inclined ceiling mount Was: DS-1281ZJ-DM23	Was: DS-1280ZJ-DM18 Wire Intake Box	Inclined ceiling mount Was: DS-1281ZJ-DM23	Junction Box Was: DS-1280ZJ-M	Wire Intake Box (Conduit Base) for fisheye	Junction Box Was: DS-1280ZJ-DM26	Inclined ceiling mount Was: DS-1281ZJ-M
	WM110	CB135				CBM
	Was: DS-1258ZJ Plastic Wall Mount	Wire Intake Box Was: DS-1280ZJ-DM21				Junction Box Was: DS-1280ZJ-M



iVMS-4200 Client Software (Windows and Mac compatible)

Live View	Support up to 4 output screens for live view, and upmost 64 cameras in live view screens
Encoding Device	Up to 256 encoded devices
Decoding Device	Up to 64 decoding devices
Imported Camera	Up to 1024 imported cameras
Camera Group	Up to 256 camera groups, and max. 64 cameras in one group
Storage Server	Up to 16 storage servers, each server's recording performance is 64*2Mbps
Stream Media Server	Up to 16 stream media server, each server is with incoming connections of 64*2Mbps and outgoing connections of 200*2Mbps
Playback	Up to 16 channels playback
Download	Up to 16 simultaneous download tasks
User	Up to 51 users
System Log	Unlimited
Map	Support PNG, BMP and JPEG images. Nested maps supported
PTZ	Control, presets, patrols, pattern supported
Device Search	Supports Search Activated Device Protocol (SADP)
Device Config.	Supports remote programming and configuration of any connected device. Features Add Device Wizard

Minimum Server System Requirements



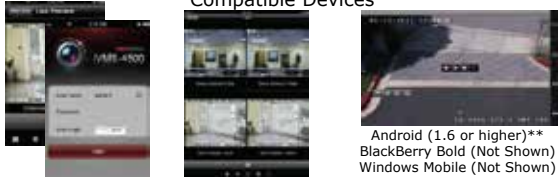
Intel Pentium IV 3.0 above, Microsoft Windows XP/2003/2008/Win 7 (32-bit)
 2GB RAM, 100Mbps Ethernet Card, 1024x768 pixel or higher display resolution, ATI
 5000/nVidia GTX260, 512MB Video Card

iVMS-4500 Mobile Client Applications for SmartPhones and Tablets

Mobile client software can be used to remotely monitor the live video from embedded Hybrid DVR, NVR, DVR Recorders, IP camera, IP speed dome or DVS/Encoder via wireless network.

No. of Devices	100 device addresses
Live View	iPhone/Android Phone: up to 4 cameras; iPad/Android Tablet: up to 16 cameras; Windows Phone: up to 4 cameras
Remote Playback	iPhone/Android Phone/Windows Phone: 1-ch playback; iPad/Android Tablet: up to 4-ch
Configurable image quality	Clear, balanced, fluent, and customized
Frame Rate	Up to 25/30 FPS (dependant on device and network)
Resolution	Up to 1080p
Stream Type	Video and Audio
PTZ Control	Pan, Tilt, Zoom
Snapshot	Snapshot and Video recording in Live View

Compatible Devices



Apple iOS (iPhone/iPad)*
 *iPhone/iPad app must be acquired from iTunes App Store.
 **Android app can be obtained at Android Market or Hikvision.com.
 *Windows Phone 8 app must be acquired from Windows Store.

Standard Software is included in the compatible product packages only. No-Fee policy applies to license, channel, software support agreement and technical support access of Standard Software only. Customized software may incur additional fee.
 Apple, iPhone, iPad and iTunes are registered trademarks of Apple Inc.® AndroidTM is a registered trademark of Google Inc.® BlackBerry is a registered trademark of RIM® Window Mobile is a registered trademark of Microsoft Corp.® All other trademarks are property of their respective owners.

Professional Solutions

..... 1 - 8

DS-2CD4012FWD-A	1	DS-2DF5220S-DE4/W	6
DS-2CD4024FWD-A	1	DS-2DF5276-AE3	6
DS-2CD4032FWD-A	1	DS-2DF5276-AEL	6
DS-2CD4065F-A	1	DS-2DF5286-AE3	7
DS-2CD4112FWD-IZ	1	DS-2DF5286-AEL	7
DS-2CD4124FWD-IZ	1	DS-2DF6223-AEL	7
DS-2CD4132FWD-IZ	1	DS-2DF6230-AEL	6
DS-2CD4212FWD-IZH	1	DS-2DF6330V-AEL	6
DS-2CD4212FWD-IZH8	2	DS-2DF7276-AEL	6
DS-2CD4232FWD-IZH	2	DS-2DF7286-AEL	7
DS-2CD4232FWD-IZH8	2	DS-2DF8223I-AEL	7
DS-2CD4312FWD-IZHS	3	DS-2DF8230IV-AEL	6
DS-2CD4312FWD-IZHS8	3	DS-2DF8330IV-AEL	6
DS-2CD4324FWD-IZHS	3	DS-3D2208P	8
DS-2CD4324FWD-IZHS8	3	DS-3D2216P	8
DS-2CD4332FWD-IZHS	3	DS-3D2228P	8
DS-2CD4332FWD-IZHS8	3	DS-96128NI-E24/H	8
DS-2CD4525FWD-IZH	3	DS-9616NI-ST	8
DS-2CD4A25FWD-IZH	2	DS-96256NI-E24/H	8
DS-2CD4A25FWD-IZH8	2	DS-9632NI-ST	8
DS-2CD6026FHWD-A11	7	DS-9632NI-RT	8
DS-2CD6026FHWD-A3	7	DS-9664NI-RT	8
DS-2CD6332FWD-I	4	DS-9664NI-ST	8
DS-2CD6332FWD-IV	4		
DS-2CD6362F-I	4		
DS-2CD6362F-IV	4		
DS-2CD6412FWD-2C	4		
DS-2CD6412FWD-L10	4		
DS-2CD6412FWD-L20	4		
DS-2CD6412FWD-L30	4		
DS-2CD7283F-EIIZ *1/1	5		
DS-2CD783F-E(I)Z	5		
DS-2CD8283F-EIIZ	5		

Value Solutions

..... 9 - 13

DS-2CD2012-I	9	DS-2CD2012-I	9
DS-2CD2032-I	9	DS-2CD2032-I	9
DS-2CD2112-I	9	DS-2CD2112-I	9
DS-2CD2132-I	9	DS-2CD2132-I	9
DS-2CD2212-IS	10	DS-2CD2212-IS	10
DS-2CD2232-IS	10	DS-2CD2232-IS	10
DS-2CD2312-I	10	DS-2CD2312-I	10
DS-2CD2332-I	10	DS-2CD2332-I	10
DS-2CD2412F-IW	13	DS-2CD2412F-IW	13
DS-2CD2432F-IW	13	DS-2CD2432F-IW	13
DS-2CD2512F-I	9	DS-2CD2512F-I	9
DS-2CD2512F-IS	9	DS-2CD2512F-IS	9
DS-2CD2532F-I	9	DS-2CD2532F-I	9
DS-2CD2612F-I	10	DS-2CD2612F-I	10
DS-2CD2632F-I	11	DS-2CD2632F-I	11
DS-2CD2632F-IS	11	DS-2CD2632F-IS	11
DS-2CD2712F-I	11	DS-2CD2712F-I	11
DS-2CD2712F-IS	11	DS-2CD2712F-IS	11
DS-2CD2732F-I	11	DS-2CD2732F-I	11
DS-2CD2732F-IS	11	DS-2CD2732F-IS	11
DS-2CD2D14WD	11	DS-2CD2D14WD	11
DS-2CD2Q10FD-IW	13	DS-2CD2Q10FD-IW	13
DS-2CD2T12-IS	10	DS-2CD2T12-IS	10
DS-2CD2T32-IS	10	DS-2CD2T32-IS	10
DS-2DE2103-DE3	12	DS-2DE2103-DE3	12
DS-2DE4220-AE	12	DS-2DE4220-AE	12
DS-2DE5174-AE	12	DS-2DE5174-AE	12
DS-2DE5184-AE	12	DS-2DE5184-AE	12
DS-2DE5184-AE3	12	DS-2DE5184-AE3	12
DS-2DE7174-AE	12	DS-2DE7174-AE	12
DS-2DE7184-AE	12	DS-2DE7184-AE	12
DS-7104NI-SL/W	13	DS-7104NI-SL/W	13
DS-7604NI-SE/P	13	DS-7604NI-SE/P	13
DS-7608NI-SE/8P	13	DS-7608NI-SE/8P	13
DS-7716NI-SP/16	13	DS-7716NI-SP/16	13

Analog Migration Solutions

... 14 - 21

DS-1H05-R	14	DS-6401HDI-T	14
DS-1H05-T	14	DS-6404HDI-T	14
DS-2AE5168N-A	20	DS-6408HDI-T	14
DS-2AE7123TI	16	DS-6701HFI	14
DS-2AE7168N-A	20	DS-6704HFI	14
DS-2AE7230TI	16	DS-6708HFI	14
DS-2AF5268N-A	19	DS-6716HFI	14
DS-2AF5268N-A3	19	DS-7204HGHI-SH	17
DS-2AF7268N-A	19	DS-7204HWHI-SH	21
DS-2CC11A1N-VFIR	19	DS-7208HGHI-SH	17
DS-2CC11A7N-A	18	DS-7208HWHI-SH	21
DS-2CC11A7N-VFIR	19	DS-7216HGHI-SH	17
DS-2CC12A1N-AVFIR8H	19	DS-7216HWHI-SH	21
DS-2CC51A1N-VF	18	DS-7308HQHI-SH	17
DS-2CC51A1N-VP	18	DS-7308HWHI-SH	21
DS-2CC51A1N-VPIR	18	DS-7316HQHI-SH	17
DS-2CC51A1N-VPIR8H	18	DS-7316HWHI-SH	21
DS-2CC51A7N-VF	18	DS-7332HWHI-SH	21
DS-2CC51A7N-VP	18	DS-9008HWHI-ST	14
DS-2CC51A7N-VPIR	18	DS-9016HWHI-ST	14
DS-2CC51A7N-VPIR8H	18		
DS-2CE15C2N-IR	20		
DS-2CE15C2N-VFIR3	20		
DS-2CE16C2N-IT3	20		
DS-2CE16C2T-IR	15		
DS-2CE16C5T-IT1	15		
DS-2CE16C5T-VFIR3	15		
DS-2CE16D5T-AVFIT3	16		
DS-2CE16D5T-IT3	15		
DS-2CE55C2N	20		
DS-2CE55C2N-IRM	20		
DS-2CE55C2N-VFIR3	20		
DS-2CE56C2N-IT3	20		
DS-2CE56C2T-IRM	15		
DS-2CE56C5T-IT1	15		
DS-2CE56C5T-VFIT3	15		
DS-2CE56D5T-IT3	15		
DS-2CE56D5T-VFIT3	16		

Unauthorized Distributor Policy

Hikvision USA sells products ONLY through authorized dealers. If you do not purchase Hikvision product from an authorized Hikvision reseller you will not receive after-sale support. Hikvision USA only supports products that are sold through company-approved channels and will not support product sold outside these channels. Hikvision and Hikvision USA DO NOT sell via on-Line or direct to end-users. If you have questions or concerns about the official status of your Hikvision distributor before your purchase, please contact Hikvision USA Customer Service at csr@hikvisionusa.com to confirm their authorized status.



Hikvision USA
908 Canada Court
City of Industry, CA 91748
sales@hikvisionusa.com



www.facebook.com/HikvisionUSAInc



www.twitter.com/HikvisionUSAInc



www.linkedin.com/company/hikvision-usa



www.instagram.com/hikvisionusa