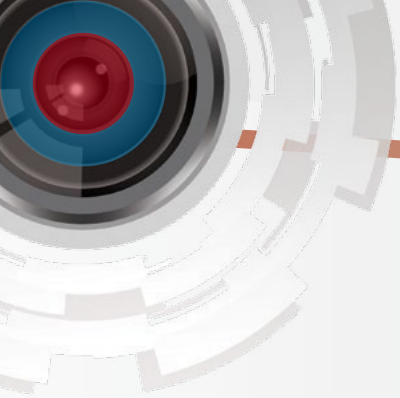


HIKVISION



HiWatch

V2013Q4

Product Quick Guide



PRO

First Choice for Security Professionals

Hikvision's Range of Products

Hikvision offers a complete range of analog and hybrid DVRs and professional NVRs that allow the seamless integration of Internet-based and networking technologies into video surveillance solutions. Hikvision's digital video recording platform is the ideal solution to create the most innovative CCTV architectures, both analog and IP-based. Our range of products is completed

by our IP camera series, which includes Box Cameras, Bullet Cameras, and Mini Domes for indoor and outdoor vandal-proof installation - all available both in standard (VGA, 4CIF) and megapixel resolution - as well as a range of IP-based and analog Speed Domes with advanced features such as the smart 3D PTZ controller and high-precision and high-performance mechanics.



Analog DVRs



Analog and Speed Dome Cameras



NVRs



Hybrid DVRs

iVMS-4200 Storage Server Application software for recording video streams onto your PC with redundant image data storage and effective scalability of analog and IP solutions.



IP Speed Dome Cameras



Mobile DVRs

iVMS-4200 iVMS-5200

Software client for the vertical management of the entire range of HIKVISION analog and IP products. Up to 256 devices (IP addresses), 4 monitor outputs, live and playback sessions, graphic maps with alert system, pop-up cameras, event logs, remote configuration and a multi-level user management.



Megapixel IP Cameras



Encoders & Decoders

iVMS-4500 Software client for centralized management on Android and iOS powered smartphones and tablets.



IP Cameras

Product Quick Guide Index

HiWatch

ANALOG DOME & TURRET CAMERAS	p. 2
ANALOG TURRET CAMERAS	p. 3
ANALOG BULLET CAMERAS	p. 4
ANALOG PTZ DOME CAMERAS	p. 5
DVRs	p. 6
IP CUBE & TURRET CAMERAS	p. 8
IP DOME CAMERAS	p. 9
IP BULLET CAMERAS	p. 10
IP MEGAPIXEL PTZ DOME CAMERAS	p. 11
NVRs	p. 12

HIKVISION

PRO

ANALOG 540/600TVL STANDARD CAMERAS	p. 14
ANALOG 700TVL PICADIS CAMERAS	p. 15
ANALOG DOME CAMERAS	p. 16
ANALOG IR DOME CAMERAS	p. 17
ANALOG BULLET CAMERAS	p. 19
ANALOG PTZ DOME CAMERAS	p. 21
DVRs	p. 24
IP CUBE & BOX CAMERAS	p. 26
IP DOME CAMERAS	p. 28
IP BULLET CAMERAS	p. 30
IP SMART PTZ DOME CAMERAS	p. 32
NVRs	p. 37
HYBRID DVRs	p. 38
ACCESSORIES	p. 39

Disclaimer.

Hikvision reserves the right to make changes to technical and design features of the products listed. All data and images contained in the catalogues are intended for information purposes only and may vary. Hikvision may not be held liable for any errors or omissions.

HiWatch

ANALOG DOME & TURRET CAMERAS

	DS-2CE5582P	DS-2CE55C2P	DS-2CE5582P-VF	DS-2CE5582P-IRP	DS-2CE55C2P-IRP
Model					
Image Sensor	1/3" DIS	1/3" PICADIS (1.3MP)	1/3" DIS	1/3" DIS	1/3" PICADIS (1.3MP)
Effective Pixels	720 (H) x 480 (V)	1280 (H) x 960 (V)	720 (H) x 480 (V)	720 (H) x 480 (V)	1280 (H) x 960 (V)
Horizontal Resolution	600 TVL	720 TVL	600 TVL	600 TVL	720 TVL
Signal System	PAL	PAL	PAL	PAL	PAL
Min. Illumination	0.1 Lux @ F1.2, AGC ON	0.1 Lux @ F1.2, AGC ON	0.1 Lux @ F1.2, AGC ON 0.14 Lux @ F1.4, AGC ON	0.1 Lux @ F1.2, AGC ON, 0 Lux with IR	0.1 Lux @ F1.2, AGC ON, 0 Lux with IR
Lens	3.6 mm	3.6 mm	3.6 mm	3.6 mm	3.6 mm
Horizontal Viewing Angle	68.4° (3.6 mm)	71.4° (3.6 mm)	80° - 27.2° (3.6 mm)	68.4° (3.6 mm)	73.1° (3.6 mm)
Day/Night	Electronic	Electronic	Electronic	ICR	ICR
IR Distance	-	-	-	20m	20m
S/N Ratio	> 52 dB	> 62 dB	> 52 dB	> 52 dB	> 62 dB
Features	-	HDR	-	-	HDR, Smart IR
Synchronization	Internal synchronization	Internal synchronization	Internal synchronization	Internal synchronization	Internal synchronization
OSD Menu	N/A	N/A	N/A	N/A	N/A
Operating Temperature	-40°C - 60°C	-40°C - 60°C	-40°C - 60°C	-40°C - 60°C	-40°C - 60°C
Power Supply	12 VDC +/- 10%	12 VDC +/- 10%	12 VDC +/- 10%	12 VDC +/- 10%	12 VDC +/- 10%
Power Consumption	Max.1 W	Max.1 W	Max.1 W	Max.2 W Max. 5 W with ICR ON	Max.1.5 W Max. 4.5 W with ICR ON

HiWatch
ANALOG
CAMERAS

HiWatch
ANALOG
PTZ

HiWatch
DVR

HiWatch
IP
CAMERAS

HiWatch
IP
PTZ

HiWatch
NVR

ANALOG TURRET CAMERAS

Model	DS-2CE5582P-IRM	DS-2CE55C2P-IRM	DS-2CE5582P-VFIR3	DS-2CE55C2P-VFIR3	DS-2CE56C2P-IT3
Image Sensor	1/3" DIS	1/3" PICADIS (1.3MP)	1/3" DIS	1/3" PICADIS (1.3MP)	1/3" PICADIS (1.3MP)
Effective Pixels	720 (H) x 480 (V)	1280 (H) x 960 (V)	720 (H) x 480 (V)	1280 (H) x 960 (V)	1280 (H) x 960 (V)
Horizontal Resolution	600 TVL	720 TVL	600 TVL	720 TVL	720 TVL
Signal System	PAL	PAL	PAL	PAL	PAL
Min. Illumination	0.1Lux@ F1.2,AGC ON, 0 Lux with IR	0.1 Lux @ F1.2,AGC ON, 0 Lux with IR	0.1 Lux @ F1.2, AGC ON 0.14 Lux @ F1.4, AGC ON, 0 Lux with IR	0.1 Lux @ F1.2, AGC ON 0.14 Lux @ F1.4, AGC ON, 0 Lux with IR	0.1 Lux @ F1.2,AGC ON, 0 Lux with IR
Lens	3.6 mm	3.6 mm	2.8 - 12 mm @F1.4	2.8 - 12 mm @F1.4	12 mm
Horizontal Viewing Angle	68.4° (3.6 mm)	71.4° (3.6 mm)	80°- 27.2°	80°- 27.2°	22.72° (12 mm)
Day/Night	ICR	ICR	ICR	ICR	ICR
IR Distance	20m	20m	40m	40m	40m
S/N Ratio	> 52 dB	> 62 dB	> 52 dB	> 62 dB	> 62 dB
Features	IP66	IP66, HDR, Smart IR	IP66	IP66, HDR, Smart IR	IP66, HDR, Smart IR
Synchronization	Internal synchronization	Internal synchronization	Internal synchronization	Internal synchronization	Internal synchronization
OSD Menu	N/A	N/A	N/A	N/A	N/A
Operating Temperature	-40°C - 60°C	-40°C - 60°C	-40°C - 60°C	-40°C - 60°C	-40°C - 60°C
Power Supply	12 VDC +/- 10%	12 VDC +/- 10%	12 VDC +/- 10%	12 VDC +/- 10%	12 VDC +/- 10%
Power Consumption	Max.2 W Max. 5 W with ICR ON	Max.1.5 W Max. 4.5 W with ICR ON	Max. 4W Max. 5W with ICR ON	Max. 4 W Max. 5 W with IR cut filter ON	Max.5 W

HiWatch
ANALOG
CAMERAS

HiWatch
ANALOG
PTZ

HiWatch
DVR

HiWatch
IP
CAMERAS

HiWatch
IP
PTZ

HiWatch
NVR

HiWatch
ANALOG
CAMERAS


HiWatch
ANALOG
PTZ

HiWatch
DVR

HiWatch
IP
CAMERAS

HiWatch
IP
PTZ

HiWatch
NVR

	DS-2CE1582P-IR	DS-2CE15C2P-IR	DS-2CE1582P-VFIR3	DS-2CE15C2P-VFIR3	DS-2CE16C2P-IT3
Model					
Image Sensor	1/3" DIS	1/3" PICADIS (1.3MP)	1/3" DIS	1/3" PICADIS (1.3MP)	1/3" PICADIS (1.3MP)
Effective Pixels	720 (H) x 480 (V)	1280 (H) x 960 (V)	720 (H) x 480 (V)	1280 (H) x 960 (V)	1280 (H) x 960 (V)
Horizontal Resolution	600 TVL	720 TVL	600 TVL	720 TVL	720 TVL
Signal System	PAL	PAL	PAL	PAL	PAL
Min. Illumination	0.1Lux@ F1.2,AGC ON, 0 Lux with IR	0.1 Lux @ F1.2,AGC ON, 0 Lux with IR	0.1 Lux @ F1.2, AGC ON 0.14 Lux @ F1.4, AGC ON, 0 Lux with IR	0.1 Lux @ F1.2, AGC ON 0.14 Lux @ F1.4, AGC ON, 0 Lux with IR	0.1 Lux @ F1.2,AGC ON, 0 Lux with IR
Lens	3.6 mm	3.6 mm	2.8 - 12 mm @F1.4	2.8 - 12 mm @F1.4	12 mm
Horizontal Viewing Angle	68.4° (3.6 mm)	71.4° (3.6 mm)	80°- 27.2°	80°- 27.2°	-
Day/Night	ICR	ICR	ICR	ICR	ICR
IR Distance	20m	20m	40m	40m	40m
S/N Ratio	> 52 dB	> 62 dB	> 52 dB	> 62 dB	> 62 dB
Features	IP66	IP66, HDR, Smart IR	IP66	IP66, HDR, Smart IR	IP66, HDR, Smart IR
Synchronization	Internal synchronization	Internal synchronization	Internal synchronization	Internal synchronization	Internal synchronization
OSD Menu	N/A	N/A	N/A	N/A	N/A
Operating Temperature	-40°C - 60°C	-40°C - 60°C	-40°C - 60°C	-40°C - 60°C	-40°C - 60°C
Power Supply	12 VDC +/- 10%	12 VDC +/- 10%	12 VDC +/- 10%	12 VDC +/- 10%	12 VDC +/- 10%
Power Consumption	Max. 2W Max.5W with ICR ON	Max.1.5 W Max. 4.5 W with ICR ON	Max. 4W Max. 5W with ICR ON	Max. 4 W Max. 5 W with IR cut filter ON	Max.5 W

ANALOG PTZ DOME CAMERAS

	DS-2AE5154-A3	DS-2AE5154-A	DS-2AE714	DS-2AE7154-A	DS-2AE7164-A
Model					
Image Sensor	1/4" Sony CCD	1/4" Sony CCD	1/4" Sony CCD	1/4" Sony CCD	1/3" Sony CCD
Resolution	Color: 540TVL B/W: 600TVL	Color: 540TVL B/W: 600TVL	Color: 540TVL B/W: 600TVL	Color: 540TVL B/W: 600TVL	Color: 700TVL B/W: 750TVL
Optical Zoom	23x	23x	23x	23x	23x
Digital Zoom	16x	16x	16x	16x	16x
IR Distance	-	-	80m	100m	100m
Wide Dynamic Range	Digital WDR	Digital WDR	Digital WDR	Digital WDR	Digital WDR
Digital Noise Reduction	3D DNR	3D DNR	3D DNR	3D DNR	3D DNR
Day & Night	ICR	ICR	ICR	ICR	ICR
Privacy Masking	max 8 zones	max 8 zones	max 8 zones	max 8 zones	max 8 zones
Smart Tracking	-	-	-	-	-
Pan Speed	Manual Speed: 0.1° - 250°/s Preset Speed: 300°/s	Manual Speed: 0.1° - 250°/s Preset Speed: 300°/s	Manual Speed: 0.1° - 120°/s Preset Speed: 150°/s	Manual Speed: 0.1° - 160°/s Preset Speed: 240°/s	Manual Speed: 0.1° - 160°/s Preset Speed: 240°/s
Tilt Speed	Manual Speed: 0.1° - 150°/s Preset Speed: 200°/s	Manual Speed: 0.1° - 150°/s Preset Speed: 200°/s	Manual Speed: 0.1° - 60°/s Preset Speed: 90°/s	Manual Speed: 0.1° - 120°/s Preset Speed: 200°/s	Manual Speed: 0.1° - 120°/s Preset Speed: 200°/s
Pan Range	360° endless	360° endless	360° endless	360° endless	360° endless
Tilt Range	-5° - 90° (Auto Flip)	-5° - 90° (Auto Flip)	0° - 90° (Auto Flip)	-15° - 90° (Auto Flip)	-15° - 90° (Auto Flip)
Ptzt Position Display	-	-	-	-	-
Alarm Input/Output	-	-	-	-	-
Power Supply	24VAC	24VAC	24VAC	24VAC	24VAC
Features	-	IP66 Weatherproof	IP66 Weatherproof	IP66 Weatherproof	IP66 Weatherproof
Operating Temperature	-10°C - 50°C	-30°C - 65°C	-30°C - 65°C	-30°C - 65°C	-30°C - 65°C

HiWatch
ANALOG
CAMERAS

HiWatch
ANALOG
PTZ

HiWatch
DVR

HiWatch
IP
CAMERAS

HiWatch
IP
PTZ

HiWatch
NVR

	DS-7204HFI-SH	DS-7208HVI-SH/A	DS-7216HVI-SH/A	DS-7208HVI-SV/A	DS-7216HVI-SV/A
Model					
Video Input	4 channel	8 channel	16 channel	8 channel	16 channel
Video Compression	H.264	H.264	H.264	H.264	H.264
Audio Compression	G.711	G.711	G.711	G.711	G.711
Video Output	1-ch HDMI, 1-ch VGA, 1-ch BNC	1-ch HDMI, 1-ch VGA, 1-ch BNC	1-ch HDMI, 1-ch VGA, 1-ch BNC	1-ch HDMI, 1-ch VGA, 1-ch BNC	1-ch HDMI, 1-ch VGA, 1-ch BNC
Audio Input/Output	1/1	4/1	4/1	4/1	4/1
Two-way Audio	1-ch	1-ch	1-ch	1-ch	1-ch
Real-Time Recording Resolution	4CIF/2CIF/CIF	4CIF@8 fps per channel, CIF@25 fps per channel	4CIF@6 fps per channel, CIF@25 fps per channel	WDI@15 fps per channel, CIF@25 fps per channel	WDI@8 fps per channel, CIF@25 fps per channel
HDMI Output Resolution	Up to 1920x1080/60 Hz	Up to 1920x1080/60 Hz	Up to 1920x1080/60 Hz	Up to 1920x1080/60 Hz	Up to 1920x1080/60 Hz
VGA Output Resolution	Up to 1920x1080/60 Hz	Up to 1920x1080/60 Hz	Up to 1920x1080/60 Hz	Up to 1920x1080/60 Hz	Up to 1920x1080/60 Hz
Video Loop Out	-	-	-	-	-
Synchronous Playback	4-ch	8-ch	16-ch	8-ch	16-ch
RAID	-	-	-	-	-
Alarm Input/Output	-	4/1	4/1	4/1	4/1
Network Interface	1, RJ45 10M/100M adaptive Ethernet interface	1, RJ45 10M/100M adaptive Ethernet interface	1, RJ45 10M/100M adaptive Ethernet interface	1, RJ45 10M/100M adaptive Ethernet interface	1, RJ45 10M/100M adaptive Ethernet interface
HDD Interface	1 SATA interface	1 SATA interface	1 SATA interface	1 SATA interface	1 SATA interface
eSATA	-	-	-	-	-
USB Interface	2, USB 2.0	2, USB 2.0	2, USB 2.0	2, USB 2.0	2, USB 2.0
Chassis	Stand-alone 1U	Stand-alone 1U	Stand-alone 1U	Stand-alone 1U	Stand-alone 1U
Power Supply	12VDC	12 VDC	12 VDC	12VDC	12VDC

HiWatch
ANALOG
CAMERAS

HiWatch
ANALOG
PTZ

HiWatch
DVR

HiWatch
IP
CAMERAS

HiWatch
IP
PTZ







HiWatch
NVR

Model	DS-7204HFI-SH/A	DS-7208HFI-SH/A	DS-7216HFI-SH/A	DS-7204HWI-SH/A	DS-7208HWI-SH/A	DS-7216HWI-SH/A
Video Input	4 channel	8 channel	16 channel	4 channel	8 channel	16 channel
Video Compression	H.264	H.264	H.264	H.264	H.264	H.264
Audio Compression	G.711	G.711	G.711	G.711	G.711	G.711
Video Output	1-ch HDMI, 1-ch VGA, 1-ch BNC	1-ch HDMI, 1-ch VGA, 1-ch BNC	1-ch HDMI, 1-ch VGA, 1-ch BNC	1-ch HDMI, 1-ch VGA, 1-ch BNC	1-ch HDMI, 1-ch VGA, 1-ch BNC	1-ch HDMI, 1-ch VGA, 1-ch BNC
Audio Input/Output	4/1	4/1	4/1	4/1	4/1	4/1
Two-way Audio	1-ch	1-ch	1-ch	1-ch	1-ch	1-ch
Real-Time Recording Resolution	4CIF/2CIF/CIF	4CIF/2CIF/CIF	4CIF/2CIF/CIF	WD1/4CIF/2CIF/CIF	WD1/4CIF/2CIF/CIF	WD1/4CIF/2CIF/CIF
HDMI Output Resolution	Up to 1920x1080/60 Hz	Up to 1920x1080/60 Hz	Up to 1920x1080/60 Hz	Up to 1920x1080/60 Hz	Up to 1920x1080/60 Hz	Up to 1920x1080/60 Hz
VGA Output Resolution	Up to 1920x1080/60 Hz	Up to 1920x1080/60 Hz	Up to 1920x1080/60 Hz	Up to 1920x1080/60 Hz	Up to 1920x1080/60 Hz	Up to 1920x1080/60 Hz
Video Loop Out	-	-	-	-	-	-
Synchronous Playback	4-ch	8-ch	16-ch	4-ch	8-ch	16-ch
RAID	-	-	-	-	-	-
Alarm Input/Output	4/1	8/4	16/4	4/1	8/4	16/4
Network Interface	1, RJ45 10M/100M adaptive Ethernet interface	1, RJ45 10M/100M adaptive Ethernet interface	1, RJ45 10M/100M adaptive Ethernet interface	1, RJ45 10M/100M adaptive Ethernet interface	1, RJ45 10M/100M adaptive Ethernet interface	1, RJ45 10M/100M adaptive Ethernet interface
HDD Interface	1 SATA interface	2 SATA interface	2 SATA interface	1 SATA interface	2 SATA interface	2 SATA interface
eSATA	-	-	-	-	-	-
USB Interface	2, USB 2.0	2, USB 2.0	2, USB 2.0	2, USB 2.0	2, USB 2.0	2, USB 2.0
Chassis	Stand-alone 1U	19-ich rack-mounted 1U	19-ich rack-mounted 1U	Stand-alone 1U	19-ich rack-mounted 1U	19-ich rack-mounted 1U
Power Supply	12VDC	12VDC	12VDC	12VDC	12VDC	12VDC

- HiWatch ANALOG CAMERAS
- HiWatch ANALOG PTZ
- HiWatch DVR
- HiWatch IP CAMERAS
- HiWatch IP PTZ
- HiWatch NVR

HiWatch

IP CUBE & TURRET CAMERAS

	DS-2CD8133F-E	DS-2CD8153F-E	DS-2CD2412F-IW	DS-2CD2432F-IW	DS-2CD2312-I	DS-2CD2332-I
Model						
Description	VGA	2MP	1.3MP (with WiFi and PoE)	3MP & Full HD (with WiFi and PoE)	1.3MP & EXIR	3MP & Full HD & EXIR
Image Sensor	1/4" Progressive CMOS	1/3" Progressive CMOS	1/3" Progressive Scan CMOS	1/3" Progressive Scan CMOS	1/3" Progressive CMOS	1/3" Progressive CMOS
Min. Illumination	0.01 Lux @ F1.2, AGC ON 0.02 Lux @ F1.8, AGC ON	0.5 Lux @ F1.2, AGC ON, 0.1 Lux @ F1.2, AGC ON, sens-up x 5 11 Lux @ F1.8, AGC ON, 0.2 Lux @ F1.8, AGC ON, sens-up x 5	0.01 Lux @ F1.2, AGC ON 0 Lux with IR	0.07 Lux @ F1.2, AGC ON 0 Lux with IR	0.01Lux @ F1.2, AGC ON 0 Lux with IR	0.07Lux @ F1.2, AGC ON 0 Lux with IR
Lens	4 mm @ F1.8 Angle of view: 52°	4 mm @ F1.8 Angle of view: 68°	4 mm @ F2.0 Angle of view: 75.8°	4 mm @ F2.0 Angle of view: 75.8°	4mm@F2.0, angle of view: 75.8°	4mm@F2.0, angle of view: 75.8°
Day & Night	Electronic	Electronic	ICR	ICR	ICR	ICR
Video Compression	H.264/MPEG4/MJPEG	H.264/MPEG4/MJPEG	H.264/MJPEG	H.264/MJPEG	H.264/MJPEG	H.264/MPEG4/MJPEG
Max. ImageResolution	640 x 480	1600 x 1200	1280 x 960	2048 x 1536	1280 x 960	2048 x 1536
Frame Rate (50 Hz)	25 fps (640 x 480)	12.5 fps (1600 x 1200) 12.5 fps (1600 x 912), 25 fps (1280 x 960), 25 fps (1280 x 720)	25 fps (1280 x 960) 25 fps (1280 x 720)	12.5 fps (2048 x 1536) 25 fps (1920 x 1080) 25 fps (1280 x 720)	25 fps (1280 x 960), 25 fps (1280 x 720)	12.5 fps (2048 x 1536), 25 fps (1920 x 1080), 25 fps (1280 x 720)
Power over Ethernet	Yes	Yes	Yes	Yes	Yes	Yes
On-board Storage	Support	Support	Support, up to 64GB	Support, up to 64GB	-	-
Audio Input/output	MIC & Speaker	MIC & Speaker	MIC & Speaker	MIC & Speaker	-	I-
Alarm Input/output	-	-	Yes	Yes	-	-
Motion Detection	-	-	-	-	Yes	Yes
Weather-proof	-	-	-	-	IP66	IP66
IR Range	-	-	Up to 10 m	Up to 10 m	Up to 30 m	Up to 30 m
Other Features	-	-	PIR, Wi-Fi, 12VDC or PoE, DWDR & 3D DNR & BLC	PIR, Wi-Fi, 12VDC or PoE, DWDR & 3D DNR & BLC	3D DNR & DWDR & BLC	3D DNR & DWDR & BLC

HiWatch
ANALOG
CAMERAS








HiWatch
ANALOG
PTZ

HiWatch
DVR

HiWatch
IP
CAMERAS

HiWatch
IP
PTZ

HiWatch
NVR

	DS-2CD7133-E	DS-2CD7164-E	DS-2CD7153-E	DS-2CD2112-I	DS-2CD2132-I	DS-2CD2712F-I	DS-2CD2732F-I
Model							
Description	VGA	1.3MP	2MP	1.3MP	3MP & Full HD	1.3MP	3MP & Full HD
Image Sensor	1/4" Progressive CMOS	1/3" Progressive CMOS	1/3" Progressive CMOS	1/3" Progressive CMOS	1/3" Progressive CMOS	1/3" Progressive Scan CMOS	1/3" Progressive Scan CMOS
Min. Illumination	0.01Lux @ F1.2, AGC ON 0.02Lux @ F1.8, AGC ON	0.01Lux @ F1.2, AGC ON 0.02Lux @ F1.8, AGC ON	0.5 Lux @ F1.2, AGC ON 0.1 Lux @ F1.2, AGC ON, sens-up x 5 1.1 Lux @ F1.8, AGC ON, 0.2 Lux @ F1.8, AGC ON, sens-up x 5	0.01Lux @ F1.2, AGC ON 0 Lux with IR	0.07Lux @ F1.2, AGC ON 0 Lux with IR	0.01 Lux @ F1.2, AGC ON 0 Lux with IR	0.7 Lux @ F1.2, AGC ON 0 Lux with IR
Lens	4 mm @ F1.8 Angle of view: 52°	4 mm @ F2.0 Angle of view: 68°	4 mm @ F1.8 Angle of view: 68°	4mm@F2.0, angle of view: 75.8°	4mm @F2.0, angle of view: 75.8°	2.8-12mm @F1.4 Angle of view: 80°-28.7°	2.8-12mm @F1.4 Angle of view: 98°-30.5°
Day & Night	Electronic	Electronic	Electronic	ICR	ICR	ICR	ICR
Video Compression	H.264/MPEG4/MJPEG	H.264/MPEG4/MJPEG	H.264/MPEG4/MJPEG	H.264/MJPEG	H.264/MJPEG	H.264/MJPEG	H.264/MJPEG
Max. Image Resolution	640 x 480	1280 x 960	1600 x 1200	1280 x 960	2048 x 1536	1280 x 960	2048 x 1536
Frame Rate (50 Hz)	25 fps (640 x 480)	25 fps (1280 x 960), 25 fps (1280 x 720)	12.5 fps (1600 x 1200) 12.5 fps (1600 x 912), 25 fps (1280 x 960), 25 fps (1280 x 720)	25 fps (1280 x 960), 25 fps (1280 x 720)	12.5 fps (2048 x 1536), 25 fps (1920 x 1080), 25 fps (1280 x 720)	25 fps (1280 x 960), 25 fps (1280 x 720)	12.5 fps (2048 x 1536), 25 fps (1920 x 1080), 25 fps (1280 x 720)
Power over Ethernet	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Motion Detection	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Vandal-proof	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Weather-proof	-	-	-	IP66	IP66	IP66	IP66
SD Card	-	-	-	-	-	Support, up to 64GB	Support, up to 64GB
Audio Input/Output	-	-	-	-	-	-	-
IR Range	-	-	-	Up to 30m	Up to 30m	Up to 30m	Up to 30m
Other Features	3-axis adjustment	3-axis adjustment	3-axis adjustment	3D DNR & DWDR & BLC	3D DNR & DWDR & BLC	Vandal-proof, DWDR & 3D DNR & BLC	Vandal-proof, DWDR & 3D DNR & BLC

HiWatch
ANALOG
CAMERAS

HiWatch
ANALOG
PTZ

HiWatch
DVR



HiWatch
IP
CAMERAS

HiWatch
IP
PTZ

HiWatch
NVR

HiWatch

IP BULLET CAMERAS

	DS-2CD2012-I	DS-2CD2032-I	DS-2CD2212-I5	DS-2CD2232-I5	DS-2CD2612F-I	DS-2CD2632F-I
Model						
Description	1.3MP	3MP & Full HD	1.3MP & EXIR	3MP & Full HD & EXIR	1.3MP	3MP & Full HD
Image Sensor	1/3" Progressive CMOS	1/3" Progressive CMOS	1/3" Progressive CMOS	1/3" Progressive CMOS	1/3" Progressive Scan CMOS	1/3" Progressive Scan CMOS
Min. Illumination	0.01 Lux @F1.2, AGC ON 0 Lux with IR	0.07 Lux @F1.2, AGC ON 0 Lux with IR	0.01Lux @F1.2,AGC ON 0 Lux with IR	0.07Lux @F1.2, AGC ON 0 Lux with IR	0.01 Lux @ F1.2, AGC ON 0 Lux with IR	0.07 Lux @ F1.2, AGC ON 0 Lux with IR
Lens	4mm @F2.0 Angle of view: 69.4°	4mm @F2.0 Angle of view: 75.8°	4mm @F2.0 Angle of view: 75.8°	4mm @F2.0 Angle of view: 75.8°	2.8-12mm @F1.4 Angle of view: 80°-28.7°	2.8-12mm @F1.4 Angle of view: 98°-30.5°
Day & Night	ICR	ICR	ICR	ICR	ICR	ICR
Video Compression	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	2048 x 1536
Frame Rate (50 Hz)	25 fps (1280 x 960), 25 fps (1280 x 720)	12.5 fps (2048 x 1536), 25 fps (1920 x 1080), 25 fps (1280 x 720)	25 fps (1280 x 960), 25 fps (1280 x 720)	12.5 fps (2048 x 1536), 25 fps (1920 x 1080), 25 fps (1280 x 720)	25 fps (1280 x 960), 25 fps (1280 x 720)	12.5 fps (2048 x 1536), 25 fps (1920 x 1080), 25 fps (1280 x 720)
Power over Ethernet	Yes	Yes	Yes	Yes	Yes	Yes
Motion Detection	Yes	Yes	Yes	Yes	Yes	Yes
Vandal-proof	-	-	-	-	-	-
Weather-proof	IP66	IP66	IP66	IP66	IP66	IP66
IR Range	Up to 30m	Up to 30m	Up to 50m	Up to 50m	Up to 30m	Up to 30m
Imaging Features	3D DNR & DWDR & BLC	3D DNR & DWDR & BLC	3D DNR & DWDR & BLC	3D DNR & DWDR & BLC	DWDR & 3D DNR & BLC Support, up to 64GB	DWDR & 3D DNR & BLC Support, up to 64GB

HiWatch
ANALOG
CAMERAS

HiWatch
ANALOG
PTZ





HiWatch
DVR

HiWatch
IP
CAMERAS

HiWatch
IP
PTZ

HiWatch
NVR

IP MEGAPIXEL PTZ DOME CAMERAS

	DS-2DE5184-A3	DS-2DE5184-A	DS-2DE7174-A	DS-2DE7184-A
Model				
Image Sensor	1/2.8" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS	1/3" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS
Effective Pixels	2230K pixels	2230K pixels	1320K pixels	2230K pixels
Max Resolution	1920x1080	1920x1080	1280x960	1920x1080
Frame Rate	50Hz: 25 fps (1920x1080)	50Hz: 25 fps (1920x1080)	50Hz: 25 fps (1280x960)	50Hz: 25 fps (1920x1080)
Optical/Digital Zoom	20x / 12x	20x / 12x	20x / 12x	20x / 12x
IR Distance	-	-	100m	100m
Wide Dynamic Range	Digital WDR	Digital WDR	Digital WDR	Digital WDR
Digital Noise Reduction	3D DNR	3D DNR	3D DNR	3D DNR
Backlight Compensation	BLC	BLC	BLC	BLC
Day & Night	ICR	ICR	ICR	ICR
Smart Tracking	-	-	-	-
Defog	-	-	-	-
Highlight Compensation	-	-	-	-
Smart IR	-	-	-	-
Pan Speed	Manual Speed: 0.1° - 250°/s Preset Speed: 300°/s	Manual Speed: 0.1° - 250°/s Preset Speed: 300°/s	Manual Speed: 0.1° - 160°/s Preset Speed: 240°/s	Manual Speed: 0.1° - 160°/s Preset Speed: 240°/s
Tilt Speed	Manual Speed: 0.1° - 150°/s Preset Speed: 200°/s	Manual Speed: 0.1° - 150°/s Preset Speed: 200°/s	Manual Speed: 0.1° - 120°/s Preset Speed: 200°/s	Manual Speed: 0.1° - 120°/s Preset Speed: 200°/s
Pan Range	360° endless	360° endless	360° endless	360° endless
Tilt Range	-5° - 90° (Auto Flip)	-5° - 90° (Auto Flip)	-15° - 90° (Auto Flip)	-15° - 90° (Auto Flip)
Ptz Position Display	-	-	-	-
Alarm Input/Output	-	-	-	-
Simultaneous Live View	6	6	6	6
Streams Number	2	2	2	2
Users Number	32	32	32	32
Power Supply	24VAC	24VAC	24VAC	24VAC
Operating Temperature	-10°C - 50°C	-30°C - 65°C	-30°C - 65°C	-30°C - 65°C

HiWatch
ANALOG
CAMERAS

HiWatch
ANALOG
PTZ

HiWatch
DVR

HiWatch
IP
CAMERAS

HiWatch
IP
PTZ

HiWatch
NVR

HiWatch

NVRs

	DS-7604NI-SE	DS-7608NI-SE	DS-7604NI-SE/P	DS-7608NI-SE/P/8
Model				
IP Video Input	Up to 4-ch, (20Mbps Input Max)	Up to 8-ch, (40Mbps Input Max)	Up to 4-ch, (20Mbps Input Max)	Up to 8-ch, (40Mbps Input Max)
Video Compression	-	-	-	-
Audio Compression	-	-	-	-
Video Output	1-ch HDMI, 1-ch VGA, 1-ch BNC	1-ch HDMI, 1-ch VGA, 1-ch BNC	1-ch HDMI, 1-ch VGA, 1-ch BNC	1-ch HDMI, 1-ch VGA, 1-ch BNC
Audio Input/Output	-/1	-/1	-/1	-/1
Two-way Audio	1-ch	1-ch	1-ch	1-ch
Real-time Recording Resolution	Up to 5 Megapixels	Up to 5 Megapixels	Up to 5 Megapixels	Up to 5 Megapixels
HDMI Output Resolution	Up to 1080P	Up to 1080P	Up to 1080P	Up to 1080P
VGA Output Resolution	Up to 1080P	Up to 1080P	Up to 1080P	Up to 1080P
RAID	-	-	-	-
Synchronous Playback	4-ch	8-ch	4-ch	8-ch
Alarm Input/Output	-	-	-	-
Network Interface	1, RJ45 10M/100M/1000M adaptive Ethernet interface	1, RJ45 10M/100M/1000M adaptive Ethernet interface	1, RJ45 10M/100M/1000M adaptive Ethernet interface	1, RJ45 10M/100M/1000M adaptive Ethernet interface
PoE Network Interfaces/ Built-in Switch	-	-	4 independent 100 Mbps PoE network interfaces	8 independent 100 Mbps PoE network interfaces
HDD Interface	1 SATA interfaces	2 SATA interfaces	2 SATA interfaces	2 SATA interfaces
eSATA	-	-	-	-
USB Interface	2, USB2.0	2, USB2.0	2, USB2.0	2, USB2.0
Chassis	Stand-alone 1U	19-inch rack-mounted 1U	19-inch rack-mounted 1U	19-inch rack-mounted 1U
Power Supply	DC12V	DC12V	DC12V	DC12V

HiWatch
ANALOG
CAMERAS

HiWatch
ANALOG
PTZ

HiWatch
DVR





HiWatch
IP
CAMERAS

HiWatch
IP
PTZ

HiWatch
NVR

HiWatch

NVRs

	DS-7616NI-ST	DS-7604NI-VP	DS-7608NI-V	DS-7616NI-V
Model				
IP Video Input	Up to 16-ch, (80Mbps Input Max)	Up to 4-ch, (20Mbps Input Max)	Up to 8-ch, (40Mbps Input Max)	Up to 16-ch, (800Mbps Input Max)
Video Compression	-	-	-	-
Audio Compression	-	-	-	-
Video Output	1-ch HDMI, 1-ch VGA, 1-ch BNC	1-ch HDMI, 1-ch VGA	1-ch HDMI, 1-ch VGA	1-ch HDMI, 1-ch VGA
Audio Input/Output	-/1	-/1	-/1	-/1
Two-way Audio	1-ch	1-ch	1-ch	1-ch
Real-time Recording Resolution	Up to 5 Megapixels	Up to 5 Megapixels	Up to 5 Megapixels	Up to 5 Megapixels
HDMI Output Resolution	Up to 1080P	Up to 1080P	Up to 1080P	Up to 1080P
VGA Output Resolution	Up to 1080P	Up to 1080P	Up to 1080P	Up to 1080P
RAID	-	-	-	-
Synchronous Playback	16-ch	4-ch	8-ch	8-ch
Alarm Input/Output	4/2	-	-	-
Network Interface	1, RJ45 10M/100M/1000M adaptive Ethernet interface	1, RJ45 10M/100M/1000M adaptive Ethernet interface	1, RJ45 10M/100M/1000M adaptive Ethernet interface	1, RJ45 10M/100M/1000M adaptive Ethernet interface
PoE Network Interfaces/ Built-in Switch	--	4 independent 100 Mbps PoE network interfaces	--	--
HDD Interface	2 SATA interfaces	2 SATA interfaces	2 SATA interfaces	2 SATA interfaces
eSATA	-	-	-	-
USB Interface	3, USB2.0	2, USB2.0	2, USB2.0	2, USB2.0
Chassis	19-inch rack-mounted 1U	Desktop	Desktop	Desktop
Power Supply	DC12V	100 - 240 VAC	100 - 240 VAC	100 - 240 VAC

HiWatch
ANALOG
CAMERAS

HiWatch
ANALOG
PTZ

HiWatch
DVR

HiWatch
IP
CAMERAS

HiWatch
IP
PTZ

HiWatch
NVR

PRO ANALOG 540/600TVL STANDARD CAMERAS

	DS-2CC1172P-A	DS-2CC1181P-A	DS-2CC1183P-C	DS-2CC1187P-A	DS-2CC1187P-C
Model					
Image Sensor	1/3" SONY CCD	1/3" SONY CCD	1/3" SONY Super HAD CCD II	1/3" SONY vertical double density interline CCD	1/3" SONY vertical double density interline CCD
Effective Pixels	PAL: 752 (H) x 582 (V)	PAL: 752 (H) x 582 (V)	PAL: 752 (H) x 582 (V)	PAL: 752 (H) x 582 (V)	PAL: 752 (H) x 582 (V)
Horizontal Resolution	540 TVL	Color: 600 TVL, B/W: 650 TVL	Color: 600 TVL, B/W: 650 TVL	Color: 600 TVL, B/W: 650 TVL	Color: 600 TVL, B/W: 650 TVL
Signal System	PAL	PAL	PAL	PAL	PAL
Min. illumination	0.1 Lux @ F1.2, AGC ON	Color: 0.001 Lux @ F1.2, AGC ON B/W: 0.0001 Lux @ F1.2, AGC ON	Color: 0.01 Lux @ F1.2, AGC ON, 0.0001 Lux @ F1.2, AGC ON, sensitivity x 512) B/W: 0.001 Lux @ F1.2, AGC ON, 0.00001 Lux @ F1.2, AGC ON, sensitivity x 512)	Color: 0.001 Lux @ F1.2, AGC ON, 0.0001 Lux @ F1.2, AGC ON, sensitivity x 512) B/W: 0.0001 Lux @ F1.2, AGC ON, 0.00001 Lux @ F1.2, AGC ON, sensitivity x 512)	Color: 0.001 Lux @ F1.2, AGC ON, 0.0001 Lux @ F1.2, AGC ON, sensitivity x 512) B/W: 0.0001 Lux @ F1.2, AGC ON, 0.00001 Lux @ F1.2, AGC ON, sensitivity x 512)
Lens	C/CS mount	C/CS mount	C/CS mount	C/CS mount	C/CS mount
Day/Night	Electronic	ICR	ICR	ICR	ICR
S/N Ratio	> 62 dB	> 62 dB	> 62 dB	> 62 dB	> 62 dB
Features	-	DNR, Digital WDR	-	WDR, Low light, 3D DNR, EIS, Smart IR	WDR, Low light, 3D DNR, EIS, Smart IR
Synchronization	Internal/Power synchronization	Internal/Power synchronization	Internal/Power synchronization	Internal/Power synchronization	Internal/Power synchronization
OSD Menu	-	Yes	Yes	Yes	Yes
Operating Temperature	-10 °C - 60 °C	-10 °C - 60 °C	-10 °C - 60 °C	-10 °C - 60 °C	-10 °C - 60 °C
Power Supply	24 V AC +/- 10% or 12 V DC +/- 10%	24 VAC +/- 10%, 12 VDC +/- 10%	100 - 240 V AC	24 VAC +/- 10%, 12 VDC +/- 10%	100 - 240 V AC
Power Consumption	Max. 3 W	Max. 2 W Max. 4 W with IR cut filter ON	Max. 5 W Max. 10 W with IR cut filter ON	Max. 5 W Max. 10 W with IR cut filter ON	Max. 5 W Max. 10 W with IR cut filter ON

PRO ANALOG CAMERAS

PRO ANALOG PTZ

PRO DVR

PRO IP CAMERAS





PRO IP PTZ

PRO NVR/HYBRID

PRO ACCESSORIES

PRO

ANALOG 700TVL PICADIS CAMERAS

	DS-2CC11A1P-A	DS-2CC11A5P-A	DS-2CC11A7P-A	DS-2CC11A8P-A
Model				
Image Sensor	1/3" SONY CCD	1/3" SONY EXview HAD CCD II	1/3" SONY SUPER HAD CCD II	1/3" SONY EXVIEW HAD CCD II
Effective Pixels	PAL: 976 (H) x 582 (V) NTSC: 976 (H) x 494 (V)	PAL: 976 (H) x 582 (V) NTSC: 976 (H) x 494 (V)	PAL: 976 (H) x 582 (V) NTSC: 976 (H) x 494 (V)	PAL: 976 (H) x 582 (V) NTSC: 976 (H) x 494 (V)
Horizontal Resolution	700TVL	700 TVL	700 TVL	700 TVL
Signal System	PAL	PAL	PAL	PAL
Min. illumination	Color: 0.001 Lux @ F1.2, AGC ON B/W: 0.0001 Lux @ F1.2, AGC ON	Color: 0.001 Lux @ F1.2, AGC ON, 0.0001 Lux @ F1.2, AGC ON, sensitivity x 512) B/W: 0.0001 Lux @ F1.2, AGC ON, 0.00001 Lux @ F1.2, AGC ON, sensitivity x 512)	Color: 0.001 Lux @ F1.2, AGC ON, 0.0001 Lux @ F1.2, AGC ON, sensitivity x 512) B/W: 0.0001 Lux @ F1.2, AGC ON, 0.00001 Lux @ F1.2, AGC ON, sensitivity x 512)	Color: 0.001 Lux @ F1.2, AGC ON, 0.0001 Lux @ F1.2, AGC ON, sensitivity x 512) B/W: 0.0001 Lux @ F1.2, AGC ON, 0.00001 Lux @ F1.2, AGC ON, sensitivity x 512)
Lens	C/CS mount DC drive	C/CS mount DC/Video drive	C/CS mount DC/Video drive	C/CS mount DC/Video drive
Day/Night	ICR	ICR	ICR	ICR
S/N Ratio	> 62 dB	> 62 dB	> 62 dB	> 62 dB
Features	DNR, Digital WDR, Smart IR	Low light, 3D DNR, Digital WDR, EIS, Smart IR	WDR, Low light, 3D DNR, EIS, Smart IR	HLC, Low light, 3D DNR, Digital WDR, EIS
Synchronization	Internal/Power synchronization	Internal/Power synchronization	Internal/Power synchronization	Internal/Power synchronization
OSD Menu	Yes	Yes	Yes	Yes
Operating Temperature	-10 °C - 60 °C	-10 °C - 60 °C	-10 °C - 60 °C	-10 °C - 60 °C
Power Supply	24 VAC +/- 10%, 12 VDC +/- 10%	24 VAC +/- 10%, 12 VDC +/- 10%	24 VAC +/- 10%, 12 VDC +/- 10%	24 VAC +/- 10%, 12 VDC +/- 10%
Power Consumption	Max. 2 W Max. 4 W with IR cut filter ON	Max. 5 W Max. 10 W with IR cut filter ON	Max. 5 W Max. 10 W with IR cut filter ON	Max. 5 W Max. 10 W with IR cut filter ON

PRO ANALOG CAMERAS
 PRO ANALOG PTZ
 PRO DVR
 PRO IP CAMERAS
 PRO IP PTZ
 PRO NVR/HYBRID
 PRO ACCESSORIES

PRO

ANALOG DOME CAMERAS

	DS-2CC51A1P-VF	DS-2CC51A5P-VF	DS-2CC51A7P-VF	DS-2CC52A1P-VP	DS-2CC5271P-AIR2
Model					
Image Sensor	1/3" SONY CCD	1/3" SONY EXview HAD CCD II	1/3" SONY SUPER HAD CCD II	1/3" SONY CCD	1/3 SONY Super HAD CCD II
Effective Pixels	PAL: 976 (H) x 582 (V)	PAL: 976 (H) x 582 (V)	PAL: 976 (H) x 582 (V)	PAL: 976 (H) x 582 (V)	PAL: 976 (H) x 582 (V)
Horizontal Resolution	700 TVL	700 TVL	700 TVL	700 TVL	540 TVL (Color), 600 TVL (B/W)
Signal System	PAL	PAL	PAL	PAL	PAL
Min. illumination	Color: 0.001 Lux @ F1.2, AGC ON B/W: 0.0001 Lux @ F1.2, AGC ON	Color: 0.001 Lux @ F1.2, AGC ON B/W: 0.0001 Lux @ F1.2, AGC ON	Color: 0.001 Lux @ F1.2, AGC ON B/W: 0.0001 Lux @ F1.2, AGC ON	0.001Lux @ F1.2,AGC ON, 0.0014Lux @ F1.4,AGC ON	0.001Lux @ F1.2,AGC ON, 0 Lux with IR 0.0014Lux @ 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
Horizontal viewing angle	80° - 27.2°	80° - 27.2°	80° - 27.2°	80° - 27.2°	80° - 27.2°
Day/Night	ICR	ICR	ICR	Electronic	ICR
S/N Ratio	> 62 dB	> 62 dB	> 62 dB	> 62 dB	> 62 dB
Features	DNR, Digital WDR	Low light, 3D DNR, Digital WDR, EIS, Smart IR	WDR, Low light, 3D DNR, EIS, Smart IR	DNR, Digital WDR, Vandal Proof, IP66	DNR, D-WDR, Eclipse, 3-axis adjustment, IP66
Synchronization	Internal/Power synchronization	Internal/Power synchronization	Internal/Power synchronization	Internal synchronization	Internal/Power synchronization
OSD Menu	Yes	Yes	Yes	Yes	Yes
Operating Temperature	-10 °C - 60 °C	-10 °C - 60 °C	-10 °C - 60 °C	-10 °C - 60 °C	-10 °C - 60 °C Humidity 90% or less (non-condensing)
Power Supply	24 VAC +/- 10%, 12 VDC +/- 10%	24 VAC +/- 10%, 12 VDC +/- 10%	24 VAC +/- 10%, 12 VDC +/- 10%	12 VDC +/- 10%	24 V AC +/- 10% or 12 V DC +/- 10%
Power Consumption	Max. 4 W Max. 4.5 W with ICR ON	Max. 4 W Max. 4.5 W with ICR ON	Max. 4 W Max. 4.5 W with ICR ON	Max. 2 W	Max. 4 W Max. 4.5 W with IR cut filter ON

PRO
ANALOG
CAMERAS

PRO
ANALOG
PTZ

PRO
DVR

PRO
IP
CAMERAS

PRO
IP
PTZ

PRO
NVR/
HYBRID

PRO
ACCESSORIES

PRO

ANALOG IR DOME CAMERAS

	DS-2CC5271P-AVPIR2	DS-2CC5281P-AVFIR2	DS-2CC5281P-AVPIR2	DS-2CC5291P-AVPIR2
Model				
Image Sensor	1/3" SONY Super HAD CCD II	1/3" SONY CCD	1/3" SONY CCD	1/3" SONY Super HAD CCD II
Effective Pixels	PAL: 752 (H) x 582 (V)	PAL: 752 (H) x 582 (V)	PAL: 752 (H) x 582 (V)	PAL: 976 (H) x 582 (V)
Horizontal Resolution	540 TVL (Color), 600 TVL (B/W)	600 TVL	600 TVL	650 TVL (Color), 700 TVL (B/W)
Signal System	PAL	PAL	PAL	PAL
Min. illumination	0.001Lux @ F1.2,AGC ON, 0 Lux with IR 0.0014Lux @ F1.4,AGC ON, 0 Lux with IR	0.001Lux @ F1.2,AGC ON, 0 Lux with IR 0.0014Lux @ F1.4,AGC ON, 0 Lux with IR	0.001Lux @ F1.2,AGC ON, 0 Lux with IR 0.0014Lux @ F1.4,AGC ON, 0 Lux with IR	0.001Lux @ F1.2,AGC ON, 0 Lux with IR 0.0014Lux @ 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
Horizontal viewing angle	80° - 27.2°	80° - 27.2°	80° - 27.2°	80° - 27.2°
Day/Night	ICR	ICR	ICR	ICR
IR Distance	30m	30m	30m	30m
S/N Ratio	> 62 dB	> 62 dB	> 62 dB	> 62 dB
Features	DNR, D-WDR, Eclipse, 3-axis adjustment, IP66, Vandal-proof	DNR, Digital WDR, Smart IR, IP66	DNR, Digital WDR, Smart IR, Vandal Proof, IP66	DNR, Digital WDR, Smart IR, Vandal Proof, IP66
Synchronization	Internal/Power synchronization	Internal/Power synchronization	Internal/Power synchronization	Internal synchronization
OSD Menu	Yes	Yes	Yes	Yes
Operating Temperature	-10 °C - 60 °C Humidity 90% or less (non-condensing)	-10 °C - 60 °C	-10 °C - 60 °C	-10 °C - 60 °C Humidity 90% or less (non-condensing)
Power Supply	24 V AC +/- 10% or 12 V DC +/- 10%	24 VAC +/- 10%, 12 VDC +/- 10%	24 VAC +/- 10%, 12 VDC +/- 10%	24 V AC +/- 10% or 12 V DC +/- 10%
Power Consumption	Max. 4 W Max. 4.5 W with IR cut filter ON	Max. 4 W Max. 4.5 W with ICR ON	Max. 4 W Max. 4.5 W with ICR ON	Max. 4 W Max. 4.5 W with IR cut filter ON

PRO ANALOG CAMERAS
 PRO ANALOG PTZ
 PRO DVR
 PRO IP CAMERAS
 PRO IP PTZ
 PRO NVR/HYBRID
 PRO ACCESSORIES

PRO

ANALOG IR DOME CAMERAS

PRO
ANALOG
CAMERAS

PRO
ANALOG
PTZ

PRO
DVR

PRO
IP
CAMERAS

PRO
IP
PTZ






PRO
NVR/
HYBRID

PRO
ACCESSORIES

	DS-2CC52A1P-AVPIR2	DS-2CC5181P-VPIRH	DS-2CC51A5P-VPIR	DS-2CC51A7P-VPIR
Model				
Image Sensor	1/3" SONY CCD	1/3" SONY Super HAD CCD II	1/3" SONY EXview HAD CCD II	1/3" SONY Super HAD CCD II
Effective Pixels	PAL: 976 (H) x 582 (V) NTSC: 976 (H) x 494 (V)	PAL: 752 (H) x 582 (V) NTSC: 768 (H) x 494 (V)	PAL: 976 (H) x 582 (V) NTSC: 976 (H) x 494 (V)	PAL: 976 (H) x 582 (V) NTSC: 976 (H) x 494 (V)
Horizontal Resolution	700 TVL	Color: 600 TVL, B/W: 650 TVL	700 TVL	700 TVL
Signal System	PAL	PAL	PAL	PAL
Min. illumination	0.001Lux @ F1.2, AGC ON, 0.0014Lux @ F1.4, AGC ON, 0 Lux with IR	0.001 Lux @ F1.2, AGC ON, 0.0014 Lux @ F1.4, AGC ON, 0 Lux with IR	0.001 Lux @ F1.2, AGC ON, 0.0001 Lux @ F1.2, AGC ON, sens-up x 512), 0 Lux with IR	0.001 Lux @ F1.2, AGC ON, 0.0001 Lux @ F1.2, AGC ON, sens-up x 512), 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
Horizontal viewing angle	80° - 27.2°	80° - 27.2°	80° - 27.2°	80° - 27.2°
Day/Night	ICR	ICR	ICR	ICR
IR Distance	30m	30m	30m	30m
S/N Ratio	> 62 dB	> 62 dB	> 62 dB	> 62 dB
Features	DNR, Digital WDR, Smart IR, Vandal Proof, IP66	Smart IR, DNR, Digital WDR, Vandal Proof, IP66, wih heater	Smart IR, 3D DNR, Digital WDR, EIS, Vandal Proof, IP66	WDR, Smart IR, 3D DNR, EIS, Vandal Proof, IP66
Synchronization	Internal/Power synchronization	Internal/Power synchronization	Internal/Power synchronization	Internal/Power synchronization
OSD Menu	Yes	Yes	Yes	Yes
Operating Temperature	-10 °C - 60 °C	-40 °C - 60 °C	-10 °C - 60 °C	-10 °C - 60 °C
Power Supply	24 VAC +/- 10%, 12 VDC +/- 10%	24 VAC +/- 10%, 12 VDC +/- 10%	24 VAC +/- 10%, 12 VDC +/- 10%	24 VAC +/- 10%, 12 VDC +/- 10%
Power Consumption	Max. 4 W Max. 4.5 W with ICR ON	Max. 25 W	Max. 13 W	Max. 13 W Max. 25 W with ICR ON

PRO

ANALOG BULLET CAMERAS

	DS-2CC11A5P-VFIR	DS-2CC11A7P-VFIR	DS-2CC1291P-AVFIR3	DS-2CC1291P-VFIR8	DS-2CC1291P-VFIR8H
Model					
Image Sensor	1/3" SONY EXview HAD CCD II	1/3" SONY Super HAD CCD II	1/3 SONY Super HAD CCD II	1/3 SONY CCD	1/3 SONY CCD
Effective Pixels	PAL: 976 (H) x 582 (V) NTSC: 976 (H) x 494 (V)	PAL: 976 (H) x 582 (V) NTSC: 976 (H) x 494 (V)	PAL: 976 (H) x 582 (V) NTSC: 976 (H) x 494 (V)	PAL: 752 (H) x 582 (V) NTSC: 768 (H) x 494 (V)	PAL: 752 (H) x 582 (V) NTSC: 768 (H) x 494 (V)
Horizontal Resolution	700 TVL	700 TVL	650 TVL (Color), 700 TVL (B/W)	650 TVL (Color), 700 TVL (B/W)	650 TVL (Color), 700 TVL (B/W)
Signal System	PAL	PAL	PAL	PAL	PAL
Min. illumination	0.001 Lux @ F1.2, AGC ON, 0.0001 Lux @ F1.2, AGC ON, sens-up x 512, 0 Lux with IR	0.001 Lux @ F1.2, AGC ON, 0.0001 Lux @ F1.2, AGC ON, sens-up x 512, 0 Lux with IR	0.001Lux @ F1.2,AGC ON, 0 Lux with IR 0.0014Lux @ F1.4,AGC ON, 0 Lux with IR	0.001Lux @ F1.2,AGC ON, 0 Lux with IR 0.0014Lux @ F1.4,AGC ON, 0 Lux with IR	0.001Lux @ F1.2,AGC ON, 0 Lux with IR 0.0014Lux @ 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	5 - 50 mm	5 - 50 mm
Horizontal viewing angle	80° - 272°	80° - 272°	80° - 272°	42° - 45°	42° - 45°
Day/Night	ICR	ICR	ICR	ICR	ICR
IR Distance	30m	30m	30m	80m	80m
S/N Ratio	> 62 dB	> 62 dB	> 62 dB	> 62 dB	> 62 dB
Features	Low light, Smart IR, 3D DNR, Digital WDR, EIS, IP66	WDR, Low light, Smart IR, 3D DNR, EIS, IP66	IP66	IP66	IP66
Synchronization	Internal/Power synchronization	Internal/Power synchronization	Internal/Power synchronization	Internal or Power Synchronization	Internal or Power Synchronization
OSD Menu	Yes	Yes	Yes	Yes	Yes
Operating Temperature	-10 °C - 60 °C	-10 °C - 60 °C	-10 °C - 60 °C Humidity 90% or less (non-condensing)	-10 °C - 60 °C	-40 °C - 60 °C with Heater ON
Power Supply	12 VDC +/- 10%, 24 VAC +/- 10%	12 VDC +/- 10%, 24 VAC +/- 10%	24 V AC +/- 10% or 12 V DC +/- 10%	24 V AC +/- 10%, 12 V DC +/- 10%	24 V AC +/- 10%, 12 V DC +/- 10%
Power Consumption	Max. 9.5 W	Max. 9.5 W	Max. 7.5 W Max. 8 W with IR cut filter ON	Max. 15W with IR Led ON	Max. 20W with Heater ON

PRO
ANALOG
CAMERAS

PRO
ANALOG
PTZ

PRO
DVR

PRO
IP
CAMERAS

PRO
IP
PTZ

PRO
NVR/
HYBRID

PRO
ACCESSORIES

PRO

ANALOG BULLET CAMERAS

	DS-2CC1281P-AVFIR3	DS-2CC1281P-AVFIR3H	DS-2CC12A1P-VFIR3	DS-2CC12A1P-AVFIR3
Model				
Image Sensor	1/3" SONY CCD	1/3" SONY CCD	1/3" SONY CCD	1/3" SONY CCD
Effective Pixels	PAL: 752 (H) x 582 (V) NTSC: 768 (H) x 494 (V)	PAL: 752 (H) x 582 (V) NTSC: 768 (H) x 494 (V)	PAL: 976 (H) x 582 (V) NTSC: 976 (H) x 494 (V)	PAL: 976 (H) x 582 (V) NTSC: 976 (H) x 494 (V)
Horizontal Resolution	Color: 600 TVL, B/W: 650 TVL	Color: 600 TVL, B/W: 650 TVL	700 TVL	700 TVL
Signal System	PAL	PAL	PAL	PAL
Min. illumination	0.001Lux @ F1.2, AGC ON 0.0014Lux @ F1.4, AGC ON, 0 Lux with IR	0.001Lux @ F1.2, AGC ON 0.0014Lux @ F1.4, AGC ON, 0 Lux with IR	0.001Lux @ F1.2, AGC ON 0.0014Lux @ F1.4, AGC ON, 0 Lux with IR	0.001Lux @ F1.2, AGC ON 0.0014Lux @ 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
Horizontal viewing angle	80° - 27.2°	80° - 27.2°	80° - 27.2°	80° - 27.2°
Day/Night	ICR	ICR	Electronic	ICR
IR Distance	40m	Approx. 30 to 40 meters	40m	40m
S/N Ratio	> 62 dB	> 62 dB	> 62 dB	> 62 dB
Features	DNR, Digital WDR, Smart IR, IP66	DNR, Digital WDR, Smart IR, IP66, with heater	DNR, Digital WDR, Smart IR, IP66	DNR, Digital WDR, Smart IR, IP66
Synchronization	Internal/Power synchronization	Internal/Power synchronization	Internal synchronization	Internal/Power synchronization
OSD Menu	Yes	Yes	Yes	Yes
Operating Temperature	-10 °C - 60 °C	-40 °C - 60 °C with heater on	10 °C - 60 °C	10 °C - 60 °C
Power Supply	12 VDC +/- 10%, 24 VAC +/- 10%	12 VDC +/- 10%, 24 VAC +/- 10%	12 VDC +/- 10%	12 VDC +/- 10%, 24 VAC +/- 10%
Power Consumption	Max. 7.5 W Max. 8 W with IR cut filter ON	Max. 20W	Max. 4.5 W	Max. 7.5 W Max. 8 W with IR cut filter ON

PRO
ANALOG
CAMERAS

PRO
ANALOG
PTZ

PRO
DVR

PRO
IP
CAMERAS







PRO
IP
PTZ

PRO
NVR/
HYBRID

PRO
ACCESSORIES

PRO







ANALOG PTZ DOME CAMERAS

Model	DS-2AF1-432	DS-2AF1-402	DS-2AF1-412	DS-2AF1-536	DS-2AF1-506	DS-2AF1-516
						
Image Sensor	1/4" SONY Interline Transfer Super HAD-II CCD	1/4" SONY Interline Transfer Super HAD-II CCD	1/4" SONY Interline Transfer Super HAD-II CCD	1/4" SONY Super HAD CCD	1/4" SONY Super HAD CCD	1/4" SONY Super HAD CCD
Horizontal Resolution	Color: 540 TVL, B/W: 600 TVL	Color: 540 TVL, B/W: 600 TVL	Color: 540 TVL, B/W: 600 TVL	Color: 540 TVL, B/W: 600 TVL	Color: 540 TVL, B/W: 600 TVL	Color: 540 TVL, B/W: 600 TVL
Optical/Digital Zoom	12x (3.8 - 45.6 mm) / 16x	12x (3.8 - 45.6 mm) / 16x	12x (3.8 - 45.6 mm) / 16x	30x (3.5 - 105 mm) / 16x	30x (3.5 - 105 mm) / 16x	30x (3.5 - 105 mm) / 16x
Min. Illumination	Color: 0.2 Lux @ F1.6 B/W: 0.02 Lux @ F1.6	Color: 0.2 Lux @ F1.6 B/W: 0.02 Lux @ F1.6	Color: 0.2 Lux @ F1.6 B/W: 0.02 Lux @ F1.6	Color: 0.2 Lux @ F1.4 B/W: 0.02 Lux @ F1.4	Color: 0.2 Lux @ F1.4 B/W: 0.02 Lux @ F1.4	Color: 0.2 Lux @ F1.4 B/W: 0.02 Lux @ F1.4
Day/Night	ICR	ICR	ICR	ICR	ICR	ICR
IR Distance	-	-	-	-	-	-
Wide Dynamic Range	-	-	-	Digital WDR	Digital WDR	Digital WDR
Digital Noise Reduction	DNR	DNR	DNR	3D DNR	3D DNR	3D DNR
Backlight Compensation	BLC	BLC	BLC	BLC	BLC	BLC
Privacy Masking	max 8 zones	max 8 zones	max 8 zones	max 8 zones	max 8 zones	max 8 zones
Pan Speed	Manual Speed: 0.1° - 200°/s. Preset Speed: 200°/s	Manual Speed: 0.1° - 200°/s. Preset Speed: 200°/s	Manual Speed: 0.1° - 200°/s. Preset Speed: 200°/s	Manual Speed: 0.1° - 300°/s. Preset Speed: 540°/s	Manual Speed: 0.1° - 300°/s. Preset Speed: 540°/s	Manual Speed: 0.1° - 300°/s. Preset Speed: 540°/s
Tilt Speed	Manual Speed: 0.1° - 120°/s Preset Speed: 120°/s	Manual Speed: 0.1° - 120°/s Preset Speed: 120°/s	Manual Speed: 0.1° - 120°/s Preset Speed: 120°/s	Manual Speed: 0.1° - 240°/s Preset Speed: 400°/s	Manual Speed: 0.1° - 240°/s Preset Speed: 400°/s	Manual Speed: 0.1° - 240°/s Preset Speed: 400°/s
Pan Range	360° endless	360° endless	360° endless	360° endless	360° endless	360° endless
Tilt Range	-2°-90°(Auto Mirror)	-2°-90°(Auto Mirror)	-2°-90°(Auto Mirror)	-5°-185°(Auto Mirror)	-5°-185°(Auto Mirror)	-5°-185°(Auto Mirror)
Number Of Preset	255	255	255	256	256	256
Patrols/Patterns	8 / 4	8 / 4	8 / 4	8 / 4	8 / 4	8 / 4
Features	In ceiling	Indoor	Outdoor, IP66 Weatherproof	In ceiling	Indoor	Outdoor, IP66 Weatherproof
Alarm Input/Output	2 / 1	2 / 1	2 / 1	2 / 2	2 / 2	2 / 2
Power Supply	24VAC	24VAC	24VAC	24VAC	24VAC	24VAC
Operating Temperature	-10°C - 50°C	-10°C - 50°C	-30°C - 65°C	-10°C - 50°C	-10°C - 50°C	-30°C - 65°C

PRO ANALOG CAMERAS
 PRO ANALOG PTZ
 PRO DVR
 PRO IP CAMERAS
 PRO IP PTZ
 PRO NVR/HYBRID
 PRO ACCESSORIES

PRO

ANALOG PTZ DOME CAMERAS

	DS-2AF1-538	DS-2AF1-508	DS-2AF1-518	DS-2AF4262-A3	DS-2AF4262-A	DS-2AF1-716
Model						
Image Sensor	1/4" SONY Super HAD CCD	1/4" SONY Super HAD CCD	1/4" SONY Super HAD CCD	1/3" Sony CCD	1/3" Sony CCD	1/4" Sony Super HAD CCD
Horizontal Resolution	Color: 540 TVL, B/W: 600 TVL	Color: 540 TVL, B/W: 600 TVL	Color: 540 TVL, B/W: 600 TVL	Color: 650TVL, B/W: 700TVL	Color: 650TVL, B/W: 700TVL	Color: 540 TVL, B/W: 600 TVL
Optical/Digital Zoom	36x (3.4 - 122.4 mm) / 16x	36x (3.4 - 122.4 mm) / 16x	36x (3.4 - 122.4 mm) / 16x	12x (3.8 - 45.6 mm) / 16x	12x (3.8 - 45.6 mm) / 16x	30x (3.5 - 105 mm) / 16x
Min. Illumination	Color: 0.2 Lux @ F1.6 B/W: 0.02 Lux @ F1.6	Color: 0.2 Lux @ F1.6 B/W: 0.02 Lux @ F1.6	Color: 0.2 Lux @ F1.6 B/W: 0.02 Lux @ F1.6	Color: 0.1 Lux @ F1.6 B/W: 0.01 Lux @ F1.6	Color: 0.1 Lux @ F1.6 B/W: 0.01 Lux @ F1.6	Color: 0.2 Lux @ F1.4 B/W: 0.02 Lux @ F1.4 0 Lux with IR
Day/Night	ICR	ICR	ICR	ICR	ICR	ICR
IR Distance	-	-	-	-	-	Approx 80 meters
Wide Dynamic Range	Digital WDR	Digital WDR	Digital WDR	Digital WDR	Digital WDR	Digital WDR
Digital Noise Reduction	3D DNR	3D DNR	3D DNR	3D DNR	3D DNR	3D DNR
Backlight Compensation	BLC	BLC	BLC	BLC	BLC	BLC
Privacy Masking	max 8 zones	max 8 zones	max 8 zones	max 8 zones	max 8 zones	max 8 zones
Pan Speed	Manual Speed: 0.1° - 300°/s, Preset Speed: 540°/s	Manual Speed: 0.1° - 300°/s, Preset Speed: 540°/s	Manual Speed: 0.1° - 300°/s, Preset Speed: 540°/s	Manual Speed: 0.1° - 200°/s Preset Speed: 200°/s	Manual Speed: 0.1° - 200°/s Preset Speed: 200°/s	Manual Speed: 0.1°-160°/s, Preset Speed: 240°/s
Tilt Speed	Manual Speed: 0.1° - 240°/s Preset Speed: 400°/s	Manual Speed: 0.1° - 240°/s Preset Speed: 400°/s	Manual Speed: 0.1° - 240°/s Preset Speed: 400°/s	Manual Speed: 0.1° - 120°/s Preset Speed: 120°/s	Manual Speed: 0.1° - 120°/s Preset Speed: 120°/s	Manual Speed: 0.1°-120°/s, Preset Speed: 200°/s
Pan Range	360° endless	360° endless	360° endless	360° endless	360° endless	360° endless
Tilt Range	-5°-185°(Auto Mirror)	-5°-185°(Auto Mirror)	-5°-185°(Auto Mirror)	-2°- 90°(Auto Mirror)	-2°- 90°(Auto Mirror)	-10°-90° (Auto Flip)
Number Of Preset	256	256	256	255	255	256
Patrols/Patterns	8 / 4	8 / 4	8 / 4	8 / 4	8 / 4	8 / 4
Features	In ceiling	Indoor	Outdoor, IP66 Weatherproof	Indoor	IP66 Weatherproof	IP66 Weatherproof
Alarm Input/Output	2 / 2	2 / 2	2 / 2	2 / 1	2 / 1	2 / 2
Power Supply	24VAC	24VAC	24VAC	24VAC	24VAC	24 VAC
Operating Temperature	-10°C - 50°C	-10°C - 50°C	-30°C - 65°C	-10°C - 50°C	-30°C - 65°C	-30°C - 65°C

PRO
ANALOG
CAMERAS

PRO
ANALOG
PTZ

PRO
DVR

PRO
IP
CAMERAS

PRO
IP
PTZ

PRO
NVR/
HYBRID

PRO
ACCESSORIES

PRO








ANALOG PTZ DOME CAMERAS

Model	DS-2AF1-718	DS-2AF1-715-B	DS-2AF1-717-B	DS-2AF1-764	DS-2AF7264-A	DS-2AF7268-A
Image Sensor	1/4" Sony Super HAD CCD	1/4" SONY EXview HAD Progressive Scan CCD	1/4" SONY EXview HAD Progressive Scan CCD	1/3" Sony Interline Transfer Exview HAD-II CCD	1/3" Sony CCD	1/4" Sony CCD
Horizontal Resolution	Color: 540 TVL, B/W: 600 TVL	Color: 540 TVL, B/W: 570 TVL	Color: 540 TVL, B/W: 570 TVL	Color: 650 TVL, B/W: 700 TVL	Color: 700TVL, B/W: 750TVL	Color: 700TVL, B/W: 750TVL
Optical/Digital Zoom	36x (3.4 - 122.4 mm) / 16x	28x (3.5 - 98 mm) / 12x	36x (3.4 - 122.4 mm) / 12x	23x (4.0 - 92 mm) / 16x	23x (4.0 - 92 mm) / 16x	36x (3.3 - 119 mm) / 16x
Min. Illumination	Color: 0.2 Lux @ F1.6 B/W: 0.02 Lux @ F1.6 0 Lux with IR	Color: 0.65 Lux @ F1.35 B/W: 0.005 Lux @ F1.35 0 Lux with IR	Color: 1.4 Lux @ F1.6 B/W: 0.01 Lux @ F1.6 0 Lux with IR	Color: 0.1 Lux @ F1.6 B/W: 0.01 Lux @ F1.6 0 Lux with IR	Color: 0.02 Lux @ F1.6 B/W: 0.002 Lux @ F1.6 0 Lux with IR	Color: 0.1 Lux @ F1.4 B/W: 0.01 Lux @ F1.4 0 Lux with IR
Day/Night	ICR	ICR	ICR	ICR	ICR	ICR
IR Distance	Approx 80 meters	Approx 80 meters	Approx 80 meters	Approx 80 meters	Approx 120 meters	Approx 120 meters
Wide Dynamic Range	Digital WDR	WDR	WDR	Digital WDR	Digital WDR	Digital WDR
Digital Noise Reduction	3D DNR	3D DNR	3D DNR	3D DNR	3D DNR	3D DNR
Backlight Compensation	BLC	BLC	BLC	BLC	BLC	BLC
Privacy Masking	max 8 zones	max 8 zones	max 8 zones	max 8 zones	max 8 zones	max 8 zones
Pan Speed	Manual Speed: 0.1°-160°/s, Preset Speed: 240°/s	Manual Speed: 0.1°-160°/s, Preset Speed: 240°/s	Manual Speed: 0.1°-160°/s, Preset Speed: 240°/s	Manual Speed: 0.1°-160°/s, Preset Speed: 240°/s	Manual Speed: 0.1° - 160°/s Preset Speed: 160°/s	Manual Speed: 0.1° - 160°/s Preset Speed: 160°/s
Tilt Speed	Manual Speed: 0.1°-120°/s, Preset Speed: 200°/s	Manual Speed: 0.1°-120°/s, Preset Speed: 200°/s	Manual Speed: 0.1°-120°/s, Preset Speed: 200°/s	Manual Speed: 0.1°-120°/s, Preset Speed: 200°/s	Manual Speed: 0.1° - 120°/s Preset Speed: 120°/s	Manual Speed: 0.1° - 120°/s Preset Speed: 120°/s
Pan Range	360° endless	360° endless	360° endless	360° endless	360° endless	360° endless
Tilt Range	-10°-90° (Auto Flip)	-10°-90° (Auto Flip)	-10°-90° (Auto Flip)	-10°-90° (Auto Flip)	-2° - 90° (Auto Flip)	-2° - 90° (Auto Flip)
Number Of Preset	256	256	256	256	256	256
Patrols/Patterns	8 / 4	8 / 4	8 / 4	8 / 4	8 / 4	8 / 4
Features	IP66 Weatherproof	IP66 Weatherproof	IP66 Weatherproof	IP66 Weatherproof	IP66 Weatherproof Smart Tracking	IP66 Weatherproof Smart Tracking
Alarm Input/Output	2 / 2	2 / 2	2 / 2	2 / 2	2 / 2	2 / 2
Power Supply	24VAC	24VAC	24VAC	24VAC	24VAC	24VAC
Operating Temperature	-30°C - 65°C	-30°C - 65°C	-30°C - 65°C	-30°C - 65°C	-30°C - 65°C	-30°C - 65°C

PRO ANALOG CAMERAS
 PRO ANALOG PTZ
 PRO DVR
 PRO IP CAMERAS
 PRO IP PTZ
 PRO NVR/HYBRID
 PRO ACCESSORIES

PRO

DVRs

	DS-7308HI-ST	DS-7316HI-ST	DS-7308HFI-ST	DS-7316HFI-ST	DS-7308HWI-SH	DS-7316HWI-SH	DS-7324HWI-SH
Model							
Video Input	8 channel	16 channel	8 channel	16 channel	8 channel	16 channel	24 channel
Video Compression	H.264	H.264	H.264	H.264	H.264	H.264	H.264
Audio Compression	G.711u	G.711u	G.711u	G.711u	G.711u	G.711u	G.711u
Video Output	1-ch HDMI, 1-ch VGA, 2-ch BNC	1-ch HDMI, 1-ch VGA, 2-ch BNC	1-ch HDMI, 1-ch VGA, 2-ch BNC	1-ch HDMI, 1-ch VGA, 2-ch BNC	1-ch HDMI, 1-ch VGA, 2-ch BNC	1-ch HDMI, 1-ch VGA, 2-ch BNC	1-ch HDMI, 1-ch VGA, 2-ch BNC
Audio Input/Output	4 / 2	4 / 2	4 / 2	4 / 2	4 / 2	4 / 2	4 / 2
Two-way Audio	1-ch	1-ch	1-ch	1-ch	Yes, use audio input	Yes, use audio input	Yes, use audio input
Real-Time Recording Res.	2CIF/CIF/QCIF	2CIF/CIF/QCIF	4CIF/2CIF/CIF/QCIF	4CIF/2CIF/CIF/QCIF	WD1/4CIF/2CIF/CIF/QCIF	WD1/4CIF/2CIF/CIF/QCIF	WD1/4CIF/2CIF/CIF/QCIF
HDMI Output Res.	Up to1080P	Up to1080P	Up to1080P	Up to1080P	Up to1080P	Up to1080P	Up to1080P
VGA Output Res.	Up to 1080P	Up to 1080P	Up to 1080P	Up to 1080P	Up to1080P	Up to1080P	Up to1080P
Video Loop Out	8-ch	16-ch	8-ch	16-ch	8-ch	16-ch	-
Synchronous Playback	8-ch	16-ch	8-ch	16-ch	8-ch	16-ch	16-ch
Raid	-	-	-	-	-	-	-
Alarm Input/Output	8/4	16/4	8/4	16/4	8/4	16/4	16/8
Network Interface	1, RJ45 10M/100M/1000M Ethernet interface	1, RJ45 10M/100M/1000M Ethernet interface	1, RJ45 10M/100M/1000M Ethernet interface	1, RJ45 10M/100M/1000M Ethernet interface	1, RJ45 10M / 100M / 1000M Ethernet interface	1, RJ45 10M / 100M / 1000M Ethernet interface	1, RJ45 10M / 100M / 1000M Ethernet interface
HDD Interface	4 SATA interfaces for 2 HDDs + 1 DVD-R/W	4 SATA interfaces for 2 HDDs + 1 DVD-R/W	4 SATA interfaces for 2 HDDs + 1 DVD-R/W	4 SATA interfaces for 2 HDDs + 1 DVD-R/W	4 SATA interfaces for 2 HDDs + 1 DVD-R/W	4 SATA interfaces for 2 HDDs + 1 DVD-R/W	4 SATA interfaces for 2 HDDs + 1 DVD-R/W
eSATA	1 eSATA	1 eSATA	1 eSATA	1 eSATA	1 eSATA	1 eSATA	1 eSATA
Usb Interface	3, USB 2.0	3, USB 2.0	3, USB 2.0	3, USB 2.0	3, USB2.0	3, USB2.0	3, USB2.0
Chassis	19-inch rack-mounted 1.5 U chassis	19-inch rack-mounted 1.5 U chassis	19-inch rack-mounted 1.5 U chassis	19-inch rack-mounted 1.5 U chassis	19-inch rack-mounted 1.5 U chassis	19-inch rack-mounted 1.5 U chassis	19-inch rack-mounted 1.5 U chassis
Power Supply	100 - 240 VAC	100 - 240 VAC	100 - 240 VAC	100 - 240 VAC	100 - 240 VAC	100 - 240 VAC	100 - 240 VAC

PRO ANALOG CAMERAS

PRO ANALOG PTZ

PRO DVR

PRO IP CAMERAS

PRO IP PTZ

PRO NVR/HYBRID

PRO ACCESSORIES

PRO

DVRs

Model	DS-7332HWI-SH	DS-8108HFI-ST	DS-8116HFI-ST	DS-9108HFI-ST (-ST/8HDD)	DS-9116HFI-ST (-ST/8HDD)	DS-9108HWI-ST (-ST/8HDD)	DS-9116HWI-ST (-ST/8HDD)
Video Input	32 channel	8 channel	16 channel	8 channel	16 channel	8 channel	16 channel
Video Compression	H.264	H.264	H.264	H.264	H.264	H.264	H.264
Audio Compression	G.711u	OggVorbis	OggVorbis	OggVorbis	OggVorbis	OggVorbis	OggVorbis
Video Output	1-ch HDMI, 1-ch VGA, 2-ch BNC	1-ch HDMI, 1-ch VGA, 2-ch BNC	1-ch HDMI, 1-ch VGA, 2-ch BNC	1-ch HDMI, 1-ch VGA, 5-ch BNC	1-ch HDMI, 1-ch VGA, 5-ch BNC	1-ch HDMI, 1-ch VGA, 5-ch BNC	1-ch HDMI, 1-ch VGA, 5-ch BNC
Audio Input/Output	4-ch/2-ch	8-ch/2-ch	16-ch/2-ch	8-ch/2-ch	16-ch/2-ch	8-ch/2-ch	16-ch/2-ch
Two-way Audio	Yes, use audio input	1-ch	1-ch	1-ch	1-ch	1-ch	1-ch
Real-Time Recording Res.	WD1/4CIF/2CIF/CIF/QCIF	4CIF/2CIF/CIF/QCIF	4CIF/2CIF/CIF/QCIF	4CIF/2CIF/CIF/QCIF	4CIF/2CIF/CIF/QCIF	WD1/4CIF/2CIF/CIF/QCIF	WD1/4CIF/2CIF/CIF/QCIF
HDMI Output Res.	Up to 1080P	Up to 1080P	Up to 1080P	Up to 1080P	Up to 1080P	Up to 1080P	Up to 1080P
VGA Output Res.	Up to 1080P	Up to 1080P	Up to 1080P	Up to 1080P	Up to 1080P	Up to 1080P	Up to 1080P
Video Loop Out	-	8-ch	16-ch	8-ch	16-ch	8-ch	16-ch
Synchronous Playback	16-ch	8-ch	16-ch	8-ch	16-ch	8-ch	16-ch
Raid	-	-	-	-	-	-	-
Alarm Input/Output	16/8	16/4	16/4	16/4	16/4	16/4	16/4
Network Interface	1, RJ45 10M / 100M / 1000M Ethernet interface	2, RJ45 10M/100M/1000M adaptive Ethernet interface	2, RJ45 10M/100M/1000M adaptive Ethernet interface	2, RJ45 10M/100M/1000M adaptive Ethernet interface	2, RJ45 10M/100M/1000M adaptive Ethernet interface	2, RJ45 10M/100M/1000M adaptive Ethernet interface	2, RJ45 10M/100M/1000M adaptive Ethernet interface
HDD Interface	4 SATA interfaces for 2 HDDs + 1 DVD-R/W	8 SATA interfaces for 4 HDDs + 1 DVD-R/W	8 SATA interfaces for 4 HDDs + 1 DVD-R/W	8 SATA interfaces for 4 HDDs + 1 DVD-R/W (default), or 8 HDDs	8 SATA interfaces for 4 HDDs + 1 DVD-R/W (default), or 8 HDDs	8 SATA interfaces for 4 HDDs + 1 DVD-R/W (default), or 8 HDDs	8 SATA interfaces for 4 HDDs + 1 DVD-R/W (default), or 8 HDDs
eSATA	1 eSATA	1 eSATA	1 eSATA	1 eSATA	1 eSATA	1 eSATA	1 eSATA
Usb Interface	3, USB2.0	3, USB 2.0	3, USB 2.0	3, USB2.0	3, USB2.0	3, USB2.0	3, USB2.0
Chassis	19-inch rack-mounted 1.5 U chassis	19-inch rack-mounted 2U	19-inch rack-mounted 2U	19-inch rack-mounted 2U	19-inch rack-mounted 2U	19-inch rack-mounted 2U	19-inch rack-mounted 2U
Power Supply	100 - 240 VAC	100 - 240 VAC	100 - 240 VAC	100 - 240 VAC	100 - 240 VAC	100 - 240 VAC	100 - 240 VAC

PRO ANALOG CAMERAS
 PRO ANALOG PTZ
 PRO DVR
 PRO IP CAMERAS
 PRO IP PTZ
 PRO NVR/HYBRID
 PRO ACCESSORIES

PRO





IP CUBE & BOX CAMERAS

PRO ANALOG CAMERAS
 PRO ANALOG PTZ
 PRO DVR
 PRO IP CAMERAS
 PRO IP PTZ
 PRO NVR/HYBRID
 PRO ACCESSORIES

	DS-2CD864F-EIW	DS-2CD864F-E	DS-2CD864FWD-E	DS-2CD853F-E
Model				
Description	1.3MP & Wi-Fi	1.3MP	1.3MP WDR & low-light	2MP
Image Sensor	1/3" Progressive Scan CMOS	1/3" Progressive CMOS	1/3" Progressive CMOS	1/3" Progressive CMOS
Min. Illumination	0.01Lux @ F1.2, AGC ON 0.028Lux @ F2.0, AGC ON 0 lux with IR	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: 0.5 Lux @ F1.2, AGC ON, 0.1 Lux @ F1.2, AGC ON, sens-up x 5 B/W: 0.05 Lux @ F1.2, AGC ON, 0.01 Lux @ F1.2, AGC ON, sens-up x 5
Lens	4 mm @ F2.0 Angle of view: 68°	C/CS mount DC drive	C/CS mount DC drive	C/CS mount DC drive
Day & Night	ICR	ICR	ICR	ICR
Video Compression	H.264/MPEG4/MJPEG	H.264/MPEG4/MJPEG	H.264/MPEG4/MJPEG	H.264/MPEG4/MJPEG
Max. Image Resolution	1280 x 960	1280 x 960	1280 x 960	1600 x 1200
Frame Rate (50 Hz)	25 fps (1280 x 960), 25 fps (1280 x 720)	25 fps (1280 x 960), 25 fps (1280 x 720)	25 fps (1280 x 960), 25 fps (1280 x 720)	12.5 fps (1600 x 1200), 12.5 fps (1600 x 912), 25 fps (1280 x 960), 25 fps (1280 x 720)
Power over Ethernet	Yes	Yes	Yes	Yes
Motion Detection	Yes	Yes	Yes	Yes
SD Card	SD slot up to 32GB	SD slot up to 32GB	SD slot up to 32GB	SD slot up to 32GB
Audio Input/Output	Yes	1/1	1/1	1/1
Alarm Input/Output	Yes	1/1	1/1	1/1
Other Features	15m IR, PIR, including wireless door contact and remote control	Low-light	120dB WDR	-

PRO


IP CUBE & BOX CAMERAS

	DS-2CD855F-E	DS-2CD854FWD-E	DS-2CD854F-E	DS-2CD883F-E
Model				
Description	2MP & Full HD & Low-light	3MP & Full HD & WDR	3MP & Full HD	5MP & Full HD
Image Sensor	1/3" Progressive CMOS	1/3" Progressive CMOS	1/2.5" Progressive CMOS	1/2.5" Progressive CMOS
Min. Illumination	Color: 0.05 Lux @ F1.2, AGC ON B/W: 0.005 Lux @ F1.2, AGC ON	Color: 0.1 Lux @ F1.2, AGC ON B/W: 0.01 Lux @ F1.2, AGC ON	Color: 0.6 Lux @ F1.2, AGC ON B/W: 0.08 Lux @ F1.2, AGC ON	Color: 0.6 Lux @ F1.2, AGC ON B/W: 0.08 Lux @ F1.2, AGC ON
Lens	C/CS mount DC drive	C/CS mount DC drive	C/CS mount DC drive	C/CS mount DC drive
Day & Night	ICR	ICR	ICR	ICR
Video Compression	H.264/MPEG4/MJPEG	H.264/MPEG4/MJPEG	H.264/MPEG4/MJPEG	H.264/MPEG4/MJPEG
Max. Image Resolution	1920 x 1080	2048 x 1536	2048 x 1536	2560 x 1920
Frame Rate (50 Hz)	25 fps (1920 x 1080)	12.5 fps (2048 x 1536), 25 fps (1920 x 1080), 25 fps (1280 x 720)	12.5 fps (2048 x 1536), 25 fps (1920 x 1080), 25 fps (1600 x 1200)	6.25 fps (2560 x 1920), 12.5 fps (2048 x 1536), 25 fps (1920 x 1080), 25 fps (1600 x 1200), 25 fps (1280 x 720)
Power over Ethernet	Yes	Yes	Yes	Yes
Motion Detection	Yes	Yes	Yes	Yes
SD Card	SD slot up to 32GB	SD slot up to 32GB	SD slot up to 32GB	SD slot up to 32GB
Audio Input/Output	1/1	1/1	1/1	1/1
Alarm Input/Output	1/1	1/1	1/1	1/1
Other Features	Low light, 3D DNR	3D DNR, 120dB WDR	-	-

PRO ANALOG CAMERAS
 PRO ANALOG PTZ
 PRO DVR
 PRO IP CAMERAS
 PRO IP PTZ
 PRO NVR/HYBRID
 PRO ACCESSORIES

PRO

IP DOME CAMERAS

	DS-2CD764FWD-E	DS-2CD764FWD-EI	DS-2CD753F-E	DS-2CD753F-EI	DS-2CD754F-E
Model					
Description	1.3MP & WDR & low-light	1.3MP & WDR & low-light	2MP	2MP	3MP & Full HD
Image Sensor	1/3" Progressive CMOS	1/3" Progressive CMOS	1/3" Progressive CMOS	1/3" Progressive CMOS	1/2.5" Progressive CMOS
Min. Illumination	0.01 Lux @ F1.2, AGC ON	0.01 Lux @ F1.2, AGC ON 0 Lux with IR	0.5 Lux @ F1.2, AGC ON, 0.1 Lux @ F1.2, AGC ON, sens-up x 5	0.5 Lux @ F1.2, AGC ON, 0.1 Lux @ F1.2, AGC ON, sens-up x 5 0 Lux with IR	0.6 Lux @ F1.2, AGC ON, 0.7 Lux @ F1.6, AGC ON
Lens	2.7 - 9 mm @ F1.2 Angle of view: 101° - 30.4°	2.7 - 9 mm @ F1.2 Angle of view: 101° - 30.4°	2.7 - 9 mm @ F1.2 Angle of view: 101° - 30.4°	2.7 - 9 mm @ F1.2 Angle of view: 101° - 30.4°	2.7 - 9 mm @ F1.6 Angle of view: 94.7° - 28.6°
Day & Night	Electronic	ICR	Electronic	ICR	Electronic
IR Distance	-	20m	-	20m	-
Video Compression	H.264/MPEG4/MJPEG	H.264/MPEG4/MJPEG	H.264/MPEG4/MJPEG	H.264/MPEG4/MJPEG	H.264/MPEG4/MJPEG
Max. Image Resolution	1280 x 960	1280 x 960	1600 x 1200	1600 x 1200	2048 x 1536
Frame Rate (50 Hz)	25 fps (1280 x 960), 25 fps (1280 x 720)	25 fps (1280 x 960), 25 fps (1280 x 720)	12.5 fps (1600 x 1200), 12.5 fps (1600 x 912), 25 fps (1280 x 960), 25 fps (1280 x 720)	12.5 fps (1600 x 1200), 12.5 fps (1600 x 912), 25 fps (1280 x 960), 25 fps (1280 x 720)	12.5 fps (2048 x 1536), 25 fps (1920 x 1080), 25 fps (1600 x 1200)
Power over Ethernet	Yes	Yes	Yes	Yes	Yes
Motion Detection	Yes	Yes	Yes	Yes	Yes
SD Card	SD slot up to 32GB	SD slot up to 32GB	SD slot up to 32GB	SD slot up to 32GB	SD slot up to 32GB
Audio Input/Output	1/1	1/1	1/1	1/1	1/1
alarm Input/Output	2/2	2/2	2/2	2/2	2/2
Weather-proof	-	-	-	-	-
Vandal-proof	Yes	Yes	Yes	Yes	Yes
Other Features	-	-	-	-	-

PRO
ANALOG
CAMERAS

PRO
ANALOG
PTZ

PRO
DVR

PRO
IP
CAMERAS

PRO
IP
PTZ

PRO
NVR/
HYBRID

PRO
ACCESSORIES

PRO

IP DOME CAMERAS

	DS-2CD754FWD-E	DS-2CD754FWD-EI	DS-2CD7255F-EIZH	DS-2CD7254F-EIZ	DS-2CD7254F-EIZH
Model					
Description	3MP & WDR	3MP & WDR	2MP & Full HD & Low-light	3MP & Full HD	3MP & Full HD
Image Sensor	1/3" Progressive CMOS	1/3" Progressive CMOS	1/3" Progressive CMOS	1/2.5" Progressive CMOS	1/2.5" Progressive CMOS
Min. Illumination	0.1 lux @ F1.6, AGC ON	0.1 lux @ F1.6, AGC ON 0 Lux with IR	0.05 Lux @ F1.2, AGC ON, 0.08 Lux @ F1.6, AGC ON.	0.6 lux Lux @ F1.2, AGC ON, 1 lux @ F1.6, AGC ON.	0.6 lux Lux @ F1.2, AGC ON, 1 lux @ F1.6, AGC ON.
Lens	2.7 - 9 mm @ F1.6 Angle of view: 101° - 30.4°	2.7 - 9 mm @ F1.6 Angle of view: 101° - 30.4°	2.7 - 9 mm @ F1.6 Angle of view: 101° - 30.4°	2.7 - 9 mm @ F1.6 Angle of view: 101° - 30.4°	2.7 - 9 mm @ F1.6 Angle of view: 101° - 30.4°
Day & Night	Electronic	ICR	ICR	ICR	ICR
IR Distance	-	20m	20-30m	20-30m	20-30m
Video Compression	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	2048 x 1536	1920 x 1080	2048 x 1536	2048 x 1536
Frame Rate (50 Hz)	12.5 fps (2048 x 1536), 25 fps (1920 x 1080), 25 fps (1600 x 1200)	12.5 fps (2048 x 1536), 25 fps (1920 x 1080), 25 fps (1600 x 1200)	25 fps (1920 x 1080)	12.5 fps (2048 x 1536), 25 fps (1920 x 1080), 25 fps (1600 x 1200)	12.5 fps (2048 x 1536), 25 fps (1920 x 1080), 25 fps (1600 x 1200)
Power over Ethernet	Yes	Yes	Yes	Yes	Yes
Motion Detection	Yes	Yes	Yes	Yes	Yes
SD Card	SD slot up to 32GB	SD slot up to 32GB	SD slot up to 32GB	SD slot up to 32GB	SD slot up to 32GB
Audio Input/Output	1/1	1/1	-/-	-/-	-/-
alarm Input/Output	2/2	2/2	-/-	-/-	-/-
Weather-proof	-	-	IP66, outdoor camera	IP66, outdoor camera	IP66, outdoor camera
Vandal-proof	Yes	Yes	Yes	Yes	Yes
Other Features	120dB WDR	120dB WDR	Motorized VF lens, Low light, 3D DNR, Built-in heater & fan	Motorized VF lens	Motorized VF lens Built-in heater & fan

PRO ANALOG CAMERAS
 PRO ANALOG PTZ
 PRO DVR
 PRO IP CAMERAS
 PRO IP PTZ
 PRO NVR/HYBRID
 PRO ACCESSORIES

PRO

IP BULLET CAMERAS

PRO
ANALOG
CAMERAS

PRO
ANALOG
PTZ

PRO
DVR

PRO
IP
CAMERAS

PRO
IP
PTZ

PRO
NVR/
HYBRID

PRO
ACCESSORIES

	DS-2CD864-EI3	DS-2CD8264F-EI	DS-2CD8264FWD-EI	DS-2CD8253F-EI	DS-2CD8253F-EIZ
Model					
Description	13MP	13MP & low-light	13MP WDR & low-light	2MP	2MP Motorized VF lens
Image Sensor	1/3" Progressive CMOS	1/3" Progressive CMOS	1/3" Progressive CMOS	1/3" Progressive CMOS	1/3" Progressive CMOS
Min. Illumination	0.01 Lux @ F1.2, AGC ON 0.028 Lux @ F2.0, AGC ON 0 lux with IR	0.01 Lux @ F1.2, AGC ON 0 lux with IR	0.01 Lux @ F1.2, AGC ON -I: 0 lux with IR	0.5 Lux @ F1.2, AGC ON, 0.1 Lux @ F1.2, AGC ON, sens-up x 5 0 lux with IR	0.5 Lux @ F1.2, AGC ON, 0.1 Lux @ F1.2, AGC ON, sens-up x 5 0 lux with IR
Lens	6 mm @ F2.0 Angle of view: 45.3°	2.7 - 9 mm @ F1.2 Angle of view: 101° - 30.4°	2.7 - 9 mm @ F1.2 Angle of view: 101° - 30.4°	2.7 - 9 mm @ F1.2 Angle of view: 101° - 30.4°	2.7 - 9 mm @ F1.2 Angle of view: 101° - 30.4°
Day & Night	ICR	ICR	ICR	ICR	ICR
IR Distance	Up to 30m	20-30m	20-30m	20-30m	20-30m
Video Compression	H.264/MPEG4/MJPEG	H.264/MPEG4/MJPEG	H.264/MPEG4/MJPEG	H.264/MPEG4/MJPEG	H.264/MPEG4/MJPEG
Max. Image Resolution	1280 x 960	1280 x 960	1280 x 960	1600 x 1200	1600 x 1200
Frame Rate (50 Hz)	25 fps (1280 x 960), 25 fps (1280 x 720)	25 fps (1280 x 960), 25 fps (1280 x 720)	25 fps (1280 x 960), 25 fps (1280 x 720)	12.5 fps (1600 x 1200), 12.5 fps (1600 x 912), 25 fps (1280 x 960), 25 fps (1280 x 720)	12.5 fps (1600 x 1200), 12.5 fps (1600 x 912), 25 fps (1280 x 960), 25 fps (1280 x 720)
Power over Ethernet	Yes	Yes	Yes	Yes	Yes
Motion Detection	Yes	Yes	Yes	Yes	Yes
Weather-proof	IP66	IP66	IP66	IP66	IP66
Other Features	-	-	120dB WDR	-	Motorized VF lens

PRO

IP BULLET CAMERAS

	2CD8255F-EI	2CD8255F-EIZ	DS-2CD8254F-EI	DS-2CD8254F-EIZ	DS-2CD8254FWD-EIZ
Model					
Description	2MP & Full HD & Low-light	2MP & Full HD & Low-light Motorized VF lens	3MP & low-light	3MP & low-light Motorized VF lens	3MP WDR & low-light Motorized VF lens
Image Sensor	1/3" Progressive Scan CMOS	1/3" Progressive Scan CMOS	1/2.5" Progressive CMOS	1/2.5" Progressive CMOS	1/2.5" Progressive CMOS
Min. Illumination	0.05 Lux @ F1.2, AGC ON *0.08 Lux @ F1.6, AGC ON 0 lux with IR	0.05 Lux @ F1.2, AGC ON *0.08 Lux @ F1.6, AGC ON 0 lux with IR	0.6 Lux @ F1.2, AGC on, 0.7 Lux @ F1.6, AGC on, 0 Lux with IR	0.6 Lux @ F1.2, AGC on, 0.7 Lux @ F1.6, AGC on, 0 Lux with IR	0.6 Lux @ F1.2, AGC on, 0.7 Lux @ F1.6, AGC on, 0 Lux with IR
Lens	2.7 - 9 mm @ F1.2 Angle of view: 101°-30.4°	2.7 - 9 mm @ F1.2 Angle of view: 101°-30.4°	2.7 - 9 mm @ F1.6 Angle of view: 94.7° - 28.6°	2.7 - 9 mm @ F1.6 Angle of view: 94.7° - 28.6°	2.7 - 9 mm @ F1.6 Angle of view: 94.7° - 28.6°
Day & Night	ICR	ICR	ICR	ICR	ICR
IR Distance	20 - 30m	20 - 30m	20-30m	20-30m	20-30m
Video Compression	H.264/MPEG4/MJPEG	H.264/MPEG4/MJPEG	H.264/MPEG4/MJPEG	H.264/MPEG4/MJPEG	H.264/MPEG4/MJPEG
Max. Image Resolution	1920 x 1080	1920 x 1080	2048 x 1536	2048 x 1536	2048 x 1536
Frame Rate (50 Hz)	25 fps (1920 x 1080)	25 fps (1920 x 1080)	12.5 fps (2048 x 1536), 25 fps (1920 x 1080), 25 fps (1600 x 1200)	12.5 fps (2048 x 1536), 25 fps (1920 x 1080), 25 fps (1600 x 1200)	12.5 fps (2048 x 1536), 25 fps (1920 x 1080), 25 fps (1600 x 1200)
Power over Ethernet	Yes	Yes	Yes	Yes	Yes
Motion Detection	Yes	Yes	Yes	Yes	Yes
Weather-proof	IP66	IP66	IP66	IP66	IP66
Other Features	-	Motorized VF lens	-	Motorized VF lens	120dB WDR, Motorized VF lens

PRO ANALOG CAMERAS
 PRO ANALOG PTZ
 PRO DVR
 PRO IP CAMERAS
 PRO IP PTZ
 PRO NVR/HYBRID
 PRO ACCESSORIES

PRO

IP SMART PTZ DOME CAMERAS

Model	DS-2DF1-534 (In-ceiling)	DS-2DF1-536 (In-ceiling)	DS-2DF1-538 (In-ceiling)	DS-2DF1-537-B (In-ceiling)
	DS-2DF1-504 (indoor) DS-2DF1-514 (outdoor)	DS-2DF1-506 (indoor) DS-2DF1-516 (outdoor)	DS-2DF1-508 (indoor) DS-2DF1-518 (outdoor)	DS-2DF1-507-B (indoor) DS-2DF1-517-B (outdoor)
Image Sensor	1/4" Sony Super HAD CCD	1/4" Sony Super HAD CCD	1/4" Sony Super HAD CCD	1/4" SONY EXview HAD Progressive ScanCCD
Max resolution	PAL: 25 fps (704x576)	PAL: 25 fps (704x576)	PAL: 25 fps (704x576)	PAL: 25 fps (704x576)
Video Compression	H.264/MJPEG	H.264/MJPEG	H.264/MJPEG	H.264/MJPEG
Optical/Digital zoom	23x (3.84 - 88.4 mm) / 16x	30x (3.5 - 105 mm) / 16x	36x (3.4 - 122.4 mm) / 16x	36x (3.4-122.4 mm) / 12x
Min. illumination	Color: 0.2 Lux @ F1.6 B/W: 0.02 lux@F1.6	Color: 0.2 Lux @ F1.4 B/W: 0.02 lux@F1.4	Color: 0.2 Lux @ F1.6 B/W: 0.02 lux@F1.6	Color: 1.4 Lux @ F1.6 B/W: 0.01 lux@F1.6
Day/Night	ICR	ICR	ICR	ICR
IR Distance	-	-	-	-
Wide Dynamic Range	Digital WDR	Digital WDR	Digital WDR	WDR
Digital Noise Reduction	3D DNR	3D DNR	3D DNR	3D DNR
Backlight Compensation	BLC	BLC	BLC	BLC
Privacy Masking	24	24	24	24
Pan Speed	Pan Manual Speed: 0.1° -300°/s, Pan Preset Speed: 540°/s	Pan Manual Speed: 0.1° -300°/s, Pan Preset Speed: 540°/s	Pan Manual Speed: 0.1° -300°/s, Pan Preset Speed: 540°/s	Pan Manual Speed: 0.1° -300°/s, Pan Preset Speed: 540°/s
Tilt speed	Tilt Manual Speed: 0.1°-240°/s, Tilt Preset Speed: 400°/s	Tilt Manual Speed: 0.1°-240°/s, Tilt Preset Speed: 400°/s	Tilt Manual Speed: 0.1°-240°/s, Tilt Preset Speed: 400°/s	Tilt Manual Speed: 0.1°-240°/s, Tilt Preset Speed: 400°/s
Pan range	360° endless	360° endless	360° endless	360° endless
Tilt range	-5° - 90°(Auto Flip)	-5° -185°(Auto Mirror)	-5°-185°(Auto Mirror)	-5°-185°(Auto Mirror)
Number of preset	256	256	256	256
Patrols / Patterns	8 / 4	8 / 4	8 / 4	8 / 4
Features	IP66 standard (outdoor version) Built-in SD/SDHC Slot. up to 32GB	IP66 standard (outdoor version) Built-in SD/SDHC Slot. up to 32GB	IP66 standard (outdoor version) Built-in SD/SDHC Slot. up to 32GB	IP66 standard (outdoor version) Built-in SD/SDHC Slot. up to 32GB Image Stabilization
Alarm Input/output	2 / 2	2 / 2	2 / 2	2 / 2
Power supply	24VAC	24VAC	24VAC	24VAC
Operating temperature	-10°C - 50°C (indoor) -30°C - 65°C (outdoor)	-10°C - 50°C (indoor) -30°C - 65°C (outdoor)	-10°C - 50°C (indoor) -30°C - 65°C (outdoor)	-10°C - 50°C (indoor) -30°C - 65°C (outdoor)

PRO
ANALOG
CAMERAS

PRO
ANALOG
PTZ

PRO
DVR

PRO
IP
CAMERAS




PRO
IP
PTZ

PRO
NVR/
HYBRID

PRO
ACCESSORIES

PRO

IP SMART PTZ DOME CAMERAS

Model	DS-2DF1-714	DS-2DF1-716	DS-2DF1-718	DS-2DF1-713-B	DS-2DF1-715-B
					
Image Sensor	1/4" Sony Super HAD CCD	1/4" Sony Super HAD CCD	1/4" Sony Super HAD CCD	1/4" SONY EXview HAD Progressive ScanCCD	1/4" SONY EXview HAD Progressive ScanCCD
Max resolution	PAL: 25 fps (704x576)	PAL: 25 fps (704x576)	PAL: 25 fps (704x576)	PAL: 25 fps (704x576)	PAL: 25 fps (704x576)
Video Compression	H.264/MJPEG	H.264/MJPEG	H.264/MJPEG	H.264/MJPEG	H.264/MJPEG
Optical/Digital zoom	23x (3.84 - 88.4 mm) / 16x	30x (3.5 - 105 mm) / 16x	36x (3.4 - 122.4 mm) / 16x	18x (4.1 - 73.8 mm) / 12x	28x (3.5 - 98 mm) / 12x
Min. illumination	Color: 0.2 Lux @ F1.6 B/W: 0.02 Lux @ F1.6 0 Lux with IR	Color: 0.2 Lux @ F1.4 B/W: 0.02 Lux @ F1.4 0 Lux with IR	Color: 0.2 Lux @ F1.6 B/W: 0.02 Lux @ F1.6 0 Lux with IR	Color: 0.7 Lux @ F1.4 B/W: 0.01 Lux @ F1.4 0 Lux with IR	Color: 0.65 Lux @ F1.35 B/W: 0.005 Lux @ F1.35 0 Lux with IR
Day/Night	ICR	ICR	ICR	ICR	ICR
IR Distance	Approx 80 meters	Approx 80 meters	Approx 80 meters	Approx 80 meters	Approx 80 meters
Wide Dynamic Range	Digital WDR	Digital WDR	Digital WDR	WDR	WDR
Digital Noise Reduction	3D DNR	3D DNR	3D DNR	3D DNR	3D DNR
Backlight Compensation	BLC	BLC	BLC	BLC	BLC
Privacy Masking	24	24	24	24	24
Pan Speed	Manual Speed: 0.1°-160°/s. Preset Speed: 240°/s	Manual Speed: 0.1°-160°/s. Preset Speed: 240°/s	Manual Speed: 0.1°-160°/s. Preset Speed: 240°/s	Manual Speed: 0.1°-160°/s. Preset Speed: 240°/s	Manual Speed: 0.1°-160°/s. Preset Speed: 240°/s
Tilt speed	Manual Speed: 0.1°-120°/s. Preset Speed: 200°/s	Manual Speed: 0.1°-120°/s. Preset Speed: 200°/s	Manual Speed: 0.1°-120°/s. Preset Speed: 200°/s	Manual Speed: 0.1°-120°/s. Preset Speed: 200°/s	Manual Speed: 0.1°-120°/s. Preset Speed: 200°/s
Pan range	360° endless	360° endless	360° endless	360° endless	360° endless
Tilt range	-10°-90° (Auto Flip)	-10°-90° (Auto Flip)	-10°-90° (Auto Flip)	-10°-90° (Auto Flip)	-10°-90° (Auto Flip)
Number of preset	256	256	256	256	256
Patrols / Patterns	8 / 4	8 / 4	8 / 4	8 / 4	8 / 4
Features	IP66 standard (outdoor version) Built-in SD/SDHC Slot, up to 32GB	IP66 standard (outdoor version) Built-in SD/SDHC Slot, up to 32GB	IP66 standard (outdoor version) Built-in SD/SDHC Slot, up to 32GB	IP66 standard (outdoor version) Built-in SD/SDHC Slot, up to 32GB	EIS, P66 standard (outdoor version) Built-in SD/SDHC Slot, up to 32GB
Alarm Input/output	2 / 2	2 / 2	2 / 2	2 / 2	2 / 2
Power supply	24VAC	24VAC	24VAC	24VAC	24VAC
Operating temperature	-30°C - 65°C (outdoor)	-30°C - 65°C (outdoor)	-30°C - 65°C (outdoor)	-30°C - 65°C (outdoor)	-30°C - 65°C (outdoor)

PRO ANALOG CAMERAS
 PRO ANALOG PTZ
 PRO DVR
 PRO IP CAMERAS
 PRO IP PTZ
 PRO NVR/HYBRID
 PRO ACCESSORIES

PRO

IP SMART PTZ DOME CAMERAS

PRO
ANALOG
CAMERAS

PRO
ANALOG
PTZ


PRO
DVR

PRO
IP
CAMERAS

PRO
IP
PTZ

PRO
NVR/
HYBRID

PRO
ACCESSORIES

	DS-2DF1-5732 (In-ceiling) DS-2DF1-5702 (indoor) DS-2DF1-572 (outdoor)	DS-2DF5274-A3	DS-2DF5274-A	DS-2DF5276-A3	DS-2DF5276-A
Model					
Image Sensor	1/3" Sony Progressive Scan CCD	1/3" Progressive Scan CMOS	1/3" Progressive Scan CMOS	1/3" Progressive Scan CMOS	1/3" Progressive Scan CMOS
Max resolution	PAL: 25 fps (1280x720)	PAL: 25 fps (1280x960)	PAL: 25 fps (1280x960)	PAL: 25 fps (1280x960)	PAL: 25 fps (1280x960)
Video Compression	H.264/MJPEG	H.264 / MJPEG / MPEG4	H.264 / MJPEG / MPEG4	H.264 / MJPEG / MPEG4	H.264 / MJPEG / MPEG4
Optical/Digital zoom	18x (4.7-84.6 mm) / 12x	20x (4.3 - 86.0 mm) / 16x	20x (4.3 - 86.0 mm) / 16x	30x (4.3 - 129.0 mm) / 16x	30x (4.3 - 129.0 mm) / 16x
Min. illumination	Color: 0.5 Lux @ F1.6 B/W: 0.02 Lux @ F1.6	Color: 0.05Lux @ F1.4 B/W: 0.005Lux @ F1.4	Color: 0.05Lux @ F1.4 B/W: 0.005Lux @ F1.4	Color : 0.05 lux/F1.6 B/W : 0.005 lux/F1.6	Color : 0.05 lux/F1.6 B/W : 0.005 lux/F1.6
Day/Night	ICR	ICR	ICR	ICR	ICR
IR Distance	-	-	-	-	-
Wide Dynamic Range	-	Digital WDR	Digital WDR	Digital WDR	Digital WDR
Digital Noise Reduction	-	3D-DNR	3D-DNR	3D DNR	3D DNR
Backlight Compensation	BLC	HLC / BLC	HLC / BLC	HLC / BLC	HLC / BLC
Privacy Masking	24	24	24	24	24
Pan Speed	Manual Speed: 0.1° -300°/s. Preset Speed: 540°/s	Manual Speed: 0.1° -300°/s. Preset Speed: 540°/s	Manual Speed: 0.1° -300°/s. Preset Speed: 540°/s	Manual Speed: 0.1° - 300°/s Preset Speed: 540°/s	Manual Speed: 0.1° - 300°/s Preset Speed: 540°/s
Tilt speed	Manual Speed: 0.1°-240°/s. Preset Speed: 400°/s	Manual Speed: 0.1°-240°/s. Preset Speed: 400°/s	Manual Speed: 0.1°-240°/s. Preset Speed: 400°/s	Manual Speed: 0.1° - 240°/s Preset Speed: 400°/s	Manual Speed: 0.1° - 240°/s Preset Speed: 400°/s
Pan range	360° endless	360° endless	360° endless	360° endless	360° endless
Tilt range	-5°-90°(Auto Flip)	-5° - 90° (Auto Flip)	-5° - 90° (Auto Flip)	-5° - 90° (Auto Flip)	-5° - 90° (Auto Flip)
Number of preset	256	256	256	256	256
Patrols / Patterns	8 / 4	8 / 4	8 / 4	8 / 4	8 / 4
Features	IP66 standard (outdoor version) Built-in SD/SDHC Slot, up to 32GB	Smart Tracking, ROI encoding, 3 streams. Built-in SD/SDHC Slot, up to 32GB	IP66 standard, Smart Tracking, ROI encoding, 3 streams, Built-in SD/SDHC Slot, up to 32GB	Smart Tracking, Defog, ROI encoding, 3 streams, Built-in SD/SDHC Slot, up to 32GB	Smart Tracking, Defog, ROI encoding, IP66 standard 3 streams, Built-in SD/SDHC Slot, up to 32GB
Alarm Input/output	2 (7 alarm inputs optional) / 2	7 / 2	7 / 2	7 / 2	7 / 2
Power supply	24VAC	24VAC	24VAC	24VAC	24VAC
Operating temperature	-10°C - 50°C (indoor) -30°C - 65°C (outdoor)	-10°C - 50°C (indoor)	-30°C - 65°C (outdoor)	-10°C - 50°C (indoor)	24 VAC: -30°C - 65°C

PRO

IP SMART PTZ DOME CAMERAS

	DS-2DF5284-A3	DS-2DF5284-A	DS-2DF5286-A3	DS-2DF5286-A
Model				
Image Sensor	1/3" Progressive Scan CMOS	1/3" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS
Max resolution	PAL: 25 fps at HD1080p resolution (1920x1080)	PAL: 25 fps at HD1080p resolution (1920x1080)	PAL: 25 fps at HD1080p resolution (1920x1080)	PAL: 25 fps at HD1080p resolution (1920x1080)
Video Compression	H.264 / MJPEG / MPEG4	H.264 / MJPEG / MPEG4	H.264/MJPEG/MPEG4, H.264 encoding with Baseline/Main/High profile	H.264/MJPEG/MPEG4, H.264 encoding with Baseline/Main/High profile
Optical/Digital zoom	20x (4.7 - 94 mm) / 20x	20x (4.7 - 94 mm) / 20x	30x (4.3 -129 mm) / 16x	30x (4.3 -129 mm) / 16x
Min. illumination	Color : 0.05 lux/F1.6 B/W : 0.005 lux/F1.6	Color : 0.05 lux/F1.6 B/W : 0.005 lux/F1.6	Color : 0.4 lux/F1.6 B/W : 0.005 lux/F1.6	Color : 0.4 lux/F1.6 B/W : 0.005 lux/F1.6
Day/Night	ICR	ICR	ICR	ICR
IR Distance	-	-	-	-
Wide Dynamic Range	Digital WDR	Digital WDR	Digital WDR	Digital WDR
Digital Noise Reduction	3D DNR	3D DNR	3D DNR	3D DNR
Backlight Compensation	BLC	BLC	HLC / BLC	HLC / BLC
Privacy Masking	24	24	24	24
Pan Speed	Manual Speed: 0.1° - 300°/s Preset Speed: 540°/s	Manual Speed: 0.1° - 300°/s Preset Speed: 540°/s	Manual Speed: 0.1° - 300°/s Preset Speed: 540°/s	Manual Speed: 0.1° - 300°/s Preset Speed: 540°/s
Tilt speed	Manual Speed: 0.1° - 240°/s Preset Speed: 400°/s	Manual Speed: 0.1° - 240°/s Preset Speed: 400°/s	Manual Speed: 0.1° - 240°/s Preset Speed: 400°/s	Manual Speed: 0.1° - 240°/s Preset Speed: 400°/s
Pan range	360° endless	360° endless	360° endless	360° endless
Tilt range	-5° - 90° (Auto Flip)	-5° - 90° (Auto Flip)	-5° - 90° (Auto Flip)	-5° - 90° (Auto Flip)
Number of preset	256	256	256	256
Patrols / Patterns	8 / 4	8 / 4	8 / 4	8 / 4
Features	Smart Tracking, ROI encoding, 3 streams, Built-in SD/SDHC Slot, up to 32GB	Smart Tracking, ROI encoding, 3 streams, Built-in SD/SDHC Slot, up to 32GB	Smart Tracking, Defog, ROI encoding, HLC, 3 streams, Built-in SD/SDHC Slot, up to 32GB	Smart Tracking, Defog, ROI encoding, HLC, 3 streams, Built-in SD/SDHC Slot, up to 32GB
Alarm Input/output	7 / 2	7 / 2	7 / 2	7 / 2
Power supply	24VAC	24VAC	24VAC	24VAC
Operating temperature	-10°C - 50°C (indoor)	-30°C - 65°C (outdoor)	-10°C - 50°C (indoor)	-30°C - 65°C (outdoor)

PRO ANALOG CAMERAS
 PRO ANALOG PTZ
 PRO DVR
 PRO IP CAMERAS
 PRO IP PTZ
 PRO NVR/HYBRID
 PRO ACCESSORIES

PRO





IP SMART PTZ DOME CAMERAS

	DS-2DF1-772	DS-2DF7274-A	DS-2DF7284-A	DS-2DF7276-A	DS-2DF7286-A
Model					
Image Sensor	1/3" Sony Progressive Scan CCD	1/3" Progressive Scan CMOS	1/3" Progressive Scan CMOS	1/3" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS
Max resolution	PAL: 25 fps at HD720p resolution (1280x720)	PAL: 25 fps (1280x960)	PAL: 25 fps at HD1080p resolution (1920x1080)	PAL: 25 fps (1280x960)	PAL: 25 fps at HD1080p resolution (1920x1080)
Video Compression	H.264 / MJPEG	H.264/MJPEG/MPEG4	H.264/MJPEG/MPEG4	H.264/MJPEG/MPEG4	H.264/MJPEG/MPEG4
Optical/Digital zoom	18x (4.7 - 84.6 mm) / 12x	20x (4.3 - 86.0 mm) / -	20x (4.7 - 94 mm) / 16x	30x (4.3 - 129 mm) / 16x	30x (4.3 - 129 mm) / 16x
Min. illumination	Color: 0.5 Lux @ F1.6 B/W: 0.02 Lux @ F1.6 0 Lux with IR	Color: 0.05Lux @ F1.4 B/W: 0.005 Lux @ F1.6 0 Lux with IR	Color: 0.05Lux @ F1.6 B/W: 0.005Lux @ F1.6 0 Lux with IR	Color: 0.05 Lux @ F1.6 B/W: 0.005 Lux @ F1.6 0 Lux with IR	Color: 0.4 Lux @ F1.6 B/W: 0.03 Lux @ F1.6 0 Lux with IR
Day/Night	ICR	ICR	ICR	ICR	ICR
IR Distance	100 m Smart IR	120 m Smart IR	120 m Smart IR	120 m Smart IR	120 m Smart IR
Wide Dynamic Range	-	Digital WDR	Digital WDR	Digital WDR	Digital WDR
Digital Noise Reduction	-	3D-DNR	3D-DNR	3D-DNR	3D-DNR
Backlight Compensation	BLC	BLC	BLC	HLC/BLC	HLC/BLC
Privacy Masking	24	24	24	24	24
Pan Speed	Pan Manual Speed: 0.1° -160°/s, Pan Preset Speed: 240°/s	Pan Manual Speed: 0.1° -160°/s, Pan Preset Speed: 160°/s	Pan Manual Speed: 0.1° -160°/s, Pan Preset Speed: 160°/s	Pan Manual Speed: 0.1° -160°/s, Pan Preset Speed: 160°/s	Pan Manual Speed: 0.1° -160°/s, Pan Preset Speed: 240°/s
Tilt speed	Tilt Manual Speed: 0.1°-120°/s, Tilt Preset Speed: 200°/s	Tilt Manual Speed: 0.1°-120°/s, Tilt Preset Speed: 120°/s	Tilt Manual Speed: 0.1°-120°/s, Tilt Preset Speed: 120°/s	Tilt Manual Speed: 0.1°-120°/s, Tilt Preset Speed: 120°/s	Tilt Manual Speed: 0.1°-120°/s, Tilt Preset Speed: 200°/s
Pan range	360° endless	360° endless	360° endless	360° endless	360° endless
Tilt range	-10°-90°(Auto Flip)	-2°-90°(Auto Flip)	-2°-90°(Auto Flip)	-2°-90°(Auto Flip)	-2°-90°(Auto Flip)
Number of preset	256	256	256	256	256
Patrols / Patterns	8 / 4	8 / 4	8 / 4	8 / 4	8 / 4
Features	3 streams, Built-in SD/SDHC Slot, up to 32GB	IP66 rating, Smart Tracking, ROI encoding, 3 streams, Built-in SD/SDHC Slot, up to 32GB	IP66 rating, Smart Tracking, ROI encoding, 3 streams, Built-in SD/SDHC Slot, up to 32GB	IP66 rating, ROI encoding, Smart Tracking, Smart Defog, 3 streams, Built-in SD/SDHC Slot, up to 32GB	IP66 rating, ROI encoding, Smart Tracking, Smart Defog, 3 streams, Built-in SD/SDHC Slot, up to 32GB
Alarm Input/output	2 / 2	2 / 2	2 / 2	2 / 2	2 / 2
Power supply	24VAC/3A	24VAC/3A	24VAC/3A	24VAC/3A	24VAC/3A
Operating temperature	-30°C - 65°C	-30°C - 65°C	-30°C - 65°C	-30°C - 65°C	-30°C - 65°C

PRO ANALOG CAMERAS
 PRO ANALOG PTZ
 PRO DVR
 PRO IP CAMERAS
 PRO IP PTZ
 PRO NVR/HYBRID
 PRO ACCESSORIES

PRO


NVRs

	DS-7716NI-ST	DS-7732NI-ST	DS-9516NI-ST	DS-9532NI-ST
Model				
IP Video Input	Up to 16-ch, (80Mbps Bit Rate Input Max)	Up to 32-ch, (160Mbps Bit Rate Input Max)	Up to 16-ch, (80Mbps Bit Rate Input Max)	Up to 32-ch, (160Mbps Bit Rate Input Max)
Video Compression	-	-	-	-
Audio Compression	-	-	-	-
Video Output	1-ch HDMI, 1-ch VGA, 1-ch BNC	1-ch HDMI, 1-ch VGA, 1-ch BNC	-	-
Audio Input/Output	2-ch	2-ch	-	-
Two-way Audio	1-ch	1-ch	-	-
Real-time Recording Resolution	Up to 5 Megapixels	Up to 5 Megapixels	Up to 5 Megapixels (2560x1920) recording resolution.	Up to 5 Megapixels (2560x1920) recording resolution.
HDMI Output Resolution	Up to 1080P	Up to 1080P	-	-
VGA Output Resolution	Up to 1080P	Up to 1080P	-	-
RAID	-	-	-	-
Synchronous Playback	16-ch	16-ch	-	-
Alarm Input/Output	16/4	16/4	16/4	16/4
Network Interface	1, RJ45 10M/100M/1000M adaptive Ethernet interface for 2HDDs +1 DVD-R/W	1, RJ45 10M/100M/1000M adaptive Ethernet interface for 2HDDs +1 DVD-R/W	2, RJ45 10M/100M/1000M adaptive Ethernet interface	2, RJ45 10M/100M/1000M adaptive Ethernet interface
PoE Network Interfaces/ Built-in Switch	-	-	-	-
HDD Interface	4 SATA interfaces	4 SATA interfaces	8 SATA interfaces	8 SATA interfaces
eSATA	1eSATA	1eSATA	1eSATA	1eSATA
USB Interface	3, USB2.0	3, USB2.0	3, USB2.0	3, USB2.0
Chassis	19-inch rack-mounted 1.5U	19-inch rack-mounted 1.5U	19-inch rack-mounted 2U chassis	19-inch rack-mounted 2U chassis
Power Supply	100 - 240 VAC	100 - 240 VAC	100-240VAC, 6.3A, 50-60Hz	100-240VAC, 6.3A, 50-60Hz

PRO ANALOG CAMERAS
 PRO ANALOG PTZ
 PRO DVR
 PRO IP CAMERAS
 PRO IP PTZ
 PRO NVR/HYBRID
 PRO ACCESSORIES

PRO

HYBRID DVRs

	DS-7604HI-ST	DS-7608HI-ST	DS-7616HI-ST	DS-8016HFI-ST	DS-9016HFI-ST
Model					
IP Video Input	Up to 8-ch, (20Mbps Bit Rate Input Max)	Up to 16-ch, (40Mbps Bit Rate Input Max)	Up to 32-ch, (80Mbps Bit Rate Input Max)	Up to 32-ch, (80Mbps Bit Rate Input Max)	Up to 32-ch, (80Mbps Bit Rate Input Max)
Video Compression	H.264	H.264	H.264	H.264	H.264
Audio Compression	G.711	OggVorbis	OggVorbis	OggVorbis	OggVorbis
Video Input/Output	Input: 4-ch, 1-ch HDMI, 1-ch VGA, 1-ch BNC	Input: 8-ch, 1-ch HDMI, 1-ch VGA, 1-ch BNC	Input: 16-ch, 1-ch HDMI, 1-ch VGA, 1-ch BNC	Input: 16-ch, 1-ch HDMI, 1-ch VGA, 2-ch BNC	Input: 16-ch, 1-ch HDMI, 1-ch VGA, 2-ch BNC
Audio Input/Output	4-ch/1-ch	4-ch/1-ch	4-ch/1-ch	16-ch/2-ch	16-ch/2-ch
Two-way Audio	1-ch	1-ch	1-ch	1-ch	1-ch
Real-time Recording Resolution	Up to 5 Megapixels	Up to 5 Megapixels	Up to 5 Megapixels	Up to 5 Megapixels	Up to 5 Megapixels
HDMI Output Resolution	Up to 1080P	Up to 1080P	Up to 1080P	Up to 1080P	Up to 1080P
VGA Output Resolution	Up to 1080P	Up to 1080P	Up to 1080P	Up to 1080P	Up to 1080P
Video Loop Out	-	-	-	-	16-ch
Synchronous Playback	8-ch	16-ch	16-ch	16-ch	16-ch
RAID	-	-	-	-	-
Alarm Input/Output	-	-	-	16/4	16/4
Network Interface	1, RJ45 10M/100M/1000M adaptive Ethernet interface	1, RJ45 10M/100M/1000M adaptive Ethernet interface	1, RJ45 10M/100M/1000M adaptive Ethernet interface	2, RJ45 10M/100M/1000M adaptive Ethernet interface	2, RJ45 10M/100M/1000M adaptive Ethernet interface
HDD Interface	1 SATA interface	2 SATA interfaces	2 SATA interfaces	8 SATA interfaces	8 SATA interfaces
eSATA	-	-	-	1 eSATA	1 eSATA
USB Interface	2, USB2.0	2, USB2.0	2, USB2.0	3, USB2.0	3, USB2.0
Chassis	Stand-alone 1U	19-inch rack-mounted 1U	19-inch rack-mounted 1U	19-inch rack-mounted 2U	19-inch rack-mounted 2U
Power Supply	12VDC	12VDC	12VDC	100 - 240 VAC	100 - 240 VAC

PRO
ANALOG
CAMERAS

PRO
ANALOG
PTZ

PRO
DVR

PRO
IP
CAMERAS

PRO
IP
PTZ



PRO
NVR/
HYBRID

PRO
ACCESSORIES

PRO ENCODERS & DECODERS

	DS-6101HFI-IP-A	DS-6701HFI	DS-6704HFI
Model			
Video Input/output	1 channel	1 channel	4 channel
Video Compression	H.264	H.264/MPEG4/MPEG2/MJPEG	H.264/MPEG4/MPEG2/MJPEG
Audio Compression	OggVorbis	G.711u	G.711u
Audio Input/Output	1-ch/1-ch	1-ch/1-ch	4-ch/1-ch
Two-way Audio	1-ch	1-ch	1-ch
Real-time Encoding/Decoding Resolution	4CIF/2CIF/CIF/QCIF	4CIF/2CIF/CIF/QCIF	4CIF/2CIF/CIF/QCIF
HDMI Output Resolution	-	-	-
VGA Output Resolution	-	-	-
Stream Type	Video/Video & Audio	Video/Video & Audio	Video/Video & Audio
Alarm Input/Output	1/1	1/1	4/2
Network Interface	1, RJ45 10M/100M adaptive Ethernet interface	1, RJ45 10M/100M adaptive Ethernet interface(PoE)	1, RJ45 10M/100M adaptive Ethernet interface(PoE)
Data Storage	-	1, MicroSD	1, MicroSD
Chassis	120x70x45 mm	80x39x90 mm	114x48x128 mm
Power Supply	12 VDC	12 VDC	12 VDC





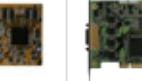



PRO KEYBOARDS

	DS-1003KI	DS-1100KI
Model		
Control Mode	RS-485 half-duplex mode	IP-based
LCD	128 x 64 mm	7" TFT LCD 800 x 480 mm
Joystick	3-axis	3-axis
Audio Input/Output	-	1/1
USB Interface	-	1, USB2.0
Power Supply	12 VDC	12 VDC
Size	360 x 200 x 108mm	110 (H) x 193 (W) x 435 mm (D)
Weight	3.3 Kg	2 Kg

PRO ANALOG CAMERAS
 PRO ANALOG PTZ
 PRO DVR
 PRO IP CAMERAS
 PRO IP PTZ
 PRO NVR/HYBRID
 PRO ACCESSORIES

PRO

COMPRESSION CARDS

	DS-4304HFHI-E	DS-4308HCVI-E	DS-4316HCVI-E	DS-4308HFVI-E	DS-4316HFVI-E	DS-4002MDI+	DS-4004MDI+	DS-4101HDI
Model								
Video Compression	H.264	H.264	H.264	H.264	H.264	-	-	-
Video Decoding	-	-	-	-	-	H.264	H.264	H.264
Audio Compression	OggVorbis, 16Kbps	OggVorbis, 16Kbps	OggVorbis, 16Kbps	OggVorbis, 16Kbps	OggVorbis, 16Kbps	-	-	-
Audio Decoding	-	-	-	-	-	OggVorbis, 16Kbps	OggVorbis, 16Kbps	OggVorbis, 16Kbps
Video Input/Output	4-ch BNC(HD-SDI)/ 1-ch HDMI	8-ch BNC/1-ch BNC	16-ch BNC/1-ch BNC	8-ch BNC/1-ch BNC	16-ch BNC/1-ch BNC	-/2-ch BNC	-/4-ch BNC	-/1-chBNC, 1-ch HDMI, 1-ch DVI/VGA, 1-ch YPbPr
Audio Input/Output	4-ch BNC/-	8-ch BNC/1-ch BNC	16-ch BNC/1-ch BNC	8-ch BNC/1-ch BNC	16-ch BNC/1-ch BNC	-/2-ch BNC	-/4-ch BNC	-/1-ch BNC
Encoding/Decoding/Recording Resolution	1080P/4CIF/ DCIF/2CIF/CIF/QCIF	4CIF/DCIF/ 2CIF/CIF/QCIF	4CIF/DCIF/ 2CIF/CIF/QCIF	4CIF/DCIF/ 2CIF/CIF/QCIF	4CIF/DCIF/ 2CIF/CIF/QCIF	4CIF/DCIF/ 2CIF/CIF/QCIF	4CIF/DCIF/ 2CIF/CIF/QCIF	1080P/4CIF/ DCIF/2CIF/CIF/QCIF
Frame Rate	25F/s(PAL), 30F/s(NTSC)	25F/s(PAL), 30F/s(NTSC)	25F/s(PAL), 30F/s(NTSC)	25F/s(PAL), 30F/s(NTSC)	25F/s(PAL), 30F/s(NTSC)	25F/s(PAL), 30F/s(NTSC)	25F/s(PAL), 30F/s(NTSC)	25F/s(PAL), 30F/s(NTSC)
Stream Type	Video/Video&Audio	Video/Video&Audio	Video/Video&Audio	Video/Video&Audio	Video/Video&Audio	Video/Video&Audio	Video/Video&Audio	Video/Video&Audio
PCI Standard	PCI-Ex1 2.0	PCI-Ex1 2.0	PCI-Ex1 2.0	PCI-Ex1 2.0	PCI-Ex1 2.0	PCI2.2	PCI2.2	PCI2.2

PRO
ANALOG
CAMERAS

PRO
ANALOG
PTZ

PRO
DVR

PRO
IP
CAMERAS

PRO
IP
PTZ

PRO
NVR/
HYBRID

PRO
ACCESSORIES

HIKVISION



Product Quick Guide

V2013Q4

HIKVISION *Europe*

Parellaan 24, 2132 WS Hoofddorp, The Netherlands - Tel. +31 23 5542770, fax +31 23 5631112
General e-mail: saleseuro@hikvision.com - technical support: supporteuro@hikvision.com

www.hikvision.com