

Product Quick Guide

Apr. 2014



HIKVISION

www.hikvision.com

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Available from A1 Security Cameras

www.a1securitycameras.com email: sales@a1securitycameras.com

Hikvision is a world's 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 the 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 are used in more than 100 countries, and 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.

Hikvision has global operations with regional branch offices in the United States, Netherlands, Italy, UK, Singapore, Australia, Brazil, South Africa and Dubai; joint ventures in India and Russia; as well as a maintenance center in Hong Kong.

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.



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Analog DVRs



Analog and Speed Dome Cameras



NVRs



Hybrid DVRs

**Storage
Server**

Application software for recording video streams onto your PC with redundant image data storage and effective scalability of analog and IP solutions.



iVMS-4200



IP Speed Dome



Mobile DVRs



Megapixel IP Cameras



Encoders & Decoders



iVMS-4500



IP Cameras

All Network Cameras are capable of H.264 Video Compression.
 All "Outdoor" Cameras are IP66 Weather Proof Rated.
 All PoE are based on IEEE 802.3af Class 3 Standard.
 All High PoE are based on IEEE 802.3at Class 4 Standard.
 *1/1: Available as special order (S versions)

Product List

* All Cameras and Recorders are UL/cUL listed

IP CAMERA02-06

Smart Series

DS-2CD4032FWD-A
 DS-2CD4112FWD-IZ
 DS-2CD4124F-IZ
 DS-2CD4132FWD-IZ
 DS-2CD4212FWD-IZH *1/1
 DS-2CD4224F-IZH *1/1
 DS-2CD4232FWD-IZH *1/1
 DS-2CD4312FWD-IZHS
 DS-2CD4324F-IZHS
 DS-2CD4332FWD-IZHS
 DS-2CD6332FWD-I *1/1
 DS-2CD6362F-I *1/1

Pro Series

DS-2CD883F-E
 DS-2CD853F-E
 DS-2CD864FWD-E
 DS-2CD783F-EZ
 DS-2CD783F-EIZ
 DS-2CD754FWD-EZ
 DS-2CD754FWD-EIZ
 DS-2CD753F-EZ
 DS-2CD753F-EIZ
 DS-2CD764FWD-EZ
 DS-2CD764FWD-EIZ
 DS-2CD7283F-EIZ *1/1
 DS-2CD7283F-EIZH *1/1
 DS-2CD7254FWD-EIZ *1/1
 DS-2CD7254FWD-EIZH *1/1
 DS-2CD7253F-EIZ *1/1
 DS-2CD7253F-EIZH *1/1
 DS-2CD7264FWD-EIZ *1/1
 DS-2CD7264FWD-EIZH *1/1
 DS-2CD8283F-EIZ
 DS-2CD8254FWD-EIZ
 DS-2CD8253F-EIZ
 DS-2CD8264FWD-EIZ
 DS-2CD6412FWD-10
 DS-2CD6412FWD-20

Value Series

DS-2CD2112-I
 DS-2CD2132-I
 DS-2CD2512F-I
 DS-2CD2512F-IWS
 DS-2CD2532F-I
 DS-2CD2532F-IWS
 DS-2CD2012-I
 DS-2CD2032-I
 DS-2CD2212-I5
 DS-2CD2232-I5

DS-2CD2312-I
 DS-2CD2332-I
 DS-2CD2412F-IW
 DS-2CD2432F-IW
 DS-2CD2612F-I
 DS-2CD2632F-I
 DS-2CD2712F-I *1/1
 DS-2CD2732F-I *1/1
 DS-2CD2014WD-I
 DS-2CD2114WD-I

ANALOG CAMERA06-07

Pro Series

DS-2CC11A7N-A
 DS-2CC51A7N-VF
 DS-2CC51A1N-VF
 DS-2CC51A7N-VP
 DS-2CC51A7N-VPiR
 DS-2CC51A7N-VPiR-H
 DS-2CC51A1N-VP
 DS-2CC51A1N-VPiR
 DS-2CC51A1N-VPiR-H
 DS-2CC11A7N-VFIR
 DS-2CC11A1N-VFIR
 DS-2CC12A1N-AVFIR8H

Value Series

DS-2CE55C2N
 DS-2CE55C2N-IRM
 DS-2CE56C2N-IT3
 DS-2CE55C2N-VFIR3
 DS-2CE15C2N-IR
 DS-2CE16C2N-IT3
 DS-2CE15C2N-VFIR3

NETWORK SPEED DOME ... 07-08

PRO SERIES

DS-2DF7276-AEL
 DS-2DF5276-AEL
 DS-2DF5276-AE3
 DS-2DF7286-AEL
 DS-2DF5286-AEL
 DS-2DF5286-AE3

Value Series

DS-2DE7184-AE
 DS-2DE5184-AE
 DS-2DE7174-AE
 DS-2DE5174-AE
 DS-2DE5184-AE3

ANALOG SPEED DOME ... 08

Pro Series

DS-2AF7268N-A
 DS-2AF5268N-A
 DS-2AF5268N-A3

Value Series

DS-2AE7168N-A
 DS-2AE5168N-A

DIGITAL VIDEO RECORDER ... 09

DS-7204HWI-SH
 DS-7208HWI-SH
 DS-7216HWI-SH
 DS-7308HWI-SH
 DS-7316HWI-SH

ENCODER / DECODER ... 09

Encoder

DS-6701HFI
 DS-6704HFI
 DS-6708HFI
 DS-6716HFI

Decoder

DS-6401HDI-T
 DS-6404HDI-T
 DS-6408HDI-T

NETWORK VIDEO RECORDER ... 09

DS-9616NI-ST
 DS-9632NI-ST
 DS-9664NI-ST
 DS-96128NI-E24/H
 DS-96256NI-E24/H

WiFi NVR

DS-7104NI-SL/W

Integrated PoE Switch

DS-7604NI-SE/P
 DS-7608NI-SE/8P
 DS-7716NI-SP/16

NVR - RAID ... 09

DS-9632NI-RT
 DS-9664NI-RT

HYBRID DVR ... 09

DS-9016HWI-ST

KEYBOARD ... 10

DS-1003KI
 DS-1100KI

NETWORKING EQUIPMENT ... 10

PoE Network Switch

DS-3D2208P
 DS-3D2216P
 DS-3D2228P

Ethernet Over Coax

DS-1H05-T
 DS-1H05-R

HDD ... 10

BRACKET & CAMERA MOUNT ... 10

LENS ... 08

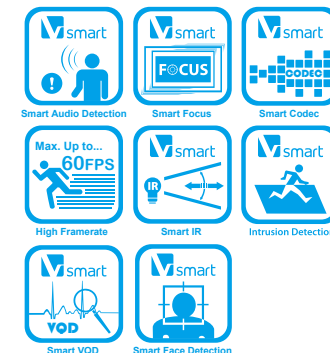
iVMS SOFTWARE SERIES ... 11

MODEL NAME CODING RULES ... 11

Smart Series

	Box Camera	Indoor Fixed Vandal Dome			Bullet Camera		
Model	DS-2CD4032FWD-A	DS-2CD4112FWD-IZ	DS-2CD4124F-IZ	DS-2CD4132FWD-IZ	DS-2CD4212FWD-IZH	DS-2CD4224F-IZH	DS-2CD4232FWD-IZH
Image Sensor							
Image Sensor	1/3" Progressive Scan CMOS	1/3" 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	1/3" Progressive Scan CMOS
Min. Illumination (lux)	Color: 0.1 Lux @ (F1.2, AGC ON); B/W: 0.01 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	0.014 Lux @ (F1.4, AGC ON), 0 lux with IR	0.014 Lux @ (F1.4, AGC ON), 0 lux with IR	0.027 Lux @ (F1.4, AGC ON), 0 lux with IR	0.14 Lux @ (F1.4, AGC ON), 0 lux with IR
Lens	C/CS Mount Auto Back Focus (ABF)	2.8-12mm @ F1.4	2.8-12mm @ F1.4	2.8-12mm @ F1.4	2.8-12mm @ F1.4	2.8-12mm @ F1.4	2.8-12mm @ F1.4
Angle of View		98.4-30.2°	113-33.8°	91.2-28.3°	98.4-30.2°	113-33.8°	91.2-28.3°
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
BLC/WDR	120dB	120dB	DWDR	120dB	120dB	DWDR	120dB
IR		Approx. 10 to 30 meters	Approx. 10 to 30 meters	Approx. 10 to 30 meters	Approx. 20 to 30 meters	Approx. 20 to 30 meters	Approx. 20 to 30 meters
Video Compression	H.264/MPEG4/MJPEG	H.264/MPEG4/MJPEG	H.264/MPEG4/MJPEG	H.264/MPEG4/MJPEG	H.264/MPEG4/MJPEG	H.264/MPEG4/MJPEG	H.264/MPEG4/MJPEG
Max. Image Resolution	2048 x 1536	1280 x 960	1920x1080	2048 x 1536	1280x960	1920x1080	2048 x 1536
Frame Rate	20fps (2048 x 1536) 30fps (1920 x 1080) 30fps (1280 x 720)	30fps (1280 x 960) 30fps (1280 x 720)	30fps (1920 x 1080) 30fps (1280 x 960) 30fps (1280 x 720)	20fps (2048 x 1536) 30fps (1920 x 1080) 30fps (1280 x 720)	30fps (1280 x 960) 30fps (1280 x 720)	30fps (1920 x 1080) 30fps (1280 x 960) 30fps (1280 x 720)	20fps (2048 x 1536) 30fps (1920 x 1080) 30fps (1280 x 720)
Multi-Streaming	Triple Stream	Triple Stream	Triple Stream	Triple Stream	Triple Stream	Triple Stream	Triple Stream
Motion Detection	Yes	Yes	Yes	Yes	Yes	Yes	Yes
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-ch 3.5 mm audio interface	1-ch 3.5 mm audio interface, Mic in/Line in // 1-ch 3.5 mm audio interface	1-ch 3.5 mm audio interface, Mic in/Line in // 1-ch 3.5 mm audio interface	*1/1	*1/1	*1/1
Alarm Input/Output	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
Ratings					IP66	IP66	IP66
Safety		IEC60068-275Eh, 50J; EN50102, up to IK10	IEC60068-275Eh, 50J; EN50102, up to IK10	IEC60068-275Eh, 50J; EN50102, up to 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)	-40 °C ~ 60 °C (-40 °F ~ 140 °F) with smart heater on	-40 °C ~ 60 °C (-40 °F ~ 140 °F) with smart heater on	-40 °C ~ 60 °C (-40 °F ~ 140 °F) with smart heater on
Power/PoE	24 V AC ± 10%, 12 VDC ± 10%, PoE (802.3af)	12 VDC ± 10% / PoE (802.3af)	12 VDC ± 10% / PoE (802.3af)	12 VDC ± 10% / PoE (802.3af)	12 VDC ± 10% / PoE (802.3af)	12 VDC ± 10% / PoE (802.3af)	12 VDC ± 10% / PoE (802.3af)

Smart Features:



- Region of Interest Encoding (ROI)
- Smart Codec
- DWDR, 3D DNR
- Triple streams
- Micro SD/SDXC card, up to 64GB
- Motorized VF lens (-Z)
- Smart Video Quality Detection
- Smart Facial Detection
- Intrusion Detection
- Built-in heater & fan
- Image Defog
- EIS (Electronic Image Stabilization)
- Audio Detection

Smart Series

Outdoor Fixed Vandal Dome

Fisheye

	DS-2CD4312FWD-IZHS	DS-2CD4324F-IZHS	DS-2CD4332FWD-IZHS	DS-2CD6332FWD-I	DS-2CD6362F-I
Model					
Image Sensor	1/3" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS	1/3" Progressive Scan CMOS	1/3" Progressive Scan CMOS	1/1.8" progressive Scan CMOS
Min. Illumination (lux)	0.014 Lux @ (F1.4, AGC ON), 0 lux with IR	0.027 Lux @ (F1.4, AGC ON), 0 lux with IR	0.14 Lux @ (F1.4, AGC ON), 0 lux with IR	0.31lux @ (F2.8, AGC ON), 0 lux with IR	0.31lux @ (F2.8, AGC ON), 0 lux with IR
Lens	2.8-12mm @ F1.4	2.8-12mm @ F1.4	2.8-12mm @ F1.4	1.19mm@F2.0	1.27mm@F2.8
Angle of View	98.4-30.2°	113-33.8°	91.2-28.3°	360°	360°
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	ICR	ICR
BLC/WDR	120dB	DWDR	120dB	120dB	DWDR
IR	Approx. 10 to 30 meters	Approx. 10 to 30 meters	Approx. 10 to 30 meters	15 meters	15 meters
Video Compression	H.264/MPEG4/MJPEG	H.264/MPEG4/MJPEG	H.264/MPEG4/MJPEG	H.264/MJPEG	H.264/MJPEG
Max. Image Resolution	1280 × 960	1920 × 1080	2048 × 1536	2048 × 1536	3072 × 2048
Frame Rate	30fps (1280 × 960) 30fps (1280 × 720)	30fps (1920 × 1080) 30fps (1280 × 960) 30fps (1280 × 720)	20fps (2048 × 1536) 30fps (1920 × 1080) 30fps (1280 × 720)	High-frame mode: 1 × fisheye (2048 × 1536/1536 × 1536, 25fps) or 4 × PTZ (800 × 600, 30fps) Multi-channel mode: 1 × fisheye (1536 × 1536, 20fps), 1 × panoramic (1600 × 1200, 20fps) 3 × PTZ (800 × 600, 20fps)	High-frame mode: 1 × fisheye (3072 × 2048/2048 × 2048, 25fps) or 4 × PTZ (1024 × 768, 30fps) Multi-channel mode: 1 × fisheye (1280 × 1280, 15fps), 1 × panoramic (2048 × 1536, 15fps) 3 × PTZ (1024 × 768, 15fps)
Multi-Streaming	Triple Stream	Triple Stream	Triple Stream	Triple Stream	Triple Stream
Motion Detection	Yes	Yes	Yes	Yes	Yes
Audio Input/Output	1/1	1/1	1/1	*1/1	*1/1
Alarm Input/Output	2/2	2/2	2/2	*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
Ratings	IP66	IP66	IP66		
Safety	IEC60068-2-75Eh, 50J; EN50102, up to IK10	IEC60068-2-75Eh, 50J; EN50102, up to IK10	IEC60068-2-75Eh, 50J; EN50102, up to IK10	N/A	N/A
Operating Conditions	-30 °C ~ 60 °C (-22 °F ~ 140 °F) Humidity 95% or less (non-condensing) -H: -40 °C ~ 60 °C (-40 °F ~ 140 °F) with smart heater on	-30 °C ~ 60 °C (-22 °F ~ 140 °F) Humidity 95% or less (non-condensing) -H: -40 °C ~ 60 °C (-40 °F ~ 140 °F) with smart heater on	-30 °C ~ 60 °C (-22 °F ~ 140 °F) Humidity 95% or less (non-condensing) -H: -40 °C ~ 60 °C (-40 °F ~ 140 °F) with smart heater on	-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	24 VAC ± 10% /PoE (802.3af)	24 VAC ± 10% /PoE (802.3af)	24 VAC ± 10% /PoE (802.3af)	12 VDC ± 10% / PoE (802.3af)	12 VDC ± 10% / PoE (802.3af)



Smart IR

The improved Smart IR function allows adjusting the IR strength to have a better visibility depending on the specific requirement.



120dB WDR

With super high dynamic range (120dB), Hikvision's unique, WDR technology brings out the cameras the powerful light handling ability in producing crystal-extreme strong backlight conditions. Clear images even under



Low-light

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



Pro Series

Box Camera

Indoor Fixed Vandal Dome

Model								
Image Sensor	1/2.5" Progressive Scan CMOS	1/3" progressive Scan CMOS	1/3" Progressive Scan CMOS	1/2.5" Progressive Scan CMOS	1/2.5" Progressive Scan CMOS	1/3" Progressive Scan CMOS	1/3" Progressive Scan CMOS	1/3" Progressive Scan CMOS
Min. Illumination (lux)	0.6 Lux@F1.2 (Color) 0.08 Lux@F1.2 (B&W)	0.1 Lux@F1.2 (Color) 0.01 Lux@F1.2 (B&W)	0.01 Lux@F1.2 (Color) 0.001 Lux@F1.2 (B&W)	1 Lux@F1.6	1 Lux@F1.6	0.17 lux @F1.6	0.17 lux @F1.6 0 lux with IR Remote Zoom/Focus	0.8 lux @F1.6 0.17 lux @F1.6 Remote Zoom/Focus
Lens				3.5 ~ 9 mm @F1.6 Remote Zoom/Focus	3.5 ~ 9 mm @F1.6 Remote Zoom/Focus	2.7 ~ 9mm @F1.6 Remote Zoom/Focus	2.7 ~ 9mm @F1.6	2.7 ~ 9 mm @F1.6
Angle of View				92° ~ 36°	92° ~ 36°	105°-32.1°	105°-32.1°	92.4°-28.4°
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°
Day & Night	True	True	True	Electronic	True	Electronic	True	Electronic
BLC/WDR	BLC		120 dB	BLC	BLC	120 dB	120 dB	
IR					approx. 10 ~ 20m		approx. 10 ~ 20m	
Video Compression	H.264 / MPEG4 / MJPEG	H.264 / MPEG4 / MJPEG	H.264 / MPEG4 / MJPEG	H.264 / MPEG4 / MJPEG	H.264 / MPEG4 / MJPEG	H.264 / MPEG4 / MJPEG	H.264 / MPEG4 / MJPEG	H.264 / MPEG4 / MJPEG
Max. Image Resolution	5.0MP CMOS (2560 x 1920)	2.0MP CMOS (1600 x 1200)	1.3MP CMOS (1280 x 960)	5.0MP CMOS (2560 x 1920)	5.0MP CMOS (2560 x 1920)	3.0MP CMOS (2048 x 1536)	3.0MP CMOS (2048 x 1536)	2.0MP CMOS (1600 x 1200)
Frame Rate	7.5 fps (2560 x 1920) 15 fps (2048 x 1536) 30 fps (1920 x 1080)	15fps (1600x1200) 30fps (1280x720)	30fps (1280 x 960) 30fps (1280 x 720)	7.5 fps (2560 x 1920) 15 fps (2048 x 1536) 30 fps (1920 x 1080) 30 fps (1600 x 1200) 30 fps (1280 x 720)	7.5 fps (2560 x 1920) 15 fps (2048 x 1536) 30 fps (1920 x 1080) 30 fps (1920 x 1080)	15 fps (2048 x 1536) 30fps (1920 x 1080) 30fps (1280 x 720)	15 fps (2048 x 1536) 30fps (1920 x 1080) 30fps (1280 x 720)	15 fps (1600 x 1200) 15 fps (1600 x 912) 30fps (1280 x 960) 30 fps (1280 x 720)
Dual Stream	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Motion Detection	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Audio Input/Output	1/1	1/1	1/1	1/1	1/1	1/1	1/1	1/1
Alarm Input/Output	1/1	1/1	1/1	2/2	2/2	2/2	2/2	2/2
SD Card	Up to 32GB	Up to 32GB	Up to 32GB	Up to 32GB	Up to 32GB	Up to 32GB	Up to 32GB	Up to 32GB
Ratings				IK10	IK10	IK10	IK10	IK10
Safety	UL/ cUL	UL/ cUL	UL/ cUL	UL/ cUL	UL/ cUL	UL/ cUL	UL/ cUL	UL/ cUL
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)	-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)
Power/PoE	12VDC/PoE 8W Max.	12VDC/PoE 7.5W Max.	12VDC/PoE 8.5W Max.	12VDC/PoE 8.5W Max.	12VDC/PoE 10.5W Max.	12VDC/PoE 8.5W Max.	12VDC/PoE 10.5W Max.	12VDC/PoE 7.5W Max.

Pro Series

Indoor Fixed Vandal Dome

Outdoor Fixed Vandal Dome

Model	DS-2CD753F-EIZ	DS-2CD764FWD-EZ	DS-2CD764FWD-EIZ	DS-2CD7283F-EIZ	DS-2CD7283F-EIZH	DS-2CD7254FWD-EIZ	DS-2CD7254FWD-EIZH	DS-2CD7253F-EIZ
Image Sensor								
Min. Illumination (lux)	1/3" Progressive Scan CMOS 0.8 lux @F1.6, 0.17 lux @ F1.6, 0 lux with IR Remote Zoom/Focus	1/3" Progressive Scan CMOS 0.017 Lux @F1.6 Remote Zoom/Focus	1/3" Progressive Scan CMOS 0.017 Lux @F1.6 0 Lux with IR Remote Zoom/Focus	1/2.5" Progressive Scan CMOS 1 lux @F1.6 0 lux with IR Remote Zoom/Focus	1/2.5" Progressive Scan CMOS 1 lux @F1.6 0 lux with IR Remote Zoom/Focus	1/3" Progressive Scan CMOS 0.17 lux @F1.6 0 lux with IR Remote Zoom/Focus	1/3" Progressive Scan CMOS 0.17 lux @F1.6 0 lux with IR Remote Zoom/Focus	1/3" Progressive Scan CMOS 0.8 lux @F1.6 0 lux with IR Remote Zoom/Focus
Lens	2.7 ~ 9 mm @F1.6	2.7 ~ 9mm @F1.6	2.7 ~ 9mm @F1.6	3.5 ~ 9 mm @F1.6	3.5 ~ 9 mm @F1.6	2.7 ~ 9 mm @F1.6	2.7 ~ 9 mm @F1.6	2.7 ~ 9mm @ F1.6
Angle of View	92.4° ~ 28.4°	101° ~ 30.4°	101° ~ 30.4°	92° ~ 36°	92° ~ 36°	105° ~ 32.1°	105° ~ 32.1°	92.4° ~ 28.4°
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 ~ 80° Rotation: 0 ~ 355°	Pan: 0 ~ 355° Tilt: 0 ~ 80° Rotation: 0 ~ 355°	Pan: 0 ~ 355° Tilt: 0 ~ 80° Rotation: 0 ~ 355°	Pan: 0 ~ 355° Tilt: 0 ~ 80° Rotation: 0 ~ 355°	Pan: 0 ~ 355° Tilt: 0 ~ 80° Rotation: 0 ~ 355°
Day & Night	True	Electronic	True	True	True	True	True	True
BLC/WDR		120 dB	120 dB	BLC	BLC	120 dB	120 dB	
IR	approx. 10 ~ 20m		approx. 10 ~ 20m	approx. 20 ~ 30m	approx. 20 ~ 30m	approx. 10 ~ 20m	approx. 10 ~ 20m	approx. 20 ~ 30m
Video Compression	H.264 / MPEG4 / MJPEG	H.264 / MPEG4 / MJPEG	H.264 / MPEG4 / MJPEG	H.264 / MPEG4 / MJPEG	H.264 / MPEG4 / MJPEG	H.264 / MPEG4 / MJPEG	H.264 / MPEG4 / MJPEG	H.264 / MPEG4 / MJPEG
Max. Image Resolution	2.0MP CMOS (1600 x 1200)	1.3MP CMOS (1280 x 960)	1.3MP CMOS (1280 x 960)	5.0MP CMOS (2560 x 1920)	5.0MP CMOS (2560 x 1920)	3.0MP CMOS (2048 x 1536)	3.0MP CMOS (2048 x 1536)	2.0MP CMOS (1600x1200)
Frame Rate	25 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)	7.5 fps (2560 x 1920) 15 fps (2048 x 1536) 30 fps (1920 x 1080) 30 fps (1600 x 1200) 30 fps (1280 x 720)	7.5 fps (2560 x 1920) 15 fps (2048 x 1536) 30 fps (1920 x 1080) 30 fps (1600 x 1200) 30 fps (1280 x 720)	15 fps (2048 x 1536) 30 fps (1920 x 1080) 30 fps (1280 x 720)	15 fps (2048 x 1536) 30 fps (1920 x 1080) 30 fps (1280 x 720)	15fps (1600x1200) 15fps (1600x912) 30 fps (1280x960) 30fps (1280x720)
Dual Stream	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Motion Detection	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Audio Input/Output	1/1	1/1	1/1	*1/1	*1/1	*1/1	*1/1	*1/1
Alarm Input/Output	2/2	2/2	2/2	*1/1	*1/1	*1/1	*1/1	*1/1
SD Card	Up to 32GB	Up to 32GB	Up to 32GB	Up to 32GB	Up to 32GB	Up to 32GB	Up to 32GB	Up to 32GB
Ratings	IK10	IK10	IK10	IP66 / IK10	IP66 / IK10	IP66 / IK10	IP66 / IK10	IP66 / IK10
Safety	UL/ cUL	UL/ cUL	UL/ cUL	UL/ cUL	UL/ cUL	UL/ cUL	UL/ cUL	UL/ cUL
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	-10°C ~ 60°C (14°F ~ 140°F), humidity 90% or less (non-condensing)
Power/PoE	12VDC/PoE 9.5W Max.	12VDC/PoE 8.5W Max.	12VDC/PoE 10.5W Max.	24VAC/PoE 12W Max.	24VAC/PoE+ 24W Max.	24VAC/PoE 12W Max.	24VAC/PoE+ 24W Max.	24VAC/PoE 12W Max.

Pro Series

Outdoor Fixed Vandal Dome

Bullet Camera

Covert Camera

Model										
Image Sensor	1/3" Progressive Scan CMOS	1/3" Progressive Scan CMOS	1/3" Progressive Scan CMOS	1/2.5" 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)	0.8 lux @F1.6 0 lux with IR Remote Zoom/Focus	0.017 lux @F1.6 0 lux with IR Remote Zoom/Focus	0.017 lux @F1.6 0 lux with IR Remote Zoom/Focus	1 lux@F1.6 0 lux with IR Remote Zoom/Focus	0.17 lux@F1.6 0 lux with IR Remote Zoom/Focus	0.8 lux@F1.6 0 lux with IR Remote Zoom/Focus	0.017 Lux @F1.6 0 Lux with IR Remote Zoom/Focus	Color: 0.04 Lux @ (F2.3,AGC ON) B/W: 0.004 Lux @ (F2.3,AGC ON)	Color: 0.04 Lux @ (F2.3,AGC ON) B/W: 0.004 Lux @ (F2.3,AGC ON)	
Lens	2.7 ~ 9mm @F1.6	2.7 ~ 9mm @F1.6	2.7 ~ 9 mm @F1.6	3.5 ~ 9 mm @F1.6	2.7 ~ 9 mm @F1.6	2.7 ~ 9mm @F1.6	2.7 ~ 9mm @F1.6	3.7mm @F2.3	3.7mm @F2.3	
Angle of View	92.4° ~ 28.4°	101° ~ 30.4°	101° ~ 30.4°	92° ~ 36°	105° ~ 32.1°	92.4° ~ 28.4°	101° ~ 30.4°	63°	63°	
Adjustment Range	Pan: 0 ~ 355° Tilt: 0 ~ 80° Rotation: 0 ~ 355°	Pan: 0 ~ 355° Tilt: 0 ~ 80° Rotation: 0 ~ 355°	Pan: 0 ~ 355° Tilt: 0 ~ 80° Rotation: 0 ~ 355°	Universal Mount	Universal Mount	Universal Mount	Universal Mount			
Day & Night	True	True	True	True	True	True	True	Electronic	Electronic	
BLC/WDR		120 dB	120 dB	BLC	120 dB		120 dB	BLC/120dB WDR	BLC/120dB WDR	
IR	approx. 20 ~ 30m	approx. 20 ~ 30m	approx. 20 ~ 30m	approx. 20 ~ 30m	approx. 20 ~ 30m	approx. 20 ~ 30m	approx. 20 ~ 30m			
Video Compression	H.264 / MPEG4 / MJPEG	H.264 / MPEG4 / MJPEG	H.264 / MPEG4 / MJPEG	H.264 / MPEG4 / MJPEG	H.264 / MPEG4 / MJPEG	H.264 / MPEG4 / MJPEG	H.264 / MPEG4 / MJPEG	H.264 / MPEG4 / MJPEG	H.264 / MPEG4 / MJPEG	
Max. Image Resolution	2.0MP CMOS (1600×1200)	1.3MP CMOS (1280 × 960)	1.3MP CMOS (1280 × 960)	5.0MP CMOS (2560 x 1920)	3.0MP CMOS (2048×1536)	2.0MP CMOS (1600 x 1200)	1.3MP CMOS (1280 x 960)	1.3MP CMOS (1280 x 960)	1.3MP CMOS (1280 x 960)	
Frame Rate	15fps (1600×1200) 15fps (1600×912) 25fps (1280×960) 30fps (1280×720)	30 fps (1280 x 720) 30 fps (1280 × 960)	30 fps (1280 x 720) 30 fps (1280 × 960)	15 fps (2048 x 1536) 30 fps (1920 x 1080) 30 fps (1280 x 720)	15 fps (2048 x 1536) 30 fps (1920 x 1080) 30 fps (1280 x 720)	15 fps (1600 × 1200) 15 fps (1600 × 912) 25 fps (1280 × 960) 30 fps (1280 × 720)	30 fps (1280 x 720) 30 fps (1280 × 960)	30 fps (1280x960) 30 fps (1280x720)	30 fps (1280x960) 30 fps (1280x720)	
Dual Stream	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Triple Stream	Triple Stream	
Motion Detection	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Audio Input/Output	*1/1	*1/1	*1/1					3.5mm Audio In (Mic in/ Line in) / Line out	3.5mm Audio In (Mic in/ Line in) / Line out	
Alarm Input/Output	*1/1	*1/1	*1/1					1 alarm in/1 alarm out	1 alarm in/1 alarm out	
SD Card	Up to 32GB	Up to 32GB	Up to 32GB					Build-in Micro SD/SDXC, up to 64GB	Build-in Micro SD/SDXC, up to 64GB	
Ratings	IP66 / IK10	IP66 / IK10	IP66 / IK10	IP66	IP66	IP66	IP66			
Safety	UL/ cUL	UL/ cUL	UL/ cUL	UL/ cUL	UL/ cUL	UL/ cUL	UL/ cUL	UL/ cUL	UL/ cUL	
Operating Conditions	-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	-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)	-10°C ~ 60°C (14°F ~ 140°F) humidity 90% 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	24VAC/PoE+ 24W Max.	24VAC/PoE 12W Max.	24VAC/PoE+ 24W Max.	12VDC/PoE 14W Max.	12VDC/PoE 12W Max.	12VDC/PoE 12W Max.	12VDC/PoE 12W Max.	DC12V ± 10%/PoE, Max. 5.5W	DC12V ± 10%/PoE, Max. 5.5W	

Value Series

Fixed Focal

Model	DS-2CD2112-I	DS-2CD2132-I	DS-2CD2512F-I	DS-2CD2512F-IWS	DS-2CD2532F-I	DS-2CD2532F-IWS	DS-2CD2012-I
							
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	0.19Lux @ F2.0 0 Lux with IR	0.028Lux @ F2.0 0 Lux with IR	0.19Lux @ F2.0 0 Lux with IR	0.19Lux @ F2.0 0 Lux with IR	0.19Lux @ F2.0 0 Lux with IR	0.028 lux@F2.0 0 Lux with IR
Lens	4mm@F2.0 (2.8, 6, 12mm optional)	4mm@ F2.0 (2.8, 6, 12mm optional)	4mm@F2.0 (2.8, 6mm optional)	4mm@F2.0 (2.8, 6mm optional)	4mm@F2.0 (2.8, 6mm optional)	4mm@F2.0 (2.8,6mm optional)	4mm@F2.0 (6, 12mm optional)
Angle of View	73.1°	79°	73.1	73.1	79°	79°	73.1°
Adjustment Range	Pan: 0° ~ 355° Tilt: 0° ~ 65°	Pan: 0° ~ 355° Tilt: 0° ~ 65°	Pan: ±30° Tilt: 0~75° Rotation: 0~360°	Pan: ±30° Tilt: 0~75° Rotation: 0~360°	Pan: ±30° Tilt: 0~75° Rotation: 0~360°	Pan: ±30° Tilt: 0~75° Rotation: 0~360°	Universal Mount
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	10-30m	10-30m	Up to 10m	Up to 10m	Up to 10m	Up to 10m	approx. 20 ~ 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	1.3MP CMOS (1280 × 960)	3MP CMOS (2048 × 1536)	1.3MP CMOS (1280 × 960)	1.3MP CMOS (1280 × 960)	3MP CMOS (2048×1536)	3MP CMOS (2048×1536)	1.3MP CMOS (1280 × 960)
Frame Rate	30 fps (1280 × 960) 30 fps (1280 × 720) 30 fps (704 × 480) 30 fps (640 × 480)	20 fps (2048 × 1536) 30 fps (1920 × 1080) 30 fps (1280 × 720)	30 fps (1280 × 960) 30 fps (1280 × 720) 30 fps (704 × 480) 30 fps (640 × 480)	30 fps (1280 × 960) 30 fps (1280 × 720) 30 fps (704 × 480) 30 fps (640 × 480)	20 fps (2048 × 1536) 30 fps (1920 × 1080) 30 fps (1280 × 720)	30 fps (1280 × 720) 30 fps (1280 × 960)	30 fps (1280 × 960) 30 fps (1280 × 720) 30 fps (704 × 480) 30 fps (640 × 480)
Dual Stream	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Motion Detection	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Audio Input/Output				Mic In/Audio Out		Mic In/Audio Out	
Alarm Input/Output			No	1/1	No		
Wireless				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		
Ratings	IP66 / IK10	IP66/IK10	IP66 / IK08	IP66 / IK08	IP66 / IK08	IP66 / IK08	IP66
Safety	UL/ cUL	UL/cUL	UL/cUL	UL/cUL	UL/cUL	UL/ cUL	UL/ cUL
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 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 90% or less (non-condensing)	-30 °C ~ 60 °C (-22°F ~ 140 °F) humidity 90% or less (non-condensing)
Power/PoE	12VDC/PoE 7W Max.	12 V DC ± 10% PoE (802.3af) Max. 5W (7W with ICR on)	12 V DC ± 10% PoE (802.3af) Max. 5W	12 V DC ± 10% PoE (802.3af) Max. 5W	12 V DC ± 10% PoE (802.3af) Max. 5W	12 V DC ± 10% PoE (802.3af) Max. 5W	12VDC/PoE 7W Max.

Value Series

	Fixed Focal	EXIR			Cube Camera		
Model	DS-2CD2032-I	DS-2CD2212-I5	DS-2CD2232-I5	DS-2CD2312-I	DS-2CD2332-I	DS-2CD2412F-IW	DS-2CD2432F-IW
							
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)	0.19Lux @ F2.0 0 Lux with IR	0.028 lux@F2.0 0 lux with IR	0.19 lux@F2.0 0 lux with IR	0.028 lux@F2.0 0 lux with IR	0.19 lux@F2.0 0 lux with IR	0.19 Lux@F2.0 0 Lux with IR	0.19 Lux@F2.0 0 Lux with IR
Lens	4mm@F2.0 (6, 12mm optional)	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 (2.8 mm optional)	4mm@F2.0 (2.8 mm optional)
Angle of View	79°	73.1°	79°	73.1°	79°	73.1°	79°
Adjustment Range	Universal Mount	Universal Mount	Universal Mount	Pan: 0° - 360° Tilt: 0° - 75° Rotation: 0° - 360°	Pan: 0° - 360° Tilt: 0° - 75° Rotation: 0° - 360°	Universal Mount	Universal Mount
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	20-30m	Up to 50m	Up to 50m	20-30m	20-30m	Up to 10m	Up to 10m
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	3MP CMOS(2048 × 1536)	1.3MP (1280 × 960)	3MP (2048×1536)	1.3MP (1280 × 960)	3MP (2048×1536)	1.3MP (1280 × 960)	3MP (2048×1536)
Frame Rate	20 fps (2048 × 1536) 30 fps (1920 × 1080) 30 fps (1280 × 720)	30 fps (1280 × 960) 30 fps (1280 × 720)	20 fps (2048 × 1536) 30 fps (1920 × 1080) 30 fps (1280 × 720)	30 fps (1280 × 960) 30 fps (1280 × 720)	20 fps (2048 × 1536) 30 fps (1920 × 1080) 30 fps (1280 × 720)	30 fps (1280 × 960) 30 fps (1280 × 720)	20 fps (2048 × 1536) 30 fps (1920 × 1080) 30 fps (1280 × 720)
Dual Stream	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Motion Detection	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Audio Input/Output						Built-in microphone and speaker	Built-in microphone and speaker
Alarm Input/Output						1/1	1/1
Wireless						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
Ratings	IP66	IP66	IP66	IP66	IP66		
Safety	UL/cUL	UL/cUL	UL/cUL	UL/cUL	UL/cUL	UL/cUL	UL/cUL
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. 5W (7W with ICR on)	12 V DC ± 10% PoE (802.3af) Max. 7W (9W with ICR on)	12 V DC ± 10% PoE (802.3af) Max. 7W (9W with ICR on)	12 V DC ± 10% PoE (802.3af) Max. 5.5W (7.5W with ICR on)	12 V DC ± 10% PoE (802.3af) Max. 5.5W (7.5W with ICR on)	12 V DC ± 10% PoE (802.3af) Max. 5W	12 V DC ± 10% PoE (802.3af) Max. 5W

Value Series

Vari Focal

True WDR

Model	DS-2CD2612F-I	DS-2CD2632F-I	DS-2CD2712F-I	DS-2CD2732F-I	DS-2CD2014WD-I	DS-2CD2114WD-I
						
Image Sensor	1/3" Progressive Scan CMOS	1/3" Progressive Scan CMOS	1/3" Progressive Scan CMOS	1/3" Progressive Scan CMOS	1/4" Progressive Scan CMOS	1/3" Progressive Scan CMOS
Min. Illumination (lux)	0.014 lux@F1.4 0 lux with IR	0.1 Lux @(F1.4,AGC ON) 0 Lux with IR	0.014 lux@F1.4 0 lux with IR	0.1 Lux @(F1.4,AGC ON) 0 Lux with IR	0.028 lux @ F2.0 0 Lux with IR	0.028 lux@F2.0 0 lux with IR
Lens	2.8 ~ 12mm@F1.4	2.8 ~ 12mm@F1.4	2.8 ~ 12mm@F1.4	2.8 ~ 12mm@F1.4	4mm@F2.0 (6, 12mm optional)	4mm@F2.0 (6, 12mm optional)
Angle of View	80° ~ 28.7°	105.2°~31.9°	80° ~ 28.7°	105.2° ~ 31.9°	55°	55°
Adjustment Range	Universal Mount	Universal Mount	Pan: 0° ~ 355°, Tilt: 0° ~ 75° Rotation: 0° ~ 355°	Pan: 0° ~ 355°, Tilt: 0° ~ 75° Rotation: 0° ~ 355°	Universal Mount	Universal Mount
Day & Night	True	True	True	True	True	True
BLC/WDR	BLC/DWDR	BLC/DWDR	BLC/DWDR	BLC/DWDR	true WDR, 100dB	true WDR, 100dB
IR	Up to 30m	Up to 30m	Up to 20m	Up to 20m	Up to 30m	10-30m
Video Compression	H.264/ MJPEG	H.264/ MJPEG	H.264/ MJPEG	H.264/ MJPEG	H.264/ MJPEG	H.264/ MJPEG
Max. Image Resolution	1.3MP (1280 × 960)	3MP (2048×1536)	1.3MP (1280 × 960)	3MP (2048×1536)	1.3MP (1280 × 960)	1.3MP (1280 × 960)
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 × 960) 30 fps (1280 × 720)	20 fps (2048 × 1536) 30 fps (1920 × 1080) 30 fps (1280 × 720)	20 fps (2048 × 1536) 30 fps (1920 × 1080) 30 fps (1280 × 720)	30 fps (1280 × 960) 30 fps (1280 × 720)
Dual Stream	Yes	Yes	Yes	Yes	Yes	Yes
Motion Detection	Yes	Yes	Yes	Yes	Yes	Yes
Audio Input/Output			*1/1	*1/1		
Alarm Input/Output			*1/1	*1/1		
Wireless						
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	Built-in Micro SD/SDHC/SDXC card slot, up to 64 GB		
Ratings	IP66	IP66	IP66/IK10	IP66/IK10	IP66	IP66/IK10
Safety	UL/cUL	UL/cUL	UL/cUL	UL/cUL	UL/cUL	UL/cUL
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)
Power/PoE	12 V DC ± 10% PoE (802.3af) Max. 5.5W (Max. 7.5W with ICR on)	12 V DC ± 10% PoE (802.3af) Max. 5.5W (Max. 7.5W with ICR on)	12 V DC ± 10% PoE (802.3af) Max. 5.5W	12 V DC ± 10% PoE (802.3af) Max. 5.5W	12 V DC ± 10% PoE (802.3af) Max. 6W	12 V DC ± 10% PoE (802.3af) Max. 6W



HD/Full HD Resolution



You never have to guess what's going on at your place - day or night - with our HD cameras. Offering improved sharpness, clarity, and larger FoV under all light conditions, the cameras capture detailed video footage any time, all the time.

EXIR Technology



The cameras incorporating Hikvision EXIR infrared array technology provide best-in-breed illumination for any zero-dark environment. Benefiting from a highly-efficient light source and a evolutionary rectangular-shaped lens for matching HD format, the EXIR cameras can deliver the most advanced levels of night-time surveillance available on the market today.

Wi-Fi with WPS connection



Through WPS (Wi-Fi Protected Setup) feature, the Wi-Fi models can realize the configuration with wireless router in a easier and securer way.

Pro Series

	Box Camera	Indoor Dome		Outdoor Vandal-proof Dome				Vari-focal	
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	1/3" SONY Super HAD CCD II	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	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	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°	Universal Mount	Universal Mount
Angle of view		80° - 27.2°	80° - 27.2°	80° - 27.2°	80° - 27.2°	80° - 27.2°	80° - 27.2°	80° - 27.2°	80° - 27.2°
IR				DS-2CC51A7N-VP1R: 20-30m	20-30m	DS-2CC51A1N-VP1R: 20-30m	20-30m	20-30m	20-30m
OSD Menu	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Day & Night	True	True	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	BLC/75dB WDR	BLC/DWDR
Max. Image Resolution	700TVL / 960H	700TVL / 960H	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	Internal/Power	Internal/Power
Ratings				IP66/IK10	IP66/IK10	IP66/IK10	IP66/IK10	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)	-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	-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	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	24 V AC ± 10%, 12 V DC ± 10%, Max. 9.5 W	24 V AC ± 10%, 12 V DC ± 10%, Max. 9.5 W

Pro Series

Value Series

Vari-focal

DIS Dome

IR Camera

Model								
Image Sensor	1/3" SONY CCD	1/3" PICADIS	1/3" PICADIS	1/3" PICADIS	1/3" PICADIS	1/3" PICADIS	1/3" PICADIS	1/3" PICADIS
Min. Illumination (lux)	0.3Lux@(F1.2,AGC ON) 0 Lux with IR	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
Lens	5 - 50 mm @ F1.2	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
Adjustment Range	Pan: 0 - 360° Tilt: 0 - 75° Rotation: 0 - 360°	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
Angle of view	55° - 5.6°	71.4°	71.4°	71.4°	80° - 27.2°	71.4°	71.4°	80° - 27.2°
IR	50-80m	No	20m	40m	30-40m	20m	40m	30-40m
OSD Menu	Yes	No	No	No	No	No	No	No
Day & Night	True	Electronic	True	True	True	True	True	True
BLC/WDR	BLC	BLC	BLC	BLC	BLC	BLC	BLC	BLC
Max. Image Resolution	700TVL / 960H	720TVL	720TVL	720TVL	720TVL	720TVL	720TVL	720TVL
Synchronization	Internal	Internal	Internal	Internal	Internal	Internal	Internal	Internal
Ratings	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)	-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	24 V AC ± 10%, 12 V DC ± 10%,Max. 20 W	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. 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)

Pro Series

Model						
Image Sensor	1/3" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS	1/3" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS	1/3" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS
Min. Illumination (lux)	Color : 0.05 lux (F1.6, AGC On); B/W : 0.005 lux (F1.6, 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 : 0.05 lux (F1.6, AGC On); B/W : 0.005 lux (F1.6, 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)	Color : 0.05 lux (F1.6, AGC On); B/W : 0.005 lux (F1.6, AGC On)	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)
Lens	4.3 ~ 129.0mm	4.3 ~ 129.0mm	4.3 ~ 129.0mm	4.3 ~ 129.0mm	4.3 ~ 129.0mm	4.3 ~ 129.0mm
Optical Zoom	30x	30x	30x	30x	30x	30x
Max. Image Resolution	1.3MP(1280×960)	2MP(1920×1080)	1.3MP(1280×960)	2MP(1920×1080)	1.3MP(1280×960)	2MP(1920×1080)
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
Frame Rate	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 (1920×1080) 30 fps (1280×960) 30 fps (1280×720)	30 fps (1280×960) 30 fps (1280×720)	30 fps (1920×1080) 30 fps (1280×960) 30 fps (1280×720)
Pan Range	360° endless	360° endless	360° endless	360° endless	360° endless	360° endless
Pan & Tilt Speed (Manual)	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 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: 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"	"Pan Preset Speed: 540°/s Tilt Preset Speed: 400°/s"	"Pan Preset Speed: 540°/s Tilt Preset Speed: 400°/s"
Tilt Range	-2° ~ 90° (Auto Flip)	-2° ~ 90° (Auto Flip)	-5° ~ 90°(Auto Flip)	-5°~90°(Auto Flip)	-5° ~ 90°(Auto Flip)	-5°~90°(Auto Flip)
Day & Night	True	True	True	True	True	True
BLC/WDR	BLC/DWDR	BLC/DWDR	BLC/DWDR	BLC/DWDR	BLC/DWDR	BLC/DWDR
IR / Range	150m	150m				
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 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 VAC: -40°C ~ 65°C (-40°F ~ 149°F) Hi-PoE: -30°C ~ 65°C (-22°F ~ 149°F) / 90% or less	24 VAC: -40°C ~ 65°C (-40°F ~ 149°F) Hi-PoE: -30°C ~ 65°C (-22°F ~ 149°F) / 90% or less	24 VAC: -40°C ~ 65°C (-40°F ~ 149°F) Hi-PoE: -30°C ~ 65°C (-22°F ~ 149°F) PoE+: -20°C ~ 65°C (-4°F ~ 149°F) / 90% or less	24 VAC: -40°C ~ 65°C (-40°F ~ 149°F) Hi-PoE: -30°C ~ 65°C (-22°F ~ 149°F) PoE+: -20°C ~ 65°C (-4°F ~ 149°F) / 90% or less	-10°C ~ 50°C (14°F ~ 122°F) / 90% or less	-10°C ~ 50°C(14°F ~ 122°F) / 90% or less
Power	24 VAC: 60W max Hi-PoE: 50W max	24 VAC: 60W max Hi-PoE: 50W max	24 VAC: 60W max Hi-PoE: 40W max	24 VAC: 60W max Hi-PoE: 40W max	24 VAC / PoE+: Max. 25W	24 VAC / PoE+: Max. 25W

Value Series

Model	 DS-2DE7184-AE	 DS-2DE5184-AE	 DS-2DE7174-AE	 DS-2DE5174-AE	 DS-2DE5184-AE3
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
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
Lens	4.7 ~ 94mm	4.7 ~ 94mm	4.7 ~ 94mm	4.7 ~ 94mm	4.7 ~ 94mm
Optical Zoom	20x	20x	20x	20x	20x
Max. Image Resolution	2MP(1920×1080)	2MP(1920×1080)	1.3MP(1280×960)	1.3MP(1280×960)	2MP(1920×1080)
Video Compression	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)
Pan Range	360° endless	360° endless	360° endless	360° endless	360° endless
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 & 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
Tilt Range	-15° ~ 90° (Auto Flip)	-5° ~ 90° (Auto Flip)	-15° ~ 90° (Auto Flip)	-5° ~ 90° (Auto Flip)	-5° ~ 90° (Auto Flip)
Day & Night	True	True	True	True	True
BLC/WDR	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
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
Power	24 VAC; High PoE Max.30W/21W (Heater on/off)	24 VAC; PoE+ Max.22W/14W (Heater on/off)	24 VAC; High PoE Max.30W/21W (Heater on/off)	24 VAC; PoE+ Max.22W/14W (Heater on/off)	24 VAC; PoE+ Max. 14W

Pro & Value Series

	Pro Series		Value Series		
Model	DS-2AF7268N-A	DS-2AF5268N-A	DS-2AF5268N-A3	DS-2AE7168N-A	DS-2AE5168N-A
					
Image Sensor	1/4" Interline Transfer CCD	1/4" Interline Transfer CCD	1/4" Interline Transfer CCD	1/4" Sony CCD	1/4" Sony CCD
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)	Color: 0.02Lux/(F1.6, AGC ON) B/W: 0.002Lux/(F1.6, AGC ON)	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)
Lens	3.3 ~119mm	3.3 ~119mm	3.3 ~119mm	3.3 ~119mm	3.3 ~119mm
Optical Zoom	36X	36x	36x	36X	36X
Max. Image Resolution	Color: 700 TVL, B/W: 750 TVL	Color: 700 TVL, B/W: 750 TVL	Color: 700 TVL, B/W: 750 TVL	Color: 700 TVL, B/W: 750 TVL	Color: 700 TVL, B/W: 750 TVL
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	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
Day & Night	True	True	True	True	True
BLC/WDR	BLC/DWDR	BLC/DWDR	BLC/DWDR	BLC/DWDR	BLC/DWDR
Power	24 VAC Max.50W (IR On, Heater On); Max.35W(IR On, Heater Off); Max.15W(IR Off, Heater Off)	24VAC Max. 40W / 20W (Heater On / Off)	24VAC Max. 20W	24 VAC Max.30W(IR On, HeaterOn); Max.24W(IR On); Max.15W(IR Off, HeaterOff)	24VAC Max. 20W / 12W (Heater On / Off)

Lens

Megapixel Auto Iris Lenses

Model	YV2.8x2.8SR4A-SA2	TV0515D-MPIR	YV3.3x15SR4A-SA2L	DV4x12.5SR4A-SA1	TV2712D-MPIR	TV0550D-MPIR	DV3.8x4SR4A-SA1	DV4X12.5SR4A-SA1L
								
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, f12.5-50mm, F1.6, 1/1.8" Mount:C

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

Digital Video Recorder



Model	DS-7204HWI-SH	DS-7208HWI-SH	DS-7216HWI-SH	DS-7308HWI-SH	DS-7316HWI-SH
Video Compression	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	2-ch (1 Main Video Out+1 Spot Video Out)	2-ch (1 Main Video Out+1 Spot Video Out)
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
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
Frame Rate	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
Internal SATA	1	2	2	4	4
USB	2	2	2	3	3
Alarm Input/Output	4/1	8/4	16/4	8/4	16/4
Power	12 VDC	12 VDC	12 VDC	100~240VAC, 5A, 50~60Hz	100~240VAC, 5A, 50~60Hz

Encoder / Decoder

Encoder

Model	DS-6701HFI	DS-6704HFI	DS-6708HFI	DS-6716HFI
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				
Audio In/Out	1-ch / 1-ch	4-ch / 1-ch	8-ch / 1-ch	16-ch / 1-ch
Voice Talk Input	1-ch	1-ch	1-ch	1-ch
Resolution	4CIF / 2CIF / CIF / QCIF	4CIF / 2CIF / CIF / QCIF	4CIF / 2CIF / CIF / QCIF	4CIF / 2CIF / CIF / QCIF
Dual Stream	Yes	Yes	Yes	Yes
Frame Rate	30 fps	30 fps	30 fps	30 fps
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
RS-232			Yes	Yes
RS-485	Yes	Yes	Yes	Yes
Alarm Input/Output	1/1	4/2	8/4	16/4
Power	12VDC (≤ 5W) / PoE	12VDC (≤ 7W) / PoE	12VDC (≤ 10W) / PoE	12VDC (≤ 22W)

Decoder

Model	DS-6401HDI-T	DS-6404HDI-T	DS-6408HDI-T
Video In			
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, RCA	4-ch, DB15	8-ch, DB15
Voice Talk Input	1-ch, 3.5mm connector	1-ch, 3.5mm connector	1-ch, 3.5mm connector
Resolution	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	1	1	1
Frame Rate	1	1	1
Network 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	1	1	1
RS-485	1	1	1
Alarm Input/Output	4/4	4/4	4/4
Power	12 VDC	100~240VAC	100~240VAC

Network Video Recorder



Integrated PoE Switch

Model	DS-7604NI-SE/P	DS-7608NI-SE/8P	DS-7716NI-SP/16	NVR				
								
Video Compression	H.264	H.264	H.264	H.264	H.264	H.264	H.264	H.264
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 PoE Switch (80Mbps incoming Bandwidth)	16-ch IP (80 Mbps Bit Rate Input Max)	32-ch IP (160 Mbps Bit Rate Input Max)	64-ch IP (160 Mbps Bit Rate Input Max)	128-ch (320 mbps)	256-ch (640 mbps)
HDMI/VGA Output	1920x1080 (HDMI) 1920x1080 (VGA)	1920x1080 (HDMI) 1920x1080 (VGA)	1920x1080 (HDMI) 1920x1080 (VGA)	1920x1080 (HDMI) 1920x1080 (VGA)	1920x1080 (HDMI) 1920x1080 (VGA)	1920x1080 (HDMI) 1920x1080 (VGA)	6-ch resolution: 1920x1080p/60Hz, 1600x1200/60Hz, 1280x1024/60Hz, 1280x720/60Hz, 1024x768/60Hz	6-ch resolution: 1920x1080p/60Hz, 1600x1200/60Hz, 1280x1024/60Hz, 1280x720/60Hz, 1024x768/60Hz
Internal SATA	2 SATA interfaces (up to 4TB each)	2 SATA interfaces (up to 4TB each)	4 SATA interfaces (up to 4TB each)	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
USB	2	2	3	3	3	3	2	2
Alarm Input/Output	4/1	4/1	16/4	16/4	16/4	16/4	16/8	16/8
Power	100 ~ 240 VAC, 47 ~ 63 Hz, 3A (without HDD)	100 ~ 240 VAC, 47 ~ 63 Hz, 3A (without HDD)	100 ~ 240 VAC, 6.3 A, 50 ~ 60 Hz	100~240VAC, 50~60Hz, 6.3A, ≤45w	100~240VAC, 50~60Hz, 6.3A, ≤45w	100~240VAC, 50~60Hz, 6.3A, ≤45w	100~240 VAC, 6.3A, 50~60Hz	100~240 VAC, 6.3A, 50~60Hz

NVR - RAID

Model	DS-9632NI-RT	DS-9664NI-RT
		
Video Compression	H.264	H.264
IP Video Input	32-ch IP (160 Mbps Bit Rate Input Max)	64-ch IP (160 Mbps Bit Rate Input Max)
Array type	RAID0, RAID1, RAID5, RAID10	RAID0, RAID1, RAID5, RAID10
HDMI/VGA Output	1920x1080 (HDMI) 1920x1080 (VGA)	1920x1080 (HDMI) 1920x1080 (VGA)
Internal SATA	8 SATA interfaces (Enterprise Rated HDDs are required)	8 SATA interfaces
USB	3	3
Alarm Input/Output	16/4	16/4
Power	6.3A, 50~60Hz	6.3A, 50~60Hz

Hybrid DVR

Model	DS-9016HWI-ST
	
Video Compression	H.264
Video Input	Up to 32-ch camera (Analog + IP) 160Mbps incoming bandwidth
Audio Input/Output	16-ch / 2-ch
HDMI/VGA Output	1920x1080 (HDMI) 1920x1080 (VGA)
Internal SATA	8
USB	3
Alarm Input/Output	16/4
Power	100 ~ 240 VAC, 6.3 A, 50 ~ 60 Hz

WiFi NVR

Model	DS-7104NI-SL/W
	
Video Compression	H.264
Video Input	4-ch (20Mbps Input Max)
Audio Input/Output	1-ch
HDMI/VGA Output	1-ch, resolution: 1920x1080p/60Hz, 1600x1200/60Hz, 1280x1024/60Hz, 1280x720/60Hz, 1024x768/60Hz
Internal SATA	1
USB	2
Alarm Input/Output	
Power	12V DC

Networking Equipment

PoE Network 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: 0-50 Storage temperature: -40-70 Humidity: 0-90% no condensation		
Power Consumption	110-240VAC 170W Max.	110-240VAC 400W Max.	110-240VAC 400W Max.
Dimensions	340x250x44mm	442x315x44mm	442x315x44mm

Ethernet Over Coax

	DS-1H05-T	DS-1H05-R
Model		
Input Interface	RJ45 Interface& BNC	BNC
Output Interface	BNC	RJ45 Interface& BNC
Bandwidth	25 Mbps	25 Mbps
Distance	Up to 1,500 feet with RG6/U standard cable	Up to 1,500 feet with RG6/U standard cable
PSE	n/a	n/a
Consumption	Max 5W	Max 5W
Power Supply	DC 12V	DC 12V
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

Keyboard

	DS-1003KI	DS-1100KI
Model		
Control Mode	RS-485	Network
LCD Screen	5"x2.5"	7" TFT touch screen at 800x480 resolution
Joystick	3 - Axis	3 - Axis
Decoding Resolution	No	1920x1080P
USB	No	Yes
Netwok Interface	No	Yes
RS-485	Yes	Yes
Power	12 VDC (<10W)	12 VDC (<15W)

HDD

	HK-HDD500GB	HK-HDD1T	HK-HDD2T	HK-HDD3T	HK-HDD4T	Enterprise HDDs are required with our RAID NVRs			
Model									
Capacity	500GB	1T	2T	3T	4T	1T	2T	3T	4T
Interface	SATA	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	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	24/7 continuous
Power Management	Read/Write: 4.86W Idle: 2.82W	Read/Write: 3.70W Idle: 3.20W	Read/Write: 6.0W Idle: 3.70W	Read/Write: 6.0W Idle: 5.5W	Read/Write: 6.0W Idle: 5.5W	Read/Write: 8.6W Idle: 5.9W	Read/Write: 9W Idle: 6.4W	Read/Write: 10.9W Idle: 8.6W	Read/Write: 10.9W Idle: 8.6W

PTZ Brackets

Model	WMP-L	JBP	CPM-S	CPM-L	WMP-S	RPM	PMP	CMP	CHB	CHB-HBW	CHB-HB
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)

Camera Housing

Bracket Model Name Coding Rules:

WMP: Wall Mount PTZ
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 Short with Junction Box
WML: Camera Wall Mount Long with 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

Model	CPM	WMS	WML	PM	CM	RPM
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



Camera Bracket

DS-2CD7xx DS-2CD41xx	DS-2CD51xxN -VP(IR)(H)	DS-2CC51xxN -VF	DS-2CD72xx DS-2CD43xx	DS-2CC51D3S- VPIR DS-2CD21x2-I	DS-2CD25xxF- I(W)(S)	DS-2CC52xxN- AVPIR2 DS-2CD27xxF-I(S)	DS-2CC5X2N-IR DS-2CE55x2N- IRxx	DS-2CE55x2N- VFIR3	DS-2CE56x2N-IT3 DS-2CD23x2-I	DS-2CD6332 FWD-I(V)(S) DS-2CD6362F-I(V) (S)	DS-2CD22x2 -I5 DS-2CE15C2N- VFIR3	DS-2CE55x2N- VFIR3
PC130	PC140	PC130	PC160	PC110	PC120	PC135	PC110T	PC130T	PC130T	PC-FE	CB130	GP100
130mm Pendant Cap	140mm Cap	130mm Cap	Was : DS-1270ZJ-160 160mm Cap	Was: DS-1270ZJ-110 110mm Cap	Was: DS-1270ZJ-120 120mm Pendant Cap	135mm Cap	110TRS Cap	130TRL Cap	130TRL Cap	Pendant Cap for fisheye	Was: DS-1260ZJ Condit base	Was: DS-1244ZJ Single Gang Plate
RCM-1				AB110		RCM-1		CBT-1	ABT-1	AB-FE		
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)		Wire Intake Box	Inclined ceiling mount	Inclined ceiling mount for fisheye (Angled Base)		
AB135				CB110		AB135				CB-FE		
Inclined ceiling mount (also for DS-2CD7xx and DS-2CD41xx)				Was: DS-1280ZJ-DM18 Wire Intake Box		Inclined ceiling mount (also for DS-2CD7xx and DS-2CD41xx)				Wire Intake Box (Conduit Base) for fisheye		
				WM110		CB135						
				Was: DS-1258ZJ Plastic Wall Mount		Wire Intake Box same as DS-1280ZJ-DM20						

Available from A1 Security Cameras

iVMS Software Series

No Licensing Fees

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	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
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	

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	Compatible Devices    Android (1.6 or higher)** BlackBerry Bold (Not Shown) Windows Mobile (Not Shown) 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.
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 from active live stream window	

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.

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Model Name Coding Rules

Analog Camera Naming Rule										
	(1) DS-2	(2) C	(3) C	(4) 1	(5) 2	(6) A	(7) 2	(8) P	(9) IT3	
Analog Camera	Hikvision front-end products	Color	C: H series(project) E: E series(economic) S: S series(special)	1: Box/bullet 5: Dome	H series default: 1st generation 1: 2nd generation 2: 3rd generation E series 5: 1st generation 6: 2nd generation S series 8: 1st generation 9: 2nd generation	0: 420TVL 1: 480TVL 7: 540TVL 8: 600TVL 9: 650TVL A: 700TVL C: 720P D: 1080P	1: OSD(2D DNR) 2: DIP switch(box camera) 3: without DIP switch, without OSD(bullet camera) 3: OSD(3D DNR) 5: OSD, super low illumination 6: OSD, 1/2"CCD HLC box camera 7: OSD, WDR 8: OSD, 1/3"CCD HLC box camera	P: PAL system N: NTSC system	VFIR: vari-focal, IR range: 20-30m VPFR: vari-focal and vandal-proof, IR range: 20-30m H: heater VF: vari-focal VP: vandal-proof IR: IR range: 10-20m IRP: IR range: 10-20m(plastic) IR2: IR range: 20-30m IR3: IR range: 30-40m	
Example	DS-2CC12A2P-IT3			H series, 3rd generation, 700TVL EXIR bullet camera(without OSD, EXIR: 30-40m)						
	DS-2CE15A1P-VFIR3			E series, 1st generation, 700TVL IR bullet camera(OSD, vari-focal, EXIR: 30-40m)						
	DS-2CS5985P-VF			S series, 2nd generation, 600TVL analog dome camera(OSD, vari-focal)						
IP Camera Naming Rule										
	(1) DS-2	(2) C	(3) D	(4) 8	(5) 9	(6) 3	(7) P	(8) F	(9) E	
IP Camera	Hikvision front-end product	Color	IP camera	8: Box/bullet 81: 1st generation cube 82: New generation bullet 83: Thermal camera 84: 2nd cube 7: Dome camera 71: Mini dome 72: Outdoor dome	Old platform 0: 420TVL 1: 480TVL 9: 540TVL 3: 4CIF 6: 1.3MP 5: 2MP	New platform 3: VGA 6: 1.3MP 5: 2MP/3MP 7: 2MP 8: 5MP 9: 4CIF	Platform performance	P: PALsystem N: NTSC system Default: CMOS	F: SD/SDHC B: BNC output M: HDMI output WD: WDR	6441/6446(1st generation) E: PoE W: Wi-Fi D: AC24V and PoE H: heater FB: vandal-proof I: 10~20m IR1: 10~20m IR3: 30~40m IR5: 50~60m GE/GS/GW: support 3G
Example	DS-2CD864FWD-E			1.3 MP, WDR IP camera(365 platform, support PoE)						
	(1) DS-2	(2) C	(3) D	(4) 2	(5) 0	(6) 1	(7) 2	(8) F	(9) I	
New IP camera	Hikvision front-end product	Color	IP camera	2: Economic 4: Project 6: Special	Even: box/bullet Odd: dome	02:384x288/320x240(reserved) 04:VGA 06:4CIF 08:800x600 12:1MP,1280x960 14:1MP,1280x720 22:2MP,1600x1200 24:2MP,1920x1080		F: SD/SDHC	I: support IR Z: motorized lens H: heater W: support WIFI S: audio, alarm and 485 interface Note: new IPC support PoE by default	
Example	DS-2CD2012-I			New generation, economic, 1.3 MP IP camera(PoE, support IR)						
Example	DS-2ZCN2007			2MP resolution 20X optical zoom camera module						
Speed Dome Naming Rule										
	(1) DS-2	(2) A	(3) F	(4) 1	(5) —	(6) 7	(7) 1	(8) 5	(9) B	
1st generation	DS-2: Hikvision front-end product	A: analog/digital D: network	F: high speed M: medium speed	Reserved		4: 4 inch 5: 5 inch 6: 6 inch 7: IR	1: Standard definition outdoor 0: Standard definition indoor 3:Standard definition indoor in-ceiling 6: High resolution outdoor 60: High resolution indoor 63: High resolution indoor in-ceiling 7: 1.3 MP outdoor 70: 1.3 MP indoor 73: 1.3 MP indoor in-ceiling 8: 2 MP outdoor 80: 2 MP indoor 83: 2 MP indoor in-ceiling	Sony zoom camera module 1: 18X optical 3: 18X optical(standard definition) 3: 20X optical(High definition) 5: 28X optical 7: 36X optical Hikvision zoom camera module 2: 22X optical(standard definition) 2: 18X optical(high definition)	X: new generation H: support DS-9000 series NVR (for 4 inch and 6 inch network standard definition speed dome) M: support English menu and operation prompt; D: 3D DNR F: FC fiber interface S: SDI fiber interface	B: support WDR in Sony zoom camera module
Example	DS-2DF1-584D			1st generation 2 MP 20X Hikvision zoom camera module, 5 inch high definition, outdoor high speed dome(3D DNR)						
	DS-2AF1-715-B			1st generation standard definition 28X sony IR analog speed dome(WDR)						
	(1) DS-2	(2) D	(3) F	(4) 5	(5) 2	(6) 8	(7) 4	(8) P	(9) A3FLV	
2nd generation	DS-2: Hikvision front-end product ids-2 : Hikvision front-end intelligent product	A: analog/digital D: network	F: high speed M: medium speed	4: 4 inch 5: 5 inch 6: 6 inch 7: IR	2: 2nd generation	4: low resolution 5: standard definition 6: high resolution 7: 1.3 MP 8: 2 MP	Sony zoom camera module 1: 18X optical 3: 18X optical(standard definition) 3: 20X optical(high definition) 5: 28X optical 7: 36X optical Hikvision zoom camera module 2: 22X optical(standard definition) 2: 18X optical(high definition) 4: 23X optical(standard definition) 4: 20X optical(high definition) 6: 30X optical 8: 36X optical Hitachi zoom camera module A: 22X optical A: 18X optical(high definition) B: 23X optical C: 35X optical D: 18X optical E: 30X optical	Default: P/N system adaptive(high definition), PAL system(standard definition) N: NTSC system	First bit: A: AC24V D: DC12V E: Hi-POE Second bit: Default: outdoor installation 3: indoor installation(support ceiling and in-ceiling installation) Third bit: Default: RJ45 network interface or BNC standard definition interface C: CCVC F: fiber interface S: SDI interface Fourth bit: Default: normal L: start in low temperature	
Example	DS-2DF5284-A			2nd generation, 2 MP 20X Hikvision 5 inch high definition, 4 inch 28X sony IR analog speed dome(AC24V, PAL system adaptive, RJ45, outdoor speed dome)						

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