

						
Model	HDW1431T1-A-S4	HFW1530S-S6	HFW2441S-S	HDW2441T-S	HFW2441T-ZS	HDBW2441R-ZS
Type	IPC IR Eyeball	IPC IR Bullet	IPC IR Bullet	IPC IR Eyeball	IPC IR Bullet	IPC IR Dome
Sensor Type	Progressive CMOS	Progressive CMOS	Progressive CMOS	Progressive CMOS	Progressive CMOS	Progressive CMOS
Resolution/Size	4MP 1/3"	5MP 1/2.9"	4MP 1/2.9"	4MP 1/2.9"	4MP 1/2.9"	4MP 1/2.9"
Lens Res/FL/Type	4MP 3.6mm fixed/M12	5MP 3.6mm fixed/M12	4MP 3.6mm fixed/M12	4MP 2.8mm fixed/M12	4MP 2.7-13.5mm Motorized/M12	4MP 2.7-13.5mm Motorized/M12
Max fps	4MP@20fps	4MP@30fps	5MP@25fps	4MP@20fps	4MP@30fps	4MP@20fps
Effective Pixels	2688(H)x1520(V)	2560(H)x1440(V)	2880(H)x1620(V)	2688(H)x1520(V)	2560(H)x1440(V)	2688(H)x1520(V)
Aperture	0.03 lux@F2.0 Color	0.03 Lux@F2.0 Color	0.006 Lux@F1.6 Color	0.006 Lux@F1.6 Color	0.006 Lux@F1.5 Color	0.008 Lux@F1.5 Color
Min Illumination	0.003 lux@F2.0 B/W	0.003 Lux@F2.0 B/W	0.0006 Lux@F1.6 B/W	0.0006 Lux@F1.6 B/W	0.0006 Lux@F1.5 B/W	0.0008 Lux@F1.5 B/W
Illumination Type						
Light Distance	30m	30m	30m	30m	4 IR LEDs/60m	2 IR LEDs/40m
Day/Night	Auto(ICR)/Color/B/W/SNR>56dB	Auto(ICR)/Color/B/W/SNR>56dB	#UNKNOWN!	#UNKNOWN!	#UNKNOWN!	#UNKNOWN!
HFoV	81°	92°	78°	95°	104°-29°	104°-29°
DORI Distance	Detect: 80m Recognize: 16m Observe: 32m Identify: 8m	Detect: 76m Recognize: 15.2m Observe: 30.4m Identify: 7.6m	Detect: 84.5m Recognize: 17.1m Observe: 34.2m Identify: 8.5m	Detect: 63.6m Recognize: 12.7m Observe: 25.4m Identify: 6.4m	Detect:64-210m Recognize:12.8-42m Observe:25.6-84m Identify:6.4-21m	Detect:64-210m Recognize:12.8-42m Observe:25.6-84m Identify:6.4-21m
CFD	1.4m	1.3m	1.6m	0.9m	0.8m	0.8m
Image Enhancement	True WDR 120db, BLC, HLC, 3D DNR, AWB, AGC, Fixed IRIS, Rol, Privacy Area	DWDR, BLC, HLC, 3D DNR, AWB, AGC, Fixed IRIS, Rol, Privacy Area	True WDR 120db, BLC, HLC, 3D DNR, AWB, AGC, Fixed IRIS, Rol, Privacy Area	True WDR 120db, BLC, HLC, 3D DNR, AWB, AGC, Fixed IRIS, Rol, Privacy Area	True WDR 120db, BLC, HLC, 3D DNR, AWB, AGC, Fixed IRIS, Rol, Privacy Area	True WDR 120db, BLC, HLC, 3D DNR, AWB, AGC, Fixed IRIS, Rol, Privacy Area
Video Compression	Smart H.265+, MJPEG(Sub Stream), Dual Stream	Smart H.265+, MJPEG(Sub Stream), Dual Stream	Smart H.265+, MJPEG(Sub Stream), Dual Stream	Smart H.265+, MJPEG(Sub Stream), Dual Stream	Smart H.265+, MJPEG(Sub Stream), Dual Stream	Smart H.265+, MJPEG(Sub Stream), Dual Stream
Ai & Detection Features	Motion Detection, Video Tampering, Audio Detection, Network Detection IP Conflict Detection, Illegal Access Detection	Motion Detection, Video Tampering, Audio Detection, Network Detection IP Conflict Detection, Illegal Access Detection	 SMD+, IVS: Intrusion, Tripwire by Deep Learning	 SMD+, IVS: Intrusion, Tripwire by Deep Learning	 SMD+, IVS: Intrusion, Tripwire by Deep Learning	 SMD+, IVS: Intrusion, Tripwire by Deep Learning
LAN User Bandwidth	RJ-45(10/100 Base-T) 20 Users 36Mbps	RJ-45(10/100 Base-T) 6 Users 48Mbps	RJ-45(10/100 Base-T) 6 Users 36Mbps	RJ-45(10/100 Base-T) 6 Users 36Mbps	RJ-45(10/100 Base-T) 6 Users 36Mbps	RJ-45(10/100 Base-T) 6 Users 36Mbps
Access Protocols	Onvif(S, T, G), SDK, API, CGI, Genetc, P2P	Onvif(S, T, G), SDK, API, CGI, Genetc, Milestone, P2P	Onvif(S, T, G), SDK, API, CGI, Genetc, Milestone, P2P	Onvif(S, T, G), SDK, API, CGI, Genetc, Milestone, P2P	Onvif(S, T, G), SDK, API, CGI, Genetc, Milestone, P2P	Onvif(S, T, G), SDK, API, CGI, Genetc, Milestone, P2P
Audio Compression	G.711a, G.711Mu, G.726	G.711a, G.711Mu, G.726, PCM	N/A	G.711a, G.711Mu, G.726, PCM	G.711a, G.711Mu, G.726	G.711a, G.711Mu, G.726
Audio in/out	Built-in MIC	Built-in MIC	N/A	Built-in MIC	Built-in MIC	Built-in MIC
Alarm in/out	N/A	N/A	N/A	N/A	N/A	N/A
Storage	FTP, SFTP, NAS	FTP	Micro SD 256GB, Dahua Cloud, FTP, SFTP, NAS	Micro SD 256GB, Dahua Cloud, FTP, SFTP, NAS	Micro SD 256GB, Dahua Cloud, FTP, SFTP, NAS	Micro SD 256GB, Dahua Cloud, FTP, SFTP, NAS
ROM/RAM	128MB/128MB	16MB/128MB	128MB/128MB	128MB/128MB	128MB/128MB	128MB/128MB
Case Material	Metal+Plastic	Metal	Metal	Metal+Plastic	Metal	Metal
H/S Protection	IP67/4KV Lightning, Cyber Security	IP67/4KV Lightning, Cyber Security	IP67/4KV Lightning, Cyber Security	IP67/4KV Lightning, Cyber Security	IP67/IK10 4KV Lightning, Cyber Security	IP67/IK10 4KV Lightning, Cyber Security
Power	±30%DC12V/1.9W-Max 3.8W PoE(802.3af)2.9W-Max 5.0W	±30%DC12V/1.9W-Max 3.9W PoE(802.3af)2.3W-Max 4.5W	±30%DC12V/2.5W-Max 4.2W PoE(802.3af)3.3W-Max 5.1W	±30%DC12V/2.5W-Max 4.2W PoE(802.3af)3.3W-Max 5.1W	±30%DC12V/2.4W-Max 8.7W PoE(802.3af)3.1W-Max 10.1W	±30%DC12V/2.3W-Max 6.4W PoE(802.3af)3.2W-Max 7.6W
Temp/Humidity	-40°C ~ +55°C/95%	-40°C ~ +60°C/95%	-40°C ~ +60°C/95%	-40°C ~ +60°C/95%	-30°C ~ +60°C/95%	-30°C ~ +60°C/95%
Price	129,900,000	141,400,000	152,800,000	153,900,000	294,000,000	285,000,000

						
Model	HFV2541T-AS-S2	HFV2841T-ZS	HFV3441T-ZS	HFV3541T-ZS	HDBW3441E-AS	HDBW3541E-S-S2
Type	IPC IR Bullet	IPC IR Bullet	IPC IR Bullet	IPC IR Bullet	IPC IR Dome	IPC IR Dome
Sensor Type	Progressive CMOS	Progressive CMOS	Progressive CMOS	Progressive CMOS	Progressive CMOS	Progressive CMOS
Resolution/Size	5MP 1/2.7"	8MP 1/2.7"	4MP 1/2.9"	5MP 1/2.7"	4MP 1/3"	5MP 1/2.7"
Lens Res/FL/Type	5MP 3.6mm fixed/M12	4K 2.7-13.5mm Motorized/φ14	4MP 2.7-13.5mm Motorized/φ14	5MP 2.7-13.5mm Motorized/φ14	4MP 2.8mm Fixed/M12	5MP 2.8mm Fixed/M12
Max fps	5MP@20fps	4k@20fps	4MP@30fps	5MP@20fps	4MP@30fps	5MP@20fps
Effective Pixels	2592Hx1944V	3840Hx2160V	2688Hx1520V	2960Hx1668V	2688Hx1520V	2960Hx1668V
Aperture	0.007 Lux@F1.6 Color	0.008 Lux@F1.5 Color	0.005 Lux@F1.5 Color	0.005 Lux@F1.5 Color	0.005 Lux@F1.6 Color	0.005 Lux@F1.4 Color
Min Illumination	0.0007 Lux@F1.6 B/W	0.0008 Lux@F1.5 B/W	0.0005 Lux@F1.5 B/W	0.0005 Lux@F1.5 B/W	0.0005 Lux@F1.6 B/W	0.0005 Lux@F1.4 B/W
Illumination Type						
Light Distance	4 IR LEDs/80m	4 IR LEDs/60m	4 IR LEDs/60m	4 IR LEDs/60m	3 IR LEDs/50m	3 IR LEDs/50m
Day/Night	#UNKNOWN!	#UNKNOWN!	#UNKNOWN!	#UNKNOWN!	#UNKNOWN!	#UNKNOWN!
HFoV	92°	113°-31°	104°-29°	99°-28°	103°	111°
DORI Distance	Detect: 85.4m Observe: 34.2m Recognize: 17.1m Identify: 8.5m	Detect: 83.5-280m Observe: 34.1-112m Recognize: 17.1-56m Identify: 8.5-28m	Detect: 64-210m Observe: 25.6-84m Recognize: 12.8-42m Identify: 6.4-21m	Detect: 64-210m Observe: 25.6-84m Recognize: 12.8-42m Identify: 6.4-21m	Detect: 56m Observe: 22.4m Recognize: 11.2m Identify: 5.6m	Detect: 63.6m Observe: 25.4m Recognize: 12.7m Identify: 6.4m
CFD	1.7M	0.8m	0.8m	0.8m	0.9m	1.1m
Image Enhancement	True WDR 120db, BLC, HLC, 3D DNR, AWB, AGC, Fixed IRIS, Rol, Privacy Area	True WDR 120db, BLC, HLC, 3D DNR, AWB, AGC, Fixed IRIS, Rol, Privacy Area	EIS, Defog, AFSA, Ai SSA, True WDR 120db, BLC, HLC, 3D DNR, AWB, AGC, Fixed IRIS, Rol, Privacy Area	EIS, Defog, AFSA, Ai SSA, True WDR 120db, BLC, HLC, 3D DNR, AWB, AGC, Fixed IRIS, Rol, Privacy Area	True WDR 120db, BLC, HLC, 3D DNR, AWB, AGC, Fixed IRIS, Rol, Privacy Area	True WDR 120db, BLC, HLC, 3D DNR, AWB, AGC, Fixed IRIS, Rol, Privacy Area
Video Compression	Smart H.265+, MJPEG(Sub Stream), Dual Stream	Smart H.265+, MJPEG(Sub Stream), Dual Stream	Ai Coding, Smart H.265+, MJPEG(Sub Stream), Triple Stream	Ai Coding, Smart H.265+, MJPEG(Sub Stream), Triple Stream	Smart H.265+, MJPEG(Sub Stream), Triple Stream	Smart H.265+, MJPEG(Sub Stream), Triple Stream
Ai & Detection Features	 SMD+, IVS: Intrusion, Tripwire by Deep Learning	 SMD+, IVS: Intrusion, Tripwire by Deep Learning	 Quick Pick, SMD 4.0, IVS, Scene Change, Service Life, DeFocus, Audio Detection	 Quick Pick, SMD 4.0, IVS, Scene Change, Service Life, DeFocus, Audio Detection	 SMD+, IVS: Intrusion, Tripwire by Deep Learning, Scene Change	 Quick Pick, SMD 4.0, IVS, Scene Change, Service Life, DeFocus, Audio Detection
LAN/User Bandwidth	RJ-45(10/100 Base-T) 20 Users, 48Mbps	RJ-45(10/100 Base-T) 20 Users, 48Mbps	RJ-45(10/100 Base-T) 20 Users, 64Mbps	RJ-45(10/100 Base-T) 20 Users, 64Mbps	RJ-45(10/100 Base-T) 20 Users, 64Mbps	RJ-45(10/100 Base-T) 20 Users, 64Mbps
Access Protocols	Onvif(S, T, G), SDK, API, CGI, Genetc, Milestone, P2P	Onvif(S, T, G), SDK, API, CGI, Genetc, Milestone, P2P	Onvif(S, T, G), SDK, API, CGI, Genetc, Milestone, P2P	Onvif(S, T, G), SDK, API, CGI, Genetc, Milestone, P2P	Onvif(S, T, G), SDK, API, CGI, Genetc, Milestone, P2P	Onvif(S, T, G), SDK, API, CGI, Genetc, Milestone, P2P
Audio Compression	G.711a, G.711Mu, G.726, PCM	G.711a, G.711Mu, G.726, PCM	G.711a, G.711Mu, G.726, G.723, PCM	G.711a, G.711Mu, G.726, G.723, PCM	G.711a, G.711Mu, G.726	G.711a, G.711Mu, G.726
Audio in/out	1/1 + Built-in M C	Built-in M C	Built-in M C	Built-in M C	1/1	Built-in M C
Alarm in/out	1/1 5mA 3V-5VDC/300mA 12VDC	N/A	N/A	N/A	1/1 5mA 3V-5VDC/300mA 12VDC	1/1 5mA 3V-5VDC/300mA 12VDC
Storage	Micro SD 256GB, Dahua Cloud, FTP, SFTP, NAS	Micro SD 256GB, Dahua Cloud, FTP, SFTP, NAS	Micro SD 256GB, Dahua Cloud, FTP, SFTP, NAS	Micro SD 512GB, Dahua Cloud, FTP, SFTP, NAS	Micro SD 256GB, Dahua Cloud, FTP, SFTP, NAS	Micro SD 512GB, Dahua Cloud, FTP, SFTP, NAS
ROM/RAM	128MB/256MB	128MB/256MB	128MB/512MB	128MB/512MB	128MB/512MB	128MB/512MB
Case Material	Metal	Metal	Metal	Metal	Metal	Metal
H/S Protection	IP67/IK10 4KV Lightning, Cyber Security	IP67/IK10 4KV Lightning, Cyber Security	IP67 4KV Lightning, Cyber Security	IP67 4KV Lightning, Cyber Security	IP67/IK10 4KV Lightning, Cyber Security	IP67/IK10 4KV Lightning, Cyber Security
Power	±30%DC12V/2.2W-Max 7.4W PoE(802.3af)3.1W-Max 8.8W	±30%DC12V/2.7W-Max 8.3W PoE(802.3af)3.6W-Max 9.6W	±30%DC12V/2.8W-Max 7.9W PoE(802.3af)3.6W-Max 9.2W	±30%DC12V/2.8W-Max 7.4W PoE(802.3af)3.4W-Max 8.5W	±30%DC12V/2.2W-Max 7.3W PoE(802.3af)3.1W-Max 8.8W	±30%DC12V/4W-Max 8.5W PoE(802.3af)4.9W-Max 9.7W
Temp/Humidity	-40°C ~ +60°C/95%	-30°C ~ +60°C/95%	-30°C ~ +60°C/95%	-30°C ~ +60°C/95%	-40°C ~ +60°C/95%	-40°C ~ +60°C/95%
Price	260,000,000	405,000,000	337,000,000	403,000,000	209,500,000	260,000,000



Model	HFWS541E-ZE-S3	HDBW5541E-ZE-S3	HFWS442E-ZE
Type	IPC IR Bullet	IPC IR Dome	IPC IR Bullet
Sensor Type	Progressive CMOS	Progressive CMOS	Progressive CMOS
Resolution/Size	5MP 1/2.7"	5MP 1/2.7"	4MP 1/1.8" 
Lens Res/FL/Type	5MP 2.7-13.5mm Motorized/φ14	5MP 2.7-13.5mm Motorized/φ14	4MP 2.7-12mm Motorized/Module
Max fps	5MP@30fps	5MP@30fps	4MP@30fps
Effective Pixels	2960(H)x1668(V) 	2960(H)x1668(V) 	2688(H)x1520(V) 2MP@60fps 1920(H)x1080(V) 
Aperture	0.0009 lux@F1.5 Color	0.0009 lux@F1.5 Color	0.0007 Lux@F1.8Color
Min Illumination	0.0005 lux@F1.5 B/W	0.0005 lux@F1.5 B/W	0.0004 Lux@F1.8 B/W
Illumination Type			
Light Distance	4 IR LEDs/60m	3 IR LEDs/40m	4 IR LEDs/60m
Day/Night			
HFoV	114°-32°	114°-32°	115°-47°
DORI Distance	Detect: 64-210m Observe: 25.6-84m Recognize: 12.8-42m Identify: 6.4-21m	Detect: 64-210m Observe: 25.6-84m Recognize: 12.8-42m Identify: 6.4-21m	Detect: 57.5-130.8m Observe: 23-52.3m Recognize: 11.5-26.2m Identify: 5.8-13.1m
CFD	0.8m	0.8m	1.5m
Image Enhancement	Ai ISP, Ai SSA, EIS, Defog, LDC, SVC, True WDR 120db, BLC, HLC, 3D DNR, AWB, AGC, Fixed IRIS, Rol, Privacy Area	Ai ISP, Ai SSA, EIS, Defog, LDC, SVC, True WDR 120db, BLC, HLC, 3D DNR, AWB, AGC, Fixed IRIS, Rol, Privacy Area	Ultra WDR 140db, Ai ISP, Ai SSA, EIS, Defog, LDC, SVC, BLC, HLC, 3D DNR, AWB, AGC, Fixed IRIS, Rol, Privacy Area
Video Compression	Ai Coding, Smart H.265+, MJPEG(Sub Stream), 4 Stream	Ai Coding, Smart H.265+, MJPEG(Sub Stream), 4 Stream	Ai Coding, Smart H.265+, MJPEG(Sub Stream), Four Streams
Ai & Detection Features	  SMD 3.0, IVS (Intrusion, Tripwire, Fast Running(all 3 Based on Human, Vehicle, Animal), Loitering, People Gathering, People Counting, Parking, Queue Number, Smart Object, Face Detection, HeatMap, Metadata, Smart Sound, Scene Change, Defocus, Deep Learning, Long Distance Mode	  SMD 3.0, IVS (Intrusion, Tripwire, Fast Running(all 3 Based on Human, Vehicle, Animal), Loitering, People Gathering, People Counting, Parking, Queue Number, Smart Object, Face Detection, HeatMap, Metadata, Smart Sound, Scene Change, Defocus, Deep Learning, Long Distance Mode	  SMD 3.0, IVS (Intrusion, Tripwire, Fast Running(all 3 Based on Human, Vehicle, Animal), Loitering, People Gathering, People Counting, Parking, Queue, Smart Object, Face Detection(Attributes, Expression), HeatMap, Metadata, Smart Sound, Scene Change, Defocus, Deep Learning, Long Distance Mode
LAN User Bandwidth	RJ-45(10/100 Base-T) 20 Users 80Mbps	RJ-45(10/100 Base-T) 20 Users 80Mbps	RJ-45(10/100 Base-T) 20 Users 80Mbps
Access Protocols	Onvif(S, T, G, M), SDK, API, CGI, Genetec, Milestone, P2P	Onvif(S, T, G, M), SDK, API, CGI, Genetec, Milestone, P2P	Onvif(S, T, G, M), SDK, API, CGI, Genetec, Milestone, P2P
Audio Compression	G.711a, G.711Mu, G.726, G.723, PCM	G.711a, G.711Mu, G.726, G.723, PCM	G.711a, G.711Mu, G.726, G.723, PCM
Audio in/out	1/1 Built-in MIC	1/1 Built-in MIC	1/1 Built-in MIC
Alarm in/out	2/1 5mA 3V-5VDC/300mA 12VDC	2/1 5mA 3V-5VDC/300mA 12VDC	2/1 5mA 3V-5VDC/300mA 12VDC
Storage	Micro SD 1TB, Dahua Cloud, FTP, SFTP, NAS	Micro SD 1TB, Dahua Cloud, FTP, SFTP, NAS	Micro SD 1TB, Dahua Cloud, FTP, SFTP, NAS
ROM/RAM	4GB/1GB	4GB/1GB	4GB/1GB
Case Material	Metal	Metal	Metal+Plastic
H/S Protection	IP67/IK10 4KV Lightning, Cyber Security	IP67/IK10 4KV Lightning, Cyber Security	IP67/IK10 4KV Lightning, Cyber Security
Power	±30%DC12V/3.6W-Max 10.4W PoE(802.3af)4.7W-Max 13W  Dual Power Backup	±30%24V AC/DC12V/3.9W-Max 10.4W PoE(802.3af)5.6W-Max 12.1W  Dual Power Backup	±30%DC12V/3.7W-Max 9.8W PoE(802.3af)4.9W-Max 12.3W  Dual Power Backup
Temp/Humidity	-30°C ~ +60°C/95%	-30°C ~ +60°C/95%	-30°C ~ +60°C/95%
Price	503,000,000	570,000,000	518,000,000

							
Model	HFV1239S1-LED-S5	HFV1239S1-A-LED-S5	HFV1439S1-A-LED-S4	HDV1239T1-LED-S5 (2.8mm)	HDV1239T1-LED-S5 (3.6mm)	HDV1239T1-A-LED-S5	HFV1239TC1-LED-S6
Type	IPC Full Color Bullet	IPC Full Color Bullet	IPC Full Color Bullet	IPC Full Color Eyeball	IPC Full Color Eyeball	IPC Full Color Eyeball	IPC Full Color Bullet
Sensor Type Resolution/Size	Progressive CMOS 2MP 1/2.8"	Progressive CMOS 2MP 1/2.8"	Progressive CMOS 4MP 1/3"	Progressive CMOS 2MP 1/2.8"	Progressive CMOS 2MP 1/2.8"	Progressive CMOS 2MP 1/2.8"	Progressive CMOS 2MP 1/2.8"
Lens Res/FL/Type	2MP 3.6mm fixed/M12	2MP 2.8mm fixed/M12	4MP 3.6mm fixed/M12	2MP 2.8mm fixed/M12	2MP 3.6mm fixed/M12	2MP 2.8mm fixed/M12	2MP 3.6mm fixed/M12
Max fps Effective Pixels	2MP@30fps 1920(H)x1080(V)	2MP@30fps 1920(H)x1080(V)	4MP@30fps 2560(H)x1440(V)	2MP@30fps 1920(H)x1080(V)	2MP@30fps 1920(H)x1080(V)	2MP@30fps 1920(H)x1080(V)	2MP@30fps 1920(H)x1080(V)
Aperture Min Illumination	0.005 Lux @F1.6	0.005 Lux @F1.6	0.008 lux @F1.6	0.005 Lux @F1.6	0.005 Lux @F1.6	0.005 Lux @F1.6	0.005 Lux @F1.6
Illumination Type							
Light Distance	1 Warmlight LED/15m	1 Warmlight LED/15m	1 Warmlight LED/15m	1 Warmlight LED/15m	1 Warmlight LED/15m	1 Warmlight LED/15m	1 Warmlight LED/30m
Day/Night	 	 	 	 	 	 	 
HFoV	88°	107°	78°	107°	88°	107°	87°
DORI Distance	Detect: 54.8m Observe: 21.9m Recognize: 11m Identify: 5.5m	Detect: 43.9m Observe: 17.5m Recognize: 8.8m Identify: 4.4m	Detect: 83.4m Observe: 34.2m Recognize: 17.1m Identify: 8.5m	Detect: 43.9m Observe: 17.5m Recognize: 8.8m Identify: 4.4m	Detect: 58.9m Observe: 23.6m Recognize: 11.8m Identify: 5.9m	Detect: 43.9m Observe: 17.5m Recognize: 8.8m Identify: 4.4m	Detect: 58.9m Observe: 23.6m Recognize: 11.8m Identify: 5.9m
CFD	1.1m	0.7m	1.6m	0.7m	1.3m	0.7m	1.3m
Image Enhancement	DWDR, BLC, HLC, 3D DNR, AWB, AGC, Fixed IRIS, Rol, Privacy Area	DWDR, BLC, HLC, 3D DNR, AWB, AGC, Fixed IRIS, Rol, Privacy Area	True WDR 120db, BLC, HLC, 3D DNR, AWB, AGC, Fixed IRIS, Rol, Privacy Area	DWDR, BLC, HLC, 3D DNR, AWB, AGC, Fixed IRIS, Rol, Privacy Area	DWDR, BLC, HLC, 3D DNR, AWB, AGC, Fixed IRIS, Rol, Privacy Area	DWDR, BLC, HLC, 3D DNR, AWB, AGC, Fixed IRIS, Rol, Privacy Area	DWDR, BLC, HLC, 3D DNR, AWB, AGC, Fixed IRIS, Rol, Privacy Area
Video Compression	Smart H.265+, MJPEG(Sub Stream), Dual Stream	Smart H.265+, MJPEG(Sub Stream), Dual Stream	Smart H.265+, MJPEG(Sub Stream), Dual Stream	Smart H.265+, MJPEG(Sub Stream), Dual Stream	Smart H.265+, MJPEG(Sub Stream), Dual Stream	Smart H.265+, MJPEG(Sub Stream), Dual Stream	Smart H.265+, MJPEG(Sub Stream), Dual Stream
AI & Detection Features	Motion Detection, Video Tampering, Network Disconnection, IP Conflict, Illegal Access, Safety Exception	Motion Detection, Video Tampering, Network Disconnection, IP Conflict, Illegal Access, Safety Exception	Motion Detection, Video Tampering, Network Disconnection, IP Conflict, Illegal Access, Safety Exception	Motion Detection, Video Tampering, Network Disconnection, IP Conflict, Illegal Access, Safety Exception	Motion Detection, Video Tampering, Network Disconnection, IP Conflict, Illegal Access, Safety Exception	Motion Detection, Video Tampering, Network Disconnection, IP Conflict, Illegal Access, Safety Exception	Human Detection, Smart Search, Video Tampering, Network Disconnection, IP Conflict, Illegal Access, Safety Exception
LAN User Bandwidth	RJ-45(10/100 Base-T) 6 Users 36Mbps	RJ-45(10/100 Base-T) 6 Users 36Mbps	RJ-45(10/100 Base-T) 20 Users 48Mbps	RJ-45(10/100 Base-T) 6 Users 36Mbps	RJ-45(10/100 Base-T) 6 Users 36Mbps	RJ-45(10/100 Base-T) 6 Users 36Mbps	RJ-45(10/100 Base-T) 6 Users 24Mbps
Access Protocols	Onvif(S, T, G), SDK, API, CGI, Genetc, Milestone, P2P	Onvif(S, T, G), SDK, API, CGI, Genetc, Milestone, P2P	Onvif(S, T, G), SDK, API, CGI, Genetc, Milestone, P2P	Onvif(S, T, G), SDK, API, CGI, Genetc, Milestone, P2P	Onvif(S, T, G), SDK, API, CGI, Genetc, Milestone, P2P	Onvif(S, T, G), SDK, API, CGI, Genetc, Milestone, P2P	Onvif(S, T, G), SDK, API, CGI, Genetc, Milestone, P2P
Audio Compression	N/A	G.711a, G.711Mu, G.726, PCM	G.711a, G.711Mu, G.726, PCM	N/A	N/A	G.711a, G.711Mu, G.726, PCM	N/A
Audio in/out	N/A	Built-in MIC	Built-in MIC	N/A	N/A	Built-in MIC	N/A
Alarm in/out	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Storage	Dahua Cloud, FTP, SFTP, NAS	Dahua Cloud, FTP, SFTP, NAS	Dahua Cloud, FTP, SFTP, NAS	Dahua Cloud, FTP, SFTP, NAS	Dahua Cloud, FTP, SFTP, NAS	Dahua Cloud, FTP, SFTP, NAS	Dahua Cloud, FTP, SFTP, NAS
ROM/RAM	16MB/64MB	16MB/64MB	128MB/128MB	16MB/64MB	16MB/64MB	16MB/64MB	16MB/64MB
Case Material	Metal+Plastic	Metal+Plastic	Metal+Plastic	Metal+Plastic	Metal+Plastic	Metal+Plastic	Metal+Plastic
H/S Protection	IP67 4KV Lightning, Cyber Security	IP67 4KV Lightning, Cyber Security	IP67 4KV Lightning, Cyber Security	IP67 4KV Lightning, Cyber Security	IP67 4KV Lightning, Cyber Security	IP67 4KV Lightning, Cyber Security	IP67 4KV Lightning, Cyber Security
Power	±30%DC12V/1.4W-Max 4.2W PoE(802.3af)2.2W-Max 5.3W	±30%DC12V/1.2W-Max 4.2W PoE(802.3af)2W-Max 5.4W	±30%DC12V/2.1W-Max 4.3W PoE(802.3af)3W-Max 5.3W	±30%DC12V/1.2W-Max 4.2W PoE(802.3af)2W-Max 5.4W	±30%DC12V/1.2W-Max 4.2W PoE(802.3af)2W-Max 5.4W	±30%DC12V/1.2W-Max 4.2W PoE(802.3af)2W-Max 5.4W	±30%DC12V/1.5W-Max 3.4W PoE(802.3af)1.6W-Max 4.3W
Temp/Humidity	-40°C ~ +60°C/95%	-40°C ~ +60°C/95%	-40°C ~ +60°C/95%	-40°C ~ +60°C/95%	-40°C ~ +60°C/95%	-40°C ~ +60°C/95%	-40°C ~ +60°C/95%
Price	98,300,000	99,500,000	130,500,000	102,800,000	102,800,000	103,900,000	102,000,000

													
Model	HFW2449S-S-LED		HDW2449T-S-LED		HFW3449E-AS-LED(2.8mm)		HFW3449E-AS-LED(3.6mm)		HFW3549E-AS-LED		HFW5449T1-ZE-LED		
Type	IPC Full Color Bullet		IPC Full Color Eyeball		IPC Full Color Bullet		IPC Full Color Bullet		IPC Full Color Bullet		IPC Full Color Bullet		
Sensor Type	Progressive CMOS		Progressive CMOS		Progressive CMOS		Progressive CMOS		Progressive CMOS		Progressive CMOS		
Resolution/Size	4MP 1/2.9"		4MP 1/2.9"		4MP 1/2.7"		4MP 1/2.7"		5MP 1/2.7"		4MP 1/1.8"		
Lens Res/FL/Type	4MP 3.6mm fixed/M12		4MP 2.8mm fixed/M12		4MP 2.8mm fixed/M12		4MP 3.6mm fixed/M12		5MP 3.6mm fixed/M12		4MP 2.7-12mm Motorized/Module		
Max fps	4MP@20fps	4MP@30fps	4MP@20fps	4MP@30fps	4MP@20fps	4MP@30fps	4MP@20fps	4MP@30fps	4MP@30fps	5MP@20fps	4MP@30fps		
Effective Pixels	2688(H)x1520(V)	2560(H)x1440(V)	2688(H)x1520(V)	2560(H)x1440(V)	2688(H)x1520(V)	2560(H)x1440(V)	2688(H)x1520(V)	2560(H)x1440(V)	2688(H)x1520(V)	2592(H)x1944(V)	2688(H)x1520(V)		
Aperture	0.004 Lux@F1.0		0.004 Lux@F1.0		0.003 Lux@F1.0		0.003 Lux@F1.0		0.003 Lux@F1.0		0.0005 lux@F1.0		
Min Illumination													
Illumination Type													
Light Distance	2 Warmlight LEDs/30m		2 Warmlight LEDs/30m		1 IR LEDs/30m		1 IR LEDs/30m		1 IR LEDs/30m		4 IR LEDs/70m		
Day/Night	 		 		 		 		 				
HFoV	82°		101°		103°		80°		77°		104.7°-56.1°		
DORI Distance	Detect: 78m Observe: 31.2m Recognize: 15.6m Identify: 7.8m	Detect: 66m Observe: 26.4m Recognize: 13.2m Identify: 6.6m	Detect: 66m Observe: 26.4m Recognize: 13.2m Identify: 6.6m	Detect: 56m Observe: 22.4m Recognize: 11.2m Identify: 5.6m	Detect: 80m Observe: 32m Recognize: 16m Identify: 8m	Detect: 80m Observe: 32m Recognize: 16m Identify: 8m	Detect: 80m Observe: 32m Recognize: 16m Identify: 8m	Detect: 80m Observe: 32m Recognize: 16m Identify: 8m	Detect: 80m Observe: 32m Recognize: 16m Identify: 8m	Detect: 80m Observe: 32m Recognize: 16m Identify: 8m	Detect: 65.10 - 111.45m Observe: 26.4 - 44.58m Recognize: 13.2 - 22.29m Identify: 6.51 - 11.14m		
CFD	2.2m		1.5m		1.2m		2.4m		2.4m		1.5m		
Image Enhancement	True WDR 120db, BLC, HLC, 3D DNR, AWB, AGC, Fixed IRIS, Rol, Privacy Area		True WDR 120db, BLC, HLC, 3D DNR, AWB, AGC, Fixed IRIS, Rol, Privacy Area		SSA, True WDR 120db, BLC, HLC, 3D DNR, AWB, AGC, Fixed IRIS, Rol, Privacy Area		SSA, True WDR 120db, BLC, HLC, 3D DNR, AWB, AGC, Fixed IRIS, Rol, Privacy Area		SSA, True WDR 120db, BLC, HLC, 3D DNR, AWB, AGC, Fixed IRIS, Rol, Privacy Area		Ultra WDR 140db, SSA, Defog, SVC, BLC, HLC, 3D DNR, AWB, AGC, Fixed IRIS, Rol, Privacy Area		
Video Compression	Smart H.265+, MJPEG(Sub Stream), Dual Stream		Smart H.265+, MJPEG(Sub Stream), Dual Stream		Smart H.265+, MJPEG(Sub Stream), Triple Stream		Smart H.265+, MJPEG(Sub Stream), Triple Stream		Smart H.265+, MJPEG(Sub Stream), Triple Stream		Ai Coding, Smart H.265+, MJPEG(Sub Stream), Triple Stream		
Ai & Detection Features	 SMD+, IVS: Intrusion, Tripwire by Deep Learning		 SMD+, IVS: Intrusion, Tripwire by Deep Learning		 SMD+, IVS: Intrusion, Tripwire by Deep Learning Video Tampering, Scene Changing, Audio Detection, no SD Card, SD Card Full, SD Card Error, Network Disconnection, IP Conflict, Illegal Access, Voltage Detection		 SMD+, IVS: Intrusion, Tripwire by Deep Learning Video Tampering, Scene Changing, Audio Detection, no SD Card, SD Card Full, SD Card Error, Network Disconnection, IP Conflict, Illegal Access, Voltage Detection		 SMD+, IVS: Intrusion, Tripwire by Deep Learning Video Tampering, Scene Changing, Audio Detection, no SD Card, SD Card Full, SD Card Error, Network Disconnection, IP Conflict, Illegal Access, Voltage Detection		 SMD 3.0, IVS (Intrusion, Tripwire, Fast Running(all 3 Based on Human, Vehicle, Animal), Loitering, People Gathering, People Counting, Parking, Queue, Smart Object, Face Detection, HeatMap, Metadata, Audio Detection, Scene Change, Deep Learning, Long Distance Mode		
LAN / User Bandwidth	RJ-45(10/100 Base-T) 20 Users \ 48Mbps		RJ-45(10/100 Base-T) 20 Users \ 48Mbps		RJ-45(10/100 Base-T) 20 Users \ 64Mbps		RJ-45(10/100 Base-T) 20 Users \ 64Mbps		RJ-45(10/100 Base-T) 20 Users \ 64Mbps		RJ-45(10/100 Base-T) 20 Users / 80Mbps		
Access Protocols	Onvif(S, T, G), SDK, API, CGI, Genetc, Milestone, P2P		Onvif(S, T, G), SDK, API, CGI, Genetc, Milestone, P2P		Onvif(S, T, G), SDK, API, CGI, Genetc, Milestone, P2P		Onvif(S, T, G), SDK, API, CGI, Genetc, Milestone, P2P		Onvif(S, T, G), SDK, API, CGI, Genetc, Milestone, P2P		Onvif(S, T, G), SDK, API, CGI, Genetc, Milestone, P2P		
Audio Compression	G.711a, G.711Mu, G.726, PCM		G.711a, G.711Mu, G.726, PCM		G.711a, G.711Mu, G.726, PCM		G.711a, G.711Mu, G.726, PCM		G.711a, G.711Mu, G.726, PCM		G.711a, G.711Mu, G.726, G.723, PCM		
Audio in/out	Built-in M C		Built-in M C		1/1 + Built-in M C		1/1 + Built-in M C		1/1 + Built-in M C		1/1 Dual Built-in Mic & Speaker		
Alarm in/out	N/A		N/A		1/1 5mA 3V-5VDC/300mA 12VDC		1/1 5mA 3V-5VDC/300mA 12VDC		1/1 5mA 3V-5VDC/300mA 12VDC		2/1 5mA 3V-5VDC/300mA 12VDC		
Storage	Micro SD 256GB, Dahua Cloud, FTP, SFTP		Micro SD 256GB, Dahua Cloud, FTP, SFTP		Micro SD 256GB, Dahua Cloud, FTP, SFTP, NAS		Micro SD 256GB, Dahua Cloud, FTP, SFTP, NAS		Micro SD 256GB, Dahua Cloud, FTP, SFTP, NAS		Micro SD 512GB, Dahua Cloud, FTP, SFTP, NAS		
ROM/RAM	128MB/128MB		128MB/128MB		128MB/512MB		128MB/512MB		128MB/512MB		256MB/1GB		
Case Material	Metal		Metal+Plastic		Metal		Metal		Metal		Metal		
H/S Protection	IP67/4KV Lightnign, Cyber Security		IP67/4KV Lightnign, Cyber Security		IP67/4KV Lightning, Cyber Security		IP67/4KV Lightning, Cyber Security		IP67/4KV Lightning, Cyber Security		IP67/4KV Lightning, Cyber Security 		
Power	±30%DC12V/2.7W-Max 6.8W PoE(802.3af)3.6W-Max 8.3W		±30%DC12V/2.7W-Max 6.8W PoE(802.3af)3.5W-Max 8.2W		±30%DC12V, PoE (802.3af) Max 8.4W		±30%DC12V, PoE (802.3af) Max 8.4W		±30%DC12V, PoE (802.3af) Max 8.4W		±30%DC12V/2.7W-Max 11.3W PoE(802.3af)4.2W-Max 13W Dual Power Backup		
Temp/Humidity	-40°C ~ +60°C/95%		-40°C ~ +60°C/95%		-40°C ~ +60°C/95%		-40°C ~ +60°C/95%		-40°C ~ +60°C/95%		-30°C ~ +60°C/95%		
Price	174,500,000		174,500,000		240,500,000		240,500,000		272,500,000		589,500,000		

						
Model	T1E29-A-IL	T1E49-A-IL	B1E29-IL	B1E49-A-IL	HFW1239TL1-A-IL	HDW1239T1P-A-IL-S6
Type	IPC Dual Light Eyeball	IPC Dual Light Eyeball	IPC Dual Light Bullet	IPC Dual Light Bullet	IPC Dual Light Bullet	IPC Dual Light Eyeball
Sensor Type	Progressive CMOS	Progressive CMOS	Progressive CMOS	Progressive CMOS	Progressive CMOS	Progressive CMOS
Resolution/Size	2MP 1/2.8"	4MP 1/3"	2MP 1/2.8"	4MP 1/3"	2MP 1/2.8"	2MP 1/2.8"
Lens Res/FL/Type	2MP 2.8mm fixed/M12	4MP 2.8mm fixed/M12	2MP 3.6mm fixed/M12	4MP 3.6mm fixed/M12	2MP 3.6mm fixed/M12	2MP 2.8mm fixed/M12
Max fps	2MP@30fps	4MP@30fps	2MP@30fps	4MP@30fps	2MP@30fps	2MP@30fps
Effective Pixels	1920(H)x1080(V)	2560(H)x1440(V)	1920(H)x1080(V)	2560(H)x1440(V)	1920(H)x1080(V)	1920(H)x1080(V)
Aperture	0.005 lux@F1.6 Color	0.008 lux@F1.6 Color	0.005 lux@F1.6 Color	0.008 lux@F1.6 Color	0.005 lux@F1.6 Color	0.005 lux@F1.6 Color
Min Illumination	0.0005 lux@F1.6 B/W	0.0008 lux@F1.6 B/W	0.0005 lux@F1.6 B/W	0.0008 lux@F1.6 B/W	0.0005 lux@F1.6 B/W	0.0005 lux@F1.6 B/W
Illumination Type						
Light Distance	1 IR LED/30m - 1 Warmlight LED/15m	1 IR LED/30m - 1 Warmlight LED/15m	2 Multicore / IR 30m - Warmlight 15m	2 Multicore / IR 30m - Warmlight 15m	2 IR LEDs/30m - 2 Warmlight LEDs/30m	1 Multi-core LED IR/30m - Warmlight/30m
Day/Night						
HFoV	105°	94°	87°	78°	88°	103°
DORI Distance	Detect: 43.9m Observe: 17.5m Recognize: 8.8m Identify: 4.4m	Detect: 64m Observe: 25.6m Recognize: 12.8m Identify: 6.4m	Detect: 58.9m Observe: 23.6m Recognize: 11.8m Identify: 5.9m	Detect: 85.4m Observe: 34.2m Recognize: 17.1m Identify: 8.5m	Detect: 58.9m Observe: 23.6m Recognize: 11.8m Identify: 5.9m	Detect: 44.1m Observe: 17.7m Recognize: 8.8m Identify: 4.4m
CFD	0.7m	1.1m	1.3m	1.7m	1.3m	0.8m
Image Enhancement	DWDR, BLC, HLC, 3D DNR, AWB, AGC, Fixed IRIS, Rol, Privacy Area, Smart Illumination	DWDR, BLC, HLC, 3D DNR, AWB, AGC, Fixed IRIS, Rol, Privacy Area, Smart Illumination	DWDR, BLC, HLC, 3D DNR, AWB, AGC, Fixed IRIS, Rol, Privacy Area, Smart Illumination	DWDR, BLC, HLC, 3D DNR, AWB, AGC, Fixed IRIS, Rol, Privacy Area, Smart Illumination	DWDR, BLC, HLC, 3D DNR, AWB, AGC, Fixed IRIS, Rol, Privacy Area, Smart Illumination	DWDR, BLC, HLC, 3D DNR, AWB, AGC, Fixed IRIS, Rol, Privacy Area, Smart Illumination
Video Compression	Smart H.265+, MJPEG(Sub Stream), Dual Stream	Smart H.265+, MJPEG(Sub Stream), Dual Stream	Smart H.265+, Dual Stream	Smart H.265+, Dual Stream	Smart H.265+, MJPEG(Sub Stream), Dual Stream	Smart H.265+, MJPEG(Sub Stream), Dual Stream
Ai & Detection Features	SMD (Human Detection), Network Disconnection, IP Conflict, Illegal Access, Motion Detection, Video Tampering, Audio Detection, Security Exception	SMD (Human Detection), Network Disconnection, IP Conflict, Illegal Access, Motion Detection, Video Tampering, Audio Detection, Security Exception	SMD (Human Detection), Network Disconnection, IP Conflict, Illegal Access, Motion Detection, Video Tampering, Audio Detection, Security Exception	SMD (Human Detection), Network Disconnection, IP Conflict, Illegal Access, Motion Detection, Video Tampering, Audio Detection, Security Exception	SMD (Human Detection), Network Disconnection, IP Conflict, Illegal Access, Motion Detection, Video Tampering, Audio Detection, Security Exception	SMD (Human Detection), Network Disconnection, IP Conflict, Illegal Access, Motion Detection, Video Tampering, Audio Detection, Security Exception
LAN / User Bandwidth	RJ-45(10/100 Base-T), 6 Users, 24Mbps	RJ-45(10/100 Base-T), 6 Users, 24Mbps	RJ-45(10/100 Base-T), 6 Users, 24Mbps	RJ-45(10/100 Base-T), 6 Users, 24Mbps	RJ-45(10/100 Base-T), 6 Users, 24Mbps	RJ-45(10/100 Base-T), 6 Users, 24Mbps
Access Protocols	Onvif(S, T), SDK, API, CGI, Genetec, Milestone, P2P	Onvif(S, T), SDK, API, CGI, Genetec, Milestone, P2P	Onvif(S, T), SDK, API, CGI, Genetec, Milestone, P2P	Onvif(S, T), SDK, API, CGI, Genetec, Milestone, P2P	Onvif(S, T), SDK, API, CGI, Genetec, Milestone, P2P	Onvif(S, T), SDK, API, CGI, Genetec, Milestone, P2P
Audio Compression	G.711a, G.711Mu, G.726, PCM	G.711a, G.711Mu, G.726, PCM	N/A	G.711a, G.711Mu, G.726, PCM	G.711a, G.711Mu, G.726, PCM	G.711a, G.711Mu, G.726, PCM
Audio in/out	Built-in M/C	Built-in M/C	N/A	Built-in M/C	Built-in M/C	Built-in M/C
Alarm in/out	N/A	N/A	N/A	N/A	N/A	N/A
Storage	Dahua Cloud, FTP	Dahua Cloud, FTP	Dahua Cloud, FTP	Dahua Cloud, FTP	Dahua Cloud, FTP	Dahua Cloud, FTP
ROM/RAM	16MB/64MB	16MB/64MB	16MB/64MB	16MB/64MB	128MB/128MB	16MB/64MB
Case Material	Plastic	Plastic	Plastic	Plastic	Metal+Plastic	Metal+Plastic
H/S Protection	IP67/4KV Lightning, Cyber Security	IP67/4KV Lightning, Cyber Security	IP67/4KV Lightning, Cyber Security	IP67/4KV Lightning, Cyber Security	IP67/4KV Lightning, Cyber Security	IP67/4KV Lightning, Cyber Security
Power	±30%DC12V/1.4W-Max 3.4W PoE(802.3af)1.8W-Max 4.2W	±30%DC12V/1.4W-Max 3.3W PoE(802.3af)2.1W-Max 4.5W	±30%DC12V/1.4W-Max 3.4W PoE(802.3af)1.8W-Max 4.2W	±30%DC12V/1.4W-Max 3.3W PoE(802.3af)2.1W-Max 4.5W	±30%DC12V/1.8W-Max 6.3W PoE(802.3af)2.3W-Max 7.8W	±30%DC12V/1.4W-Max 3.3W PoE(802.3af)2.2W-Max 4.4W
Temp/Humidity	-40 °C to +50 °C/95%	-40 °C to +50 °C/95%	-40 °C to +50 °C/95%	-40°C ~ +60°C/95%	-40°C ~ +60°C/95%	-40°C ~ +60°C/95%
Price	99,800,000	113,800,000	98,500,000	113,800,000	104,500,000	105,400,000

Model	HFW1439TL1-A-IL	HDW1439V-A-IL	HFW1639TC-A-IL	HDW1639T-A-IL	HFW1839TC-A-IL	HFW2449S-S-IL	HDW2449T-S-IL	HFW2849S-S-IL
Type	IPC Dual Light Bullet	IPC Dual Light Eyeball	IPC Dual Light Bullet	IPC Dual Light Eyeball	IPC Dual Light Bullet	IPC Dual Light Bullet	IPC Dual Light Eyeball	IPC Dual Light Bullet
Sensor Type Resolution/Size	Progressive CMOS 4MP 1/2.9"	Progressive CMOS 4MP 1/2.9"	Progressive CMOS 6MP 1/2.7"	Progressive CMOS 6MP 1/2.7"	Progressive CMOS 8MP 1/2.7"	Progressive CMOS 4MP 1/2.9"	Progressive CMOS 4MP 1/2.9"	Progressive CMOS 4K 1/2.7"
Lens Res/FL/Type	4MP 3.6mm fixed/M12	4MP 2.8mm fixed/M12	6MP 3.6mm fixed/M12	6MP 3.6mm fixed/M12	8MP 3.6mm fixed/M12	4MP 3.6mm fixed/M12	4MP 2.8mm fixed/M12	4K 3.6mm fixed/M12
Max fps Effective Pixels	4MP@30fps 2560(H)x1440(V)	4MP@30fps 2560(H)x1440(V)	6MP@20fps 3200Hx1800V 4MP@30fps 2688Hx1520V	6MP@20fps 3200Hx1800V 4MP@30fps 2688Hx1520V	8MP@20fps 3840Hx2160V 4MP@30fps 2688Hx1520V	4MP@20fps 2688Hx1520V 4MP@30fps 2560Hx1440V	4MP@20fps 2688Hx1520V 4MP@30fps 2560Hx1440V	4K@20fps 3840Hx2160V 4MP@30fps 2688Hx1520V
Aperture Min Illumination	0.006 lux@F1.6 Color 0.0006 lux@F1.6 B/W	0.006 lux@F1.6 Color 0.0006 lux@F1.6 B/W	0.007 lux@F1.6 Color 0.0007 lux@F1.6 B/W	0.007 lux@F1.6 Color 0.0007 lux@F1.6 B/W	0.008 lux@F1.6 Color 0.0008 lux@F1.6 B/W	0.006 lux@F1.6 Color 0.0006 lux@F1.6 B/W	0.006 lux@F1.6 Color 0.0006 lux@F1.6 B/W	0.008 lux@F1.6 Color 0.0008 lux@F1.6 B/W
Illumination Type								
Light Distance	2 IR LEDs/50m - 2 Warmlight LEDs/50m	1 IR LED/30m - 1 Warmlight LED/30m	1 MultiCore LED IR/30m - Warmlight 30m	1 MultiCore LED IR/30m - Warmlight 30m	1 MultiCore LED IR/30m - Warmlight 30m	1 IR LED/30m - 1 Warmlight LED/30m	1 IR LED/30m - 1 Warmlight LED/30m	1 IR LED/30m 1 Warmlight LED/30m
Day/Night								
HFoV	78°	94°	91°	110°	86°	78°	95°	87°
DORI Distance	Detect: 85.4m Observe: 34.2m Recognize: 17.1m Identify: 8.5m	Detect: 64m Observe: 25.6m Recognize: 12.8m Identify: 6.4m	Detect: 84.5m Observe: 34.2m Recognize: 17.1m Identify: 8.5m	Detect: 63.6m Observe: 25.4m Recognize: 12.7m Identify: 6.4m	Detect: 98.7m Observe: 39.5m Recognize: 19.7m Identify: 9.9m	Detect: 85.4m Observe: 34.2m Recognize: 17.1m Identify: 8.5m	Detect: 63.6m Observe: 25.4m Recognize: 12.7m Identify: 6.4m	Detect: 98.7m Observe: 39.5m Recognize: 19.7m Identify: 9.9m
CFD	1.7m	1.1m	1.7m	1.1m	1.9m	1.6m	0.9m	1.9m
Image Enhancement	True WDR 120db, BLC, HLC, 3D DNR, AWB, AGC, Fixed IRIS, Rol, Privacy Area, Smart Illumination	True WDR 120db, BLC, HLC, 3D DNR, AWB, AGC, Fixed IRIS, Rol, Privacy Area, Smart Illumination	DWDR, BLC, HLC, 3D DNR, AWB, AGC, Fixed IRIS, Rol, Privacy Area, Smart Illumination	DWDR, BLC, HLC, 3D DNR, AWB, AGC, Fixed IRIS, Rol, Privacy Area, Smart Illumination	DWDR, BLC, HLC, 3D DNR, AWB, AGC, Fixed IRIS, Rol, Privacy Area, Smart Illumination	True WDR 120db, BLC, HLC, 3D DNR, AWB, AGC, Fixed IRIS, Rol, Privacy Area, Smart Illumination	True WDR 120db, BLC, HLC, 3D DNR, AWB, AGC, Fixed IRIS, Rol, Privacy Area, Smart Illumination	True WDR 120db, BLC, HLC, 3D DNR, AWB, AGC, Fixed IRIS, Rol, Privacy Area, Smart Illumination
Video Compression	Smart H.265+, MJPEG(Sub Stream), Dual Stream	Smart H.265+, MJPEG(Sub Stream), Dual Stream	Smart H.265+, MJPEG(Sub Stream), Dual Stream	Smart H.265+, MJPEG(Sub Stream), Dual Stream	Smart H.265+, MJPEG(Sub Stream), Dual Stream	Smart H.265+, MJPEG(Sub Stream), Dual Stream	Smart H.265+, MJPEG(Sub Stream), Dual Stream	Smart H.265+, MJPEG(Sub Stream), Dual Stream
Ai & Detection Features	SMD (Human & Vehicle Detection), Network Disconnection, IP Conflict, Illegal Access, Motion Detection, Video Tampering, Audio Detection, Security Exception	SMD (Human & Vehicle Detection), Network Disconnection, IP Conflict, Illegal Access, Motion Detection, Video Tampering, Audio Detection, Security Exception	SMD (Human Detection), Network Disconnection, IP Conflict, Illegal Access, Motion Detection, Video Tampering, Audio Detection, Security Exception	SMD (Human Detection), Network Disconnection, IP Conflict, Illegal Access, Motion Detection, Video Tampering, Audio Detection, Security Exception	SMD (Human Detection), Network Disconnection, IP Conflict, Illegal Access, Motion Detection, Video Tampering, Audio Detection, Security Exception	 SMD+, IVS: Intrusion, Tripwire by Deep Learning	 SMD+, IVS: Intrusion, Tripwire by Deep Learning	 SMD+, IVS: Intrusion, Tripwire by Deep Learning
LAN / User Bandwidth	RJ-45(10/100 Base-T) 6 Users, 24Mbps	RJ-45(10/100 Base-T) 6 Users, 24Mbps	RJ-45(10/100 Base-T) 6 Users, 48Mbps	RJ-45(10/100 Base-T) 6 Users, 48Mbps	RJ-45(10/100 Base-T) 6 Users, 48Mbps	RJ-45(10/100 Base-T) 6 Users, 36Mbps	RJ-45(10/100 Base-T) 6 Users, 36Mbps	RJ-45(10/100 Base-T) 20 Users, 48Mbps
Access Protocols	Onvif(S, T), SDK, API, CGI, Genetx, Milestone, P2P	Onvif(S, T), SDK, API, CGI, Genetx, Milestone, P2P	Onvif(S, T), SDK, API, CGI, Genetx, Milestone, P2P	Onvif(S, T), SDK, API, CGI, Genetx, Milestone, P2P	Onvif(S, T), SDK, API, CGI, Genetx, Milestone, P2P	Onvif(S, T, G), SDK, API, CGI, Genetx, Milestone, P2P	Onvif(S, T, G), SDK, API, CGI, Genetx, Milestone, P2P	Onvif(S, T, G), SDK, API, CGI, Genetx, Milestone, P2P
Audio Compression	G.711a, G.711Mu, G.726, PCM	G.711a, G.711Mu, G.726, PCM	G.711a, G.711Mu, G.726, PCM	G.711a, G.711Mu, G.726, PCM	G.711a, G.711Mu, G.726, PCM	G.711a, G.711Mu, G.726, PCM	G.711a, G.711Mu, G.726, PCM	G.711a, G.711Mu, G.726, PCM
Audio in/out	Built-in M C	Built-in M C	Built-in M C	Built-in M C	Built-in M C	Built-in M C	Built-in M C	Built-in M C
Alarm in/out	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Storage	Dahua Cloud, FTP	Dahua Cloud, FTP	Dahua Cloud, FTP	Dahua Cloud, FTP	Dahua Cloud, FTP	Micro SD 256GB Dahua Cloud, FTP, SFTP	Micro SD 256GB Dahua Cloud, FTP, SFTP	Micro SD 256GB Dahua Cloud, FTP, SFTP, NAS
ROM/RAM	128MB/128MB	128MB/128MB	128MB/256MB	128MB/256MB	128MB/256MB	128MB/128MB	128MB/128MB	128MB/256MB
Case Material	Metal+Plastic	Metal+Plastic	Metal	Metal	Metal	Metal	Metal+Plastic	Metal
H/S Protection	IP67/4KV Lightning, Cyber Security	IP67/4KV Lightning, Cyber Security	IP67/4KV Lightning, Cyber Security	IP67/4KV Lightning, Cyber Security	IP67/4KV Lightning, Cyber Security	IP67/4KV Lightning, Cyber Security	IP67/4KV Lightning, Cyber Security	IP67/4KV Lightning, Cyber Security
Power	±30%DC12V/2W-Max 6.4W PoE(802.3af)2.9W-Max 7.7W	±30%DC12V/2W-Max 4.6W PoE(802.3af)2.9W-Max 5.7W	±30%DC12V/2W-Max 4W PoE(802.3af)2.9W-Max 5.3W	±30%DC12V/2W-Max 4W PoE(802.3af)2.9W-Max 5.3W	±30%DC12V/2.5W-Max 4.5W PoE(802.3af)3.5W-Max 5.8W	±30%DC12V/2.1W-Max 4.4W PoE(802.3af)2.5W-Max 5.2W	±30%DC12V/2.1W-Max 4.4W PoE(802.3af)2.5W-Max 5.2W	±30%DC12V/2.7W-Max 5W PoE(802.3af)3.4W-Max 5.9W
Temp/Humidity	-40°C ~ +60°C/95%	-40°C ~ +60°C/95%	-40°C ~ +60°C/95%	-40°C ~ +60°C/95%	-40°C ~ +60°C/95%	-40°C ~ +60°C/95%	-40°C ~ +60°C/95%	-40°C ~ +55°C/95%
Price	141,000,000	141,200,000	161,000,000	161,000,000	214,000,000	174,900,000	175,900,000	236,000,000

Model	HFW2549T-AS-IL		HFW2849T-AS-IL		HFW2449T-ZAS-IL		HFW2849T-ZAS-IL		HFW2449TL-S-PRO		HFW2849TL-S-PRO		HDW2449T-S-PRO	
Type	IPC Dual Light Bullet		IPC Dual Light Bullet		IPC Dual Light Bullet		IPC Dual Light Bullet		IPC WizColor Bullet		IPC WizColor Bullet		IPC WizColor Eyeball	
Sensor Type	Progressive CMOS		Progressive CMOS		Progressive CMOS		Progressive CMOS		Progressive CMOS		Progressive CMOS		Progressive CMOS	
Resolution/Size	5MP 1/2.7"		4K 1/2.7"		4MP 1/2.9"		4K 1/2.9"		4MP 1/1.8"		4K 1/1.8"		4MP 1/1.8"	
Lens Res/FL/Type	5MP 3.6mm fixed/M12		4K 3.6mm fixed/M12		4MP 2.7-13.5mm Motorized/φ14		4K 2.7-13.5mm Motorized/φ14		4MP 2.8mm fixed/M12		4K 2.8mm fixed/M12		4MP 2.8mm fixed/M12	
Max fps	16-9		16-9		16-9		16-9		16-9		16-9		16-9	
Effective Pixels	5MP@20fps 2960Hx1668V		5MP@30fps 2688Hx1520V		4K@20fps 3840Hx2160V		4MP@30fps 2560Hx1440V		4K@20fps 3840Hx2160V		5MP@30fps 2688Hx1520V		4MP@20fps 2688Hx1520V	
Aperture	0.007 lux@F1.6 Color		0.008 lux@F1.6 Color		0.006 lux@F1.5 Color		0.008 lux@F1.5 Color		0.0001 lux@F1.0		0.0004 lux@F1.0		0.0001 lux@F1.0	
Min Illumination	0.0007 lux@F1.6 B/W		0.0008 lux@F1.6 B/W		0.0006 lux@F1.5 B/W		0.0008 lux@F1.5 B/W		Ultra Low Light		Ultra Low Light		Ultra Low Light	
Illumination Type	Smart Dual Light+		Smart Dual Light+		Smart Dual Light+		Smart Dual Light+		Wiz Color		Wiz Color		Wiz Color	
Light Distance	2 IR LEDs/60m 2 Warmlight LEDs/50m		2 IR LEDs/60m 2 Warmlight LEDs/50m		2 IR LEDs/60m 2 Warmlight LEDs/60m		2 IR LEDs/60m 2 Warmlight LEDs/60m		4 Warmlight LEDs/50m		4 Warmlight LEDs/50m		2 Warmlight LEDs/30m	
Day/Night	Full-Color Starlight		Full-Color Starlight		Full-Color Starlight		Full-Color Starlight		Super Starlight		Super Starlight		Super Starlight	
HFoV	92°		87°		97°-28°		114°-32°		105°		110°		105°	
DORI Distance	Detect: 85.4m Observe: 34.2m Recognize: 17.1m Identify: 8.5m		Detect: 98.7m Observe: 39.5m Recognize: 19.7m Identify: 9.9m		Detect: 64-210m Observe: 25.6-84m Recognize: 12.8-42m Identify: 6.4-21m		Detect: 85.3-280m Observe: 34.1-112m Recognize: 17.1-56m Identify: 8.5-28m		Detect: 57.97m Observe: 23.2m Recognize: 11.6m Identify: 5.8m		Detect: 84m Observe: 33.6m Recognize: 16.8m Identify: 8.4m		Detect: 57.9m Observe: 23.2m Recognize: 11.6m Identify: 5.8m	
CFD	1.7m		1.9m		0.8m		0.8m		2m		2.8m		2m	
Image Enhancement	True WDR 120db, BLC, HLC, 3D DNR, AWB, AGC, Fixed IRIS, Rol, Privacy Area, Smart Illumination		True WDR 120db, BLC, HLC, 3D DNR, AWB, AGC, Fixed IRIS, Rol, Privacy Area, Smart Illumination		True WDR 120db, BLC, HLC, 3D DNR, AWB, AGC, Fixed IRIS, Rol, Privacy Area, Smart Illumination		True WDR 120db, BLC, HLC, 3D DNR, AWB, AGC, Fixed IRIS, Rol, Privacy Area, Smart Illumination		Ai-ISP, True WDR 120db, BLC, HLC, 3D DNR, AWB, AGC, Fixed IRIS, Rol, Privacy Area, Smart Illumination, Defog, LDC		Ai-ISP, True WDR 120db, BLC, HLC, 3D DNR, AWB, AGC, Fixed IRIS, Rol, Privacy Area, Smart Illumination, Defog, LDC		Ai-ISP, True WDR 120db, BLC, HLC, 3D DNR, AWB, AGC, Fixed IRIS, Rol, Privacy Area, Smart Illumination, Defog, LDC	
Video Compression	Smart H.265+, MJPEG(Sub Stream), Dual Stream		Smart H.265+, MJPEG(Sub Stream), Dual Stream		Smart H.265+, MJPEG(Sub Stream), Dual Stream		Smart H.265+, MJPEG(Sub Stream), Dual Stream		Smart H.265+, MJPEG(Sub Stream), Dual Stream		Smart H.265+, MJPEG(Sub Stream), Dual Stream		Smart H.265+, MJPEG(Sub Stream), Dual Stream	
Ai & Detection Features	Wiz Sense		Wiz Sense		Wiz Sense		Wiz Sense		Wiz Sense		Wiz Sense		Wiz Sense	
	SMD+, IVS: Intrusion, Tripwire by Deep Learning		SMD+, IVS: Intrusion, Tripwire by Deep Learning		SMD+, IVS: Intrusion, Tripwire by Deep Learning		SMD+, IVS: Intrusion, Tripwire by Deep Learning		SMD+, IVS: Intrusion, Tripwire by Deep Learning		SMD+, IVS: Intrusion, Tripwire by Deep Learning		SMD+, IVS: Intrusion, Tripwire by Deep Learning	
LAN / User Bandwidth	RJ-45(10/100 Base-T) 20 Users, 48Mbps		RJ-45(10/100 Base-T) 20 Users, 48Mbps		RJ-45(10/100 Base-T) 20 Users, 36Mbps		RJ-45(10/100 Base-T) 20 Users, 48Mbps		RJ-45(10/100 Base-T) 20 Users, 48Mbps		RJ-45(10/100 Base-T) 20 Users, 48Mbps		RJ-45(10/100 Base-T) 20 Users, 48Mbps	
Access Protocols	Onvif(S, T, G), SDK, API, CGI, Genet, Milestone, P2P		Onvif(S, T, G), SDK, API, CGI, Genet, Milestone, P2P		Onvif(S, T, G), SDK, API, CGI, Genet, Milestone, P2P		Onvif(S, T, G), SDK, API, CGI, Genet, Milestone, P2P		Onvif(S, T, G, M), SDK, API, CGI, Genet, Milestone, P2P		Onvif(S, T, G, M), SDK, API, CGI, Genet, Milestone, P2P		Onvif(S, T, G, M), SDK, API, CGI, Genet, Milestone, P2P	
Audio Compression	G.711a, G.711Mu, G.726, PCM		G.711a, G.711Mu, G.726, PCM		G.711a, G.711Mu, G.726, PCM		G.711a, G.711Mu, G.726, PCM		G.711a, G.711Mu, G.726, PCM		G.711a, G.711Mu, G.726, PCM		G.711a, G.711Mu, G.726, PCM	
Audio in/out	1/Built-in MIC		1/Built-in MIC		1/Built-in MIC		1/Built-in MIC		Built-in MIC		Built-in MIC		Built-in MIC	
Alarm in/out	1/1 5mA 3V-5VDC/300mA 12VDC		1/1 5mA 3V-5VDC/300mA 12VDC		1/1 5mA 3V-5VDC/300mA 12VDC		1/1 5mA 3V-5VDC/300mA 12VDC		N/A		N/A		N/A	
Storage	Micro SD 256GB Dahua Cloud, FTP, SFTP		Micro SD 256GB Dahua Cloud, FTP, SFTP		Micro SD 256GB Dahua Cloud, FTP, SFTP		Micro SD 256GB Dahua Cloud, FTP, SFTP		Micro SD 256GB Dahua Cloud, FTP, SFTP, NAS		Micro SD 256GB Dahua Cloud, FTP, SFTP, NAS		Micro SD 256GB Dahua Cloud, FTP, SFTP, NAS	
ROM/RAM	128MB/256MB		128MB/256MB		128MB/128MB		128MB/256MB		128MB/256MB		128MB/256MB		128MB/256MB	
Case Material	Metal		Metal		Metal		Metal		Metal		Metal		Metal+Plastic	
H/S Protection	IP67/IK10/Low Anti Corrosion 4KV Lightning, Cyber Security		IP67/IK10/Low Anti Corrosion 4KV Lightning, Cyber Security		IP67/IK10/Low Anti Corrosion 4KV Lightning, Cyber Security		IP67/IK10/Low Anti Corrosion 4KV Lightning, Cyber Security		IP67/IK10/Basic Anti Corrosion 4KV Lightning, Cyber Security		IP67/IK10/Basic Anti Corrosion 4KV Lightning, Cyber Security		IP67/IK10/Basic Anti Corrosion 4KV Lightning, Cyber Security	
Power	±30%DC12V/2.3W-Max 6.7W PoE(802.3af)3W-Max 7.9W		±30%DC12V/2.6W-Max 7W PoE(802.3af)3.4W-Max 8.3W		±30%DC12V/2.6W-Max 10.2W PoE(802.3af)3.1W-Max 12.7W		±30%DC12V/2.6W-Max 10.2W PoE(802.3af)3.1W-Max 12.7W		±30%DC12V/1.4W-Max 5.4W PoE(802.3af)1.7W-Max 6.3W		±30%DC12V/2.3W-Max 6.1W PoE(802.3af)3.2W-Max 7.4W		±30%DC12V/1.7W-Max 4.9W PoE(802.3af)2W-Max 5.5W	
Temp/Humidity	-40°C ~ +60°C/95%		-40°C ~ +60°C/95%		-30°C ~ +60°C/95%		-30°C ~ +60°C/95%		-40°C ~ +60°C/95%		-40°C ~ +60°C/95%		-40°C ~ +60°C/95%	
Price	258,500,000		275,500,000		372,800,000		453,000,000		199,000,000		306,000,000		199,000,000	

				
Model	HFW2549TL-S-PV	HFW3549T1-AS-PV	HFW3849T1-AS-PV-S3	HFW3849T1-AS-PV-S4
Type	IPC Active Deterrence Bullet	IPC Active Deterrence Bullet	IPC Active Deterrence Bullet	IPC Active Deterrence Bullet
Sensor Type	Progressive CMOS	Progressive CMOS	Progressive CMOS	Progressive CMOS
Resolution/Size	5MP 1/2.7"	5MP 1/2.7"	4K 1/2.8"	4K 1/2.8"
Lens Res/FL/Type	5MP 3.6mm fixed/M12	5MP 3.6mm fixed/M12	4K 3.6mm fixed/M12	4K 3.6mm fixed/M12
Max fps	5MP@20fps	5MP@20fps	4K@30fps	4K@30fps
Effective Pixels	2960(H)x1688(V)	2960(H)x1688(V)	3840(H)x2160(V)	3840(H)x2160(V)
Aperture	0.006 lux@F1.0 Color	0.003 lux@F1.0 Color	0.004 lux@F1.0 Color	0.004 lux@F1.0 Color
Min Illumination	0.0006 lux@F1.0 B/W	0.0003 lux@F1.0 B/W	0.0004 lux@F1.0 B/W	0.0004 lux@F1.0 B/W
Illumination Type				
Light Distance	2 IR LEDs/30m - 2 Warmlight LEDs/30m	2 IR LEDs/30m - 2 Warmlight LEDs/30m	2 IR LEDs/30m - 2 Warmlight LEDs/30m	2 IR LEDs/30m - 2 Warmlight LEDs/30m
Day/Night				
HFoV	91.9°	78°	85°	85°
DORI Distance	Detect: 77.8m Observe: 31.1m Recognize: 15.6m Identify: 7.8m	Detect: 78m Observe: 31.2m Recognize: 15.6m Identify: 7.8m	Detect: 107.6m Observe: 43m Recognize: 21.5m Identify: 10.8m	Detect: 107.6m Observe: 43m Recognize: 21.5m Identify: 10.8m
CFD	2m	2.2m	2.8m	2.8m
Image Enhancement	True WDR 120db, BLC, HLC, 3D DNR, AWB, AGC, Fixed IRIS, RoI, Privacy Area, Smart Dual Illumination	Ai SSA , True WDR 120db, BLC, HLC, 3D DNR, AWB, AGC, Fixed IRIS, RoI, Privacy Area, Smart Dual Illumination, Defog	SSA , True WDR 120db, BLC, HLC, 3D DNR, AWB, AGC, Fixed IRIS, RoI, Privacy Area, Smart Dual Illumination, Defog	Ai SSA , True WDR 120db, BLC, HLC, 3D DNR, AWB, AGC, Fixed IRIS, RoI, Privacy Area, Smart Dual Illumination, Defog
Video Compression	Ai Coding, Smart H.265+, MJPEG(Sub Stream) Dual Stream	Ai Coding, Smart H.265+, MJPEG(Sub Stream) Triple Stream	Ai Coding, Smart H.265+, MJPEG(Sub Stream) Triple Stream	Ai Coding, Smart H.265+, MJPEG(Sub Stream) Triple Stream
Ai & Detection Features	Active Deterrence Sound and light alarm One-tap arming/disarming SMD 4.0, Deep Learning IVS: Intrusion, Tripwire	Active Deterrence Quick Pick Sound and light alarm One-tap arming/disarming SMD 4.0, Deep Learning IVS: Intrusion, Tripwire	Active Deterrence Quick Pick Sound and light alarm One-tap arming/disarming SMD 3.0, Deep Learning IVS: Intrusion, Tripwire	Active Deterrence Quick Pick Sound and light alarm One-tap arming/disarming SMD 4.0, Deep Learning IVS: Intrusion, Tripwire
LAN / User Bandwidth	RJ-45(10/100 Base-T), 20 Users, 48Mbps	RJ-45(10/100 Base-T), 20 Users, 72Mbps	RJ-45(10/100 Base-T), 20 Users, 72Mbps	RJ-45(10/100 Base-T), 20 Users, 72Mbps
Access Protocols	Onvif(S, T, G), SDK, API, CGI, Genetec, Milestone, P2P	Onvif(S, T, G), SDK, API, CGI, Genetec, Milestone, P2P	Onvif(S, T, G), SDK, API, CGI, Genetec, Milestone, P2P	Onvif(S, T, G), SDK, API, CGI, Genetec, Milestone, P2P
Audio Compression	G.711a, G.711Mu, G.726, PCM	G.711a, G.711Mu, G.726, G723, PCM	G.711a, G.711Mu, G.726, G723, PCM	G.711a, G.711Mu, G.726, G723, PCM
Audio in/out	 	 	 	 
Alarm in/out	N/A	1/1 5mA 3V~5VDC/300mA 12VDC	1/1 5mA 3V~5VDC/300mA 12VDC	1/1 5mA 3V~5VDC/300mA 12VDC
Storage	Micro SD 256GB, Dahua Cloud, FTP, SFTP, NAS	Micro SD 256GB, Dahua Cloud, FTP, SFTP, NAS	Micro SD 256GB, Dahua Cloud, FTP, SFTP, NAS	Micro SD 256GB, Dahua Cloud, FTP, SFTP, NAS
ROM/RAM	128MB/256MB	128MB/512MB	128MB/512MB	128MB/512MB
Case Material	Metal	Metal+Plastic	Metal+Plastic	Metal+Plastic
H/S Protection	IP67/4KV Lightning, Cyber Security	IP67/4KV Lightning, Cyber Security	IP67/4KV Lightning, Cyber Security	IP67/4KV Lightning, Cyber Security
Power	±30%DC12V/2.1W-Max 11.6W PoE(802.3af)2.8W-Max 13.5W	±30%DC12V/3.3W-Max 6.8W PoE(802.3af)4.4W-Max 8.2W	±30%DC12V/3.1W-Max 8.6W PoE(802.3af)4.3W-Max 11W	±30%DC12V/4.5W-Max 7.6W PoE(802.3af)5.5W-Max 9.1W
Temp/Humidity	-40°C ~ +60°C/95%	-40°C ~ +60°C/95%	-40°C ~ +60°C/95%	-40°C ~ +60°C/95%
Price	207,500,000	365,000,000	445,000,000	448,000,000

Model	PFW3849S-A180-AS-PV	SD2A500NB-GNY-A-PV	PTS2249B-EZ-S-PV-PRO	SDT4E425-4F-GB-A-PV1	SDT4E425-8P-GB-A-PV1-SL	NEW	SD3A20S-GNP-PV
Type	IPC Active Deterrence Bullet	IPC Active Deterrence PT	IPC Active Deterrence PT+Panorama	IPC Active Deterrence PTZ+Panorama	IPC Active Deterrence PTZ+Panorama		IPC Starlight IR AI WizSense PTZ
Sensor Type Resolution/Size	Progressive CMOS 4K 1/2.7"	STARVIS™ Progressive CMOS 5MP 1/2.8"	Panorama: 2MP 1/2.9" Progressive CMOS Detail: 2MP 1/2.9" Progressive CMOS	Panorama: 4MP 1/2.8" Progressive CMOS Detail: 4MP 1/2.8" Progressive CMOS STARVIS™	Panorama: 8MP 1/2.7" Progressive CMOS Detail: 4MP 1/2.8" Progressive CMOS STARVIS™		Progressive CMOS 2MP 1/2.8"
Lens Res/FL/Type	4K 2.8mm fixed/M12	5MP 4mm fixed/M12	Both Channels 2MP 3.6mm fixed/M12	Panorama: 2.8mm F1.4 Detail: 5mm-125mm F1.6 - F3.6	Panorama: 2.8mm F1.4 Detail: 5mm-125mm F1.6 - F3.6		2MP 2.7-13.5mm F1.8-F3.3
Max fps Effective Pixels	4K@20fps 4096(H)x1860(V)	5MP@30fps 2560(H)x1920(V)	Panorama: 2MP@30fps / 1920(H)x1080(V) Detail: 2MP@30fps / 1920(H)x1080(V)	Panorama: 4MP@30fps / 2560(H)x1440(V) Detail: 4MP@30fps / 2560(H)x1440(V)	Panorama: 4MP@30fps / 4096(H)x1860(V) Detail: 4MP@30fps / 2560(H)x1440(V)		2MP@30fps 1920(H)x1080(V)
Aperture Min Illumination	0.005 lux@F1.4 Color 0.0005 lux@F1.4 B/W	0.05 lux@F1.6 Color 0.005 lux@F1.6 B/W	Both Channels 0.0006 lux@F1.0	Panorama: 0.001 lux@F1.0 Color 0.0005 lux@F1.0 B/W Detail: 0.005 lux@F1.6 Color 0.0005 lux@F1.6 B/W	Panorama: 0.005 lux@F1.4 Color 0.0005 lux@F1.4 B/W Detail: 0.005 lux@F1.6 Color 0.0005 lux@F1.6 B/W		0.002 lux@F1.8 Color 0.0002 lux@F1.8 B/W
Illumination Type							
Light Distance	2 IR LEDs/25m - 2 Warmlight LEDs/20m	2 IR LEDs/30m - 2 Warmlight LEDs/30m	4 Warmlight LEDs/30m	Panorama: 2 IR 30m / 2 Warmlight 30m Detail: 2 IR 100m / 2 Dual Light Fusion 50m	Panorama: 2 IR 30m / 2 Warmlight 30m Detail: 2 IR 100m / 2 Dual Light Fusion 50m		4 IR LEDs/30m - 1 White light
Day/Night		Auto(ICR)/Color/B/W/SNR<55dB					
HFoV	180°	80.4°	81°	Panorama: 101° / Detail: 51.9°-3.0°	Panorama: 180° / Detail: 51.9°-3.0°		101.6°-33.5°
DORI Distance	Detect: 50.6m / Observe: 20.2m Recognize: 10.1m / Identify: 5.1m	Detect: 77.4m / Observe: 31m Recognize: 15.5m / Identify: 7.74m	Detect: 55.7m / Observe: 22.3m Recognize: 11.1m / Identify: 5.6m	Detect: 2500m / Observe: 987.5m Recognize: 500m / Identify: 250m	Panorama: D:56m O:22.4 R:11.2 I:5.6 Detail: D: 100-2500m O: 40-1000m R: 20-500m I: 10-250m		Detect: 131m / Observe: 52.3m Recognize: 26m / Identify: 12.8m
CFD	0.8m	0.3m	Both Channels 1.7m	Panorama: 0.2m / Detail: 0.1m-0.5m	Panorama: 0.6m / Detail: 0.1m-0.5m		1.2m
PTZ	Multivision Panoramic 180° Angle View	Pan/Tilt Range: Pan: 0° to 345°, Tilt: 0° to +80° Manual Control Speed: Pan 0.1°/s-74°/s, Tilt 0.1°/s-36.4°/s Preset: 300 Pan: 0.1°-62°/s, Tilt: 0.1°-36.3°/s Power-off Memory, Idle Motion(Preset)	Channel 1 (PT Lens): Pan: 0° to 350°; Tilt: 0° to 90°; Channel 2 (Fixed Lens): Pan: 0° to 326°; Tilt: -10° to 15° Manual Control Speed: Pan: 0.1°/s-55.4°/s; Tilt: 0.1°/s-29.3°/s Preset: 300 / Pan: 55.4°/s; Tilt: 29.3°/s Tour 8 Power-off Memory, Idle Motion(Tour, Preset)	25x Optical Zoom Focus Control: Auto, Semi-Auto, Manual Panorama: Tilt: 13° to 23° Detail: Pan: 0° to 360°, Tilt: -15° to 90° Preset: 300 / Pan: 240°/s, Tilt: 200°/s Tour 8, Pattern 5, Scan 5 Power-off Memory, Idle Motion Smart Track, Auto Track	25x Optical Zoom Focus Control: Auto, Semi-Auto, Manual Panorama: Tilt: 13° to 23° Detail: Pan: 0° to 360°, Tilt: -15° to 90° Preset: 300 / Pan: 240°/s, Tilt: 200°/s Tour 8, Pattern 5, Scan 5 Power-off Memory, Idle Motion Smart Track, Auto Track		 5x Optical Zoom Preset: 300/Pan: 81°/s; Tilt: 43°/s Power off Memory, Idle Motion(Preset)
Image Enhancement	SSA, True WDR 120db, BLC, HLC, 3D DNR, AWB, AGC, Fixed IRIS, Rol, Privacy Area, Smart Dual Illumination, Defog	DWDR, BLC, HLC, 3D DNR, AWB, AGC, Fixed IRIS, Rol, Privacy Area, Smart Dual Illumination, E-Defog	AI ISP, SSA, LDC, True WDR 120db, BLC, HLC, 3D DNR, AWB, AGC, Fixed IRIS, Rol, Privacy Area, Defog Smart Illumination	SSA, True WDR 120db, BLC, HLC, 3D/2D DNR, AWB, AGC, Auto/Manual IRIS, Rol, Privacy Area Smart Dual Illumination, E-Defog, EIS, 16x Digital Zoom	True WDR 120db, BLC, HLC, 3D/2D DNR, AWB, AGC, Auto/Manual IRIS, Rol, Privacy Area Smart Dual Illumination, E-Defog, EIS, 16x Digital Zoom		DWDR, BLC, HLC, 3D/2D DNR, AWB, AGC, Fixed IRIS, Rol, Privacy Area, Smart Illumination, E-Defog
Video Compression	AI Coding, Smart H.265+, MJPEG(Sub Stream) Dual Stream	AI Coding, Smart H.265+, MJPEG(Sub Stream) Dual Stream	AI Coding, Smart H.265+, MJPEG(Sub Stream) Dual Stream	AI Coding, Smart H.265+, MJPEG(Sub Stream) Triple Stream	AI Coding, Smart H.265+, MJPEG(Sub Stream) Triple Stream		Smart H.265+, MJPEG(Sub Stream), Triple Stream
AI & Detection Features	 Active Deterrence Quick Pick, E-PTZ Sound and light alarm One-tap arming/disarming SMD 4.0, Deep Learning IVS: Intrusion, Tripwire, Stay, Loitering	 Active Deterrence Sound and light alarm One-tap arming/disarming SMD 3.0, Deep Learning IVS: Intrusion, Tripwire	 Active Deterrence Sound and light alarm One-tap arming/disarming SMD+, Deep Learning IVS: Intrusion, Tripwire	 Active Deterrence Quick Pick, E-PTZ Sound and light alarm One-tap arming/disarming Auto Track, Smart Track SMD 4.0, Deep Learning IVS: Intrusion, Tripwire, Climbing Fences, Stay, Loitering, Object Detection, Fast Moving, Parking, People Gathering	 Active Deterrence Quick Pick, E-PTZ Sound and light alarm One-tap arming/disarming Auto Track, Smart Track SMD 4.0, Deep Learning IVS: Intrusion, Tripwire, Crossing Fences, Stay, Loitering, Object Detection, Fast Moving, Parking, People Gathering, Sound Alarm		 SMD+, Deep Learning IVS: Intrusion, Tripwire
LAN / User Bandwidth	RJ-45(10/100 Base-T), 20 Users, 64Mbps	RJ-45(10/100 Base-T), 20 Users, 64Mbps	RJ-45(10/100 Base-T), 20 Users, 48Mbps	RJ-45(10/100 Base-T), 20 Users, 64Mbps	RJ-45(100/1000 Base-T), 20 Users, 64Mbps		RJ-45(10/100 Base-T) 20 Users, 64Mbps
Access Protocols	Onvif(S, T, G), SDK, API, CGI, Genetec, Milestone, P2P	Onvif(S, T), SDK, API, CGI, Genetec, Milestone, P2P	Onvif(S, T, G), SDK, API, CGI, Genetec, Milestone, P2P	Onvif(S, T, G), SDK, API, CGI, Genetec, Milestone, P2P	Onvif(S, T, G), SDK, API, CGI, Genetec, Milestone, P2P		Onvif(S, T, G), SDK, API, CGI, Genetec, Milestone, P2P
Audio Compression	G.711a, G.711Mu, G.726, PCM	G.711a, G.711Mu, G.726, AAC, PCM	G.711a, G.711Mu, G.726, PCM	PCM, G.711a, G.711Mu, G.726, MPEG2-Layer2, G722.1, G729, G723	PCM, G.711a, G.711Mu, G.726, MPEG2-Layer2, G.722.1, G.729		G.711a, G.711Mu, G.726, AAC, MPEG2-Layer2, G722.1, G729, G723
Audio in/out	1/1 +			1/1 +	1/1 +		
Alarm in/out	1/1 5mA 3V~5VDC/300mA 12VDC	1/1 5mA 3V~5VDC/300mA 12VDC	1/1 5mA 3V~5VDC/300mA 12VDC	2/1 5mA 3V~5VDC/300mA 12VDC	2/1 5mA 3V~5VDC/300mA 12VDC		N/A
Storage	Micro SD 512GB, Dahua Cloud, FTP, SFTP, NAS	Micro SD 256GB, Dahua Cloud, FTP	Micro SD 256GB, Dahua Cloud, FTP, SFTP, NAS	Micro SD 512GB, Dahua Cloud, FTP, SFTP, NAS	Micro SD 512GB, Dahua Cloud, FTP, SFTP, NAS		Micro SD 256GB, Dahua Cloud, FTP, NAS
ROM/RAM	128MB/1GB	128MB/128MB	128MB/256MB	Panorama: 4GB/1GB - Detail: 4GB/1GB	Panorama: 4GB/2GB - Detail: 4GB/1GB		256MB/512MB
Case Material	Metal	Plastic	Plastic	Metal	Metal		Metal
H/S Protection	IP66/4KV Lightning, Cyber Security	IP66/TVS 2000V lightning, Surge, Voltage Transient, Waterproof & Dustproof, Cyber Security	IP66/4KV Lightning, Cyber Security	IP66, TVS 6000V Lightning, Surge Voltage Transient, Cyber Security	IP66, TVS 6000V Lightning, Surge Voltage Transient, Cyber Security		IP66/TVS 2000V Lightning, Surge Voltage Transient, Cyber Security
Power	±30%DC12V/3.4W-Max 9W PoE(802.3af)3.8W-Max 10.3W	12 VDC/1.5 A ± 10% PoE (802.3af) Basic: 3.5 W; Max: 10 W (Illuminator)	±30%DC12V/2.3W-Max 9.2W PoE(802.3af)3.1W-Max 10.5W	±30%DC12V/±10% 3A/PoE(802.3at) Basic 12W/Max 25W	±30%DC12V/±10% 3A/PoE(802.3at) Basic 14W/Max 25W		±30%DC12V/2A ±10% Basic: 5W Max: 12W
Temp/Humidity	-40°C ~ +60°C/95%	-30°C ~ +55°C/95%	-40°C ~ +50°C/95%	-40°C ~ +65°C/95%	-40°C ~ +65°C/95%		-30°C ~ +60°C/95%
Price	589,000,000	155,000,000	313,500,000	958,000,000	1,570,000,000		299,800,000

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Model	SD40225DB-HNY	SD4D425MB-HNR	SD49225XA-HNR-S3	SD49225DB-HNY	SD494225GB-HNR	SD49425ZB-HNR	SD49425XB-HNR
Type	IPC Dual Light PTZ	IPC Dual Light PTZ	IPC Starlight PTZ	IPC Starlight PTZ	IPC Starlight PTZ	IPC Starlight PTZ	IPC Starlight PTZ
Sensor Type Resolution/Size	STARVIS™ Progressive CMOS 2MP 1/2.8"	Progressive CMOS 4MP 1/2.8"	STARVIS™ Progressive CMOS 2MP 1/2.8"	STARVIS™ Progressive CMOS 2MP 1/2.8"	STARVIS™ Progressive CMOS 4MP 1/2.8"	STARVIS™ Progressive CMOS 4MP 1/2.8"	STARVIS™ Progressive CMOS 4MP 1/2.8"
Lens Res/FL/Type	2MP 4.8mm~125mm F1.6-F3.5	4MP 4.8mm~125mm F1.6-F3.6	2MP 4.8mm~120mm F1.6-F3.8	2MP 4.8mm~120mm F1.6-F3.5	4MP 5mm~126mm F1.6-F3.5	4MP 4.8mm~120mm F1.6-F3.5	4MP 4.8mm~120mm F1.6-F4.0
Max fps Effective Pixels	2MP@30fps 1920(H)x1080(V)	4MP@30fps 2560(H)x1440(V)	2MP@30fps 1920(H)x1080(V)	2MP@30fps 1920(H)x1080(V)	4MP@30fps 2560(H)x1440(V)	4MP@30fps 2560(H)x1440(V)	4MP@30fps 2560(H)x1440(V)
Aperture Min Illumination	0.005 lux@F1.6 Color 0.0005 lux@F1.6 B/W	0.005 lux@F1.6 Color 0.0005 lux@F1.6 B/W	0.005 lux@F1.6 Color 0.0005 lux@F1.6 B/W	0.005 lux@F1.6 Color 0.0005 lux@F1.6 B/W	0.005 lux@F1.6 Color 0.0005 lux@F1.6 B/W	0.005 lux@F1.6 Color 0.0005 lux@F1.6 B/W	0.005 lux@F1.6 Color 0.0005 lux@F1.6 B/W
Illumination Type	Zoom Prio Illumination	Zoom Prio Illumination					
Light Distance	2 Dual Light Fusion 2 IR 100m / 2 Warmlight 100m	2 Dual Light Fusion 2 IR 100m / 2 Warmlight 100m	4 IR LEDs/100m	3 IR LEDs/100m	4 IR LEDs/100m	4 IR LEDs/100m	4 IR LEDs/100m
Day/Night							
HFoV	58.5°~2.8°	54.1°~3.4°	56.2°~2.6°	58.5°~2.8°	51.9°~3.0°	55.8°~2.4°	60.0°~2.5°
DORI Distance	Detect: 66.2m-1655.2m Observe: 26.5m-662.1m Recognize: 13.2m-331m Identify: 6.6m-165.5m	Detect: 100m-2500m Observe: 40m-1000m Recognize: 20m-500m Identify: 10m-250m	Detect: 2400m Observe: 948m Recognize: 480m Identify: 240m	Detect: 1613m Observe: 646m Recognize: 323m Identify: 161m	Detect: 2500m Observe: 987.5m Recognize: 500m Identify: 250m	Detect: 2566m Observe: 1026m Recognize: 513m Identify: 256m	Detect: 2540m Observe: 1016m Recognize: 508m Identify: 254m
CFD	0.1~1.5m	0.1~0.5m	0.1m~1.5m	0.1m~1.5m	0.1m~1.5m	0.1m~1.5m	0.1m~1.5m
PTZ	25x Optical Zoom Focus Control: Auto, Semi-Auto, Manual Pan/Tilt Range: Pan: 0° to 360° endless Tilt: -15° to +90°, auto flip 180° Manual Control Speed: Pan: 0.1°/s~200°/s Tilt: 0.1°/s~100°/s Preset: 300 / Pan: 200°/s; Tilt: 100°/s Tour 8, Pattern 5, Scan 5 Power-off Memory, Idle Motion PTZ Protocol: DH-SD, Pelco-P/D Auto Track	25x Optical Zoom Focus Control: Auto, Semi-Auto, Manual Pan/Tilt Range: Pan: 0° to 360° endless Tilt: -15° to +90°, auto flip 180° Manual Control Speed: Pan: 0.1°/s~200°/s Tilt: 0.1°/s~100°/s Preset: 300 / Pan: 200°/s; Tilt: 100°/s Tour 8, Pattern 5, Scan 5 Power-off Memory, Idle Motion PTZ Protocol: DH-SD, Pelco-P/D Auto Track	25x Optical Zoom Focus Control: Auto, Semi-Auto, Manual Pan/Tilt Range: Pan: 0° to 360° endless Tilt: -15° to +90°, auto flip 180° Manual Control Speed: Pan: 0.1°/s~200°/s Tilt: 0.1°/s~100°/s Preset: 300 / Pan: 200°/s; Tilt: 100°/s Tour 8, Pattern 5, Scan 5 Power-off Memory, Idle Motion PTZ Protocol: DH-SD, Pelco-P/D	25x Optical Zoom, 16x Digital Zoom Focus Control: Auto, Semi-Auto, Manual Pan/Tilt Range: Pan: 0° to 360° endless Tilt: -15° to +90°, auto flip 180° Manual Control Speed: Pan: 0.1°/s~200°/s Tilt: 0.1°/s~80°/s Preset: 300 / Pan: 80°/s; Tilt: 80°/s Tour 8, Pattern 5, Scan 5 Power-off Memory, Idle Motion PTZ Protocol: DH-SD, Pelco-P/D	25x Optical Zoom, 16x Digital Zoom Focus Control: Auto, Semi-Auto, Manual Pan/Tilt Range: Pan: 0° to 360° endless Tilt: -15° to +90°, auto flip 180° Manual Control Speed: Pan: 0.1°/s~200°/s Tilt: 0.1°/s~120°/s Preset: 300 / Pan: 240°/s; Tilt: 200°/s Tour 8, Pattern 5, Scan 5 Power-off Memory, Idle Motion PTZ Protocol: DH-SD, Pelco-P/D	25x Optical Zoom, 16x Digital Zoom Focus Control: Auto, Semi-Auto, Manual Pan/Tilt Range: Pan: 0° to 360° endless Tilt: -15° to +90°, auto flip 180° Manual Control Speed: Pan: 0.1°/s~200°/s Tilt: 0.1°/s~120°/s Preset: 300 / Pan: 240°/s; Tilt: 200°/s Tour 8, Pattern 5, Scan 5 Power-off Memory, Idle Motion PTZ Protocol: DH-SD, Pelco-P/D	25x Optical Zoom, 16x Digital Zoom Focus Control: Auto, Semi-Auto, Manual Pan/Tilt Range: Pan: 0° to 360° endless Tilt: -15° to +90°, auto flip 180° Manual Control Speed: Pan: 0.1°/s~200°/s Tilt: 0.1°/s~120°/s Preset: 300 / Pan: 240°/s; Tilt: 200°/s Tour 8, Pattern 5, Scan 5 Power-off Memory, Idle Motion PTZ Protocol: DH-SD, Pelco-P/D
Image Enhancement	True WDR 120db, BLC, HLC, 3D/2D DNR, AWB, AGC, Auto IRIS, Rol, Privacy Area, Smart Illumination, Zoom Prio, E-Defog, EIS	True WDR 120db, BLC, HLC, 3D/2D DNR, AWB, AGC, Auto IRIS, Rol, Privacy Area, Smart Illumination, Zoom Prio, E-Defog, EIS	PFA Technology, True WDR 120db, BLC, HLC, 3D/2D DNR, AWB, AGC, Auto IRIS, Rol, Privacy Area, Smart Illumination, Zoom Prio, E-Defog	PFA Technology, EIS, True WDR 120db, BLC, HLC, 3D/2D DNR, AWB, AGC, Auto IRIS, Rol, Privacy Area, Smart Illumination, Zoom Prio, E-Defog	PFA Technology, EIS, True WDR 120db, BLC, HLC, 3D/2D DNR, AWB, AGC, Auto IRIS, Rol, Privacy Area, Smart Illumination, Zoom Prio, E-Defog	PFA Technology, EIS, True WDR 120db, BLC, HLC, 3D/2D DNR, AWB, AGC, Auto IRIS, Rol, Privacy Area, Smart Illumination, Zoom Prio, E-Defog	PFA Technology, EIS, True WDR 120db, BLC, HLC, 3D/2D DNR, AWB, AGC, Auto IRIS, Rol, Privacy Area, Smart Illumination, Zoom Prio, E-Defog
Video Compression	Smart H.265+, MJPEG(Sub Stream) Triple Stream	Smart H.265+, MJPEG(Sub Stream) Triple Stream	Smart H.265+, MJPEG(Sub Stream) Triple Stream	Smart H.265+, MJPEG(Sub Stream) Triple Stream	Smart H.265+, MJPEG(Sub Stream) Triple Stream	Smart H.265+, MJPEG(Sub Stream) Triple Stream	Smart H.265+, MJPEG(Sub Stream) Triple Stream
AI & Detection Features	Wiz Sense Face Detection, SMD 3.0, IVS: Intrusion, Tripwire by Deep Learning, Crossing Fence, Loitering, Fast Moving, Parking, People Gathering, Object Detection, Auto Patrol	Wiz Sense AcuPick, Face Detection, Face Attributes, SMD 4.0, IVS: Intrusion, Tripwire by Deep Learning, Loitering, Fast Moving, Parking, People Gathering, Object Detection, Auto Patrol, WizTracking	Wiz Sense Face Detection, SMD+, IVS: Intrusion, Tripwire by Deep Learning	Wiz Sense Face Detection, Face Attributes, SMD 3.0, IVS: Intrusion, Tripwire by Deep Learning, Loitering, Fast Moving, Parking, People Gathering, Object Detection, Auto Patrol	Wiz Sense Acu Pick, Face Detection, Face Attributes, SMD 4.0, IVS: Intrusion, Tripwire by Deep Learning, Loitering, Fast Moving, Parking, People Gathering, Object Detection, Auto Patrol	Wiz Sense Acu Pick, Face Detection, Face Attributes, SMD 4.0, IVS: Intrusion, Tripwire by Deep Learning, Loitering, Fast Moving, Parking, People Gathering, Object Detection, Auto Patrol	Wiz Sense Face Detection, Face Attributes, SMD 4.0, IVS: Intrusion, Tripwire by Deep Learning, Loitering, Fast Moving, Parking, People Gathering, Object Detection, Auto Patrol
LAN User Bandwidth	RJ-45(10/100 Base-T) 20 Users, 64Mbps	RJ-45(10/100 Base-T) 20 Users, 64Mbps	RJ-45(10/100 Base-T) 20 Users, 64Mbps	RJ-45(10/100 Base-T) 20 Users, 64Mbps	RJ-45(10/100 Base-T) 20 Users, 64Mbps	RJ-45(10/100 Base-T) 20 Users, 64Mbps	RJ-45(10/100 Base-T) 20 Users, 64Mbps
Access Protocols	Onvif(S, T, G), SDK, API, CGI, Genetec, Milestone, P2P	Onvif(S, T, G), SDK, API, CGI, Genetec, Milestone, P2P	Onvif(S, T, G), SDK, API, CGI, Genetec, Milestone, P2P	Onvif(S, T, G), SDK, Dahua SDK, API, CGI, Genetec, Milestone, P2P	Onvif(S, T, G), SDK, Dahua SDK, API, CGI, Genetec, Milestone, P2P, RTMP	Onvif(S, T, G), SDK, Dahua SDK, API, CGI, Genetec, Milestone, P2P, RTMP	Onvif(S, T, G), SDK, Dahua SDK, API, CGI, Genetec, Milestone, P2P, RTMP
Audio Compression	G.711a, G.711Mu, G.722.1, G.726, MPEG2-Layer2, G.729	G.711a, G.711Mu, G.722.1, G.726, MPEG2-Layer2, G.729, G723, PCM	N/A	G.711a, G.711Mu, G.722.1, G.726, MPEG2-Layer2, G.729	G.711a, G.711Mu, G.722.1, G.726, MPEG2-Layer2, G.729, G723, PCM	G.711a, G.711Mu, G.722.1, G.726, MPEG2-Layer2, G.729, G723, PCM	G.711a, G.711Mu, G.722.1, G.726, MPEG2-Layer2, G.729, G723, PCM
Audio in/out	1/1	1/1	N/A	1/1	1/1	1/1	1/1
Alarm in/out	2/1 5mA 3-5VDC/1000mA 30VDC/500mA 50VDC	2/1 5mA 3-5VDC/1000mA 30VDC/500mA 50VDC	2/1 5mA 3-5VDC/1000mA 30VDC/500mA 50VDC	2/1 5mA 3-5VDC/1000mA 30VDC/500mA 50VDC	2/1 5mA 3-5VDC/1000mA 30VDC/500mA 50VDC	2/1 5mA 3-5VDC/1000mA 30VDC/500mA 50VDC	2/1 5mA 3-5VDC/1000mA 30VDC/500mA 50VDC
Storage	Micro SD 512GB Dahua Cloud, FTP, NAS	Micro SD 512GB Dahua Cloud, FTP, NAS	Micro SD 512GB Dahua Cloud, FTP, NAS	Micro SD 512GB Dahua Cloud, FTP, NAS	Micro SD 512GB Dahua Cloud, FTP, SFTP, NAS	Micro SD 512GB Dahua Cloud, FTP, SFTP, NAS, Local PC	Micro SD 256GB Dahua Cloud, FTP, SFTP, NAS, Local PC
ROM/RAM	256MB/512MB	4GB/1GB	256MB/512MB	128MB/256MB	4GB/1GB	4GB/1GB	4GB/1GB
Case Material	Aluminum alloy ADC12	Aluminum alloy ADC12	Aluminum alloy ADC12	Aluminum alloy ADC12	Aluminum alloy ADC12	Aluminum alloy ADC12	Aluminum alloy ADC12
H/S Protection	IP67/6KV Lightning, Surge, Voltage Transient Cyber Security	IP67/6KV Lightning, Surge, Voltage Transient Cyber Security	IP66/6KV Lightning, Surge, Voltage Transient Cyber Security	IP66/6KV Lightning, Surge, Voltage Transient Cyber Security	IP66/6KV Lightning, Surge, Voltage Transient Cyber Security	IP66/6KV Lightning, Surge, Voltage Transient Cyber Security	IP66/6KV Lightning, Surge, Voltage Transient Cyber Security
Power	±30%DC12V/ 3A ±10%/PoE+ (802.3at) Basic: 12W Max.: 20W	±30%DC12V/ 3A ±10%/PoE+ (802.3at) Basic: 8W Max.: 20W-PoE:11W-23W	±30%DC12V/ 3A ±10%/PoE+ (802.3at) Basic: 12W Max.: 21W	±30%DC12V/ 3A ±10%/PoE+ (802.3at) Basic: 12W Max.: 20W	±30%DC12V/ 3A ±10%/PoE+ (802.3at) Basic: 9W Max.: 20W	±30%DC12V/ 3A ±10%/PoE+ (802.3at) Basic: 9.8W Max.: 20W	±30%DC12V/ 3A ±10%/PoE+ (802.3at) Basic: 13W Max.: 21W
Temp/Humidity	-40℃ ~ +60℃/95%	-40℃ ~ +70℃/95%	-40℃ ~ +65℃/95%	-40℃ ~ +60℃/95%	-40℃ ~ +70℃/95%	-40℃ ~ +70℃/95%	-40℃ ~ +70℃/95%
Price	1,020,000,000	1,130,000,000	699,000,000	699,000,000	839,500,000	839,500,000	839,500,000



Model	SD5A232XA-HNR	SD5A232XB-HNR	SD5A432XA-HNR	SD5A432XB-HNR	SD5A432GB-HNR
Type	IPC Starlight PTZ	IPC Starlight PTZ	IPC Starlight PTZ	IPC Starlight PTZ	IPC Starlight PTZ
Sensor Type	STARVIS™ Progressive CMOS	STARVIS™ Progressive CMOS	STARVIS™ Progressive CMOS	STARVIS™ Progressive CMOS	STARVIS™ Progressive CMOS
Resolution/Size	2MP 1/2.8"	2MP 1/2.8"	4MP 1/2.8"	4MP 1/2.8"	4MP 1/2.8"
Lens Res/FL/Type	2MP 4.9mm–156mm F1.35–F4.4	2MP 4.8mm–154mm F1.6–F4.0	4MP 4.9mm–156mm F1.35–F4.4	4MP 4.8mm–154mm F1.6–F4.0	4MP 4.8mm–154mm F1.6–F4.0
Max fps	2MP@60fps	2MP@60fps	4MP@60fps	4MP@30fps	4MP@30fps
Effective Pixels	1920(H)x1080(V)	1920(H)x1080(V)	2560(H)x1440(V)	2560(H)x1440(V)	2560(H)x1440(V)
Aperture	0.005 lux@F1.35 Color	0.005 lux@F1.6 Color	0.005 lux@F1.35 Color	0.005 lux@F1.6 Color	0.005 lux@F1.6 Color
Min Illumination	0.0005 lux@F1.35 B/W	0.0005 lux@F1.6 B/W	0.0005 lux@F1.35 B/W	0.0005 lux@F1.6 B/W	0.0005 lux@F1.6 B/W
Illumination Type					
Light Distance	4 IR LEDs/150m	4 IR LEDs/150m	4 IR LEDs/150m	4 IR LEDs/150m	4 IR LEDs/150m
Day/Night					
HFoV	62.8°~2.2°	58.44°~3.04°	61.6°~2.1°	55.81°~2.37°	55.8°~2.4°
DORI Distance	Detect: 2152m / Observe: 850m Recognize: 430m / Identify: 215m	Detect: 2124m / Observe: 839m Recognize: 425m / Identify: 212m	Detect: 3120m / Observe: 1232m Recognize: 624m / Identify: 312m	Detect: 2124m / Observe: 839m Recognize: 425m / Identify: 212m	Detect: 2124m / Observe: 839m Recognize: 425m / Identify: 212m
CFD	0.1m~1.5m	0.8m~5m	0.1m~1.5m	0.8m~5m	0.8m~5m
PTZ	32x Optical Zoom Focus Control: Auto, Semi-Auto, Manual Pan/Tilt Range: Pan: 0° to 360° endless Tilt: -15° to +90°, auto flip 180° Manual Control Speed: Pan: 0.1°/s~300°/s Tilt: 0.1°/s~200°/s Preset: 300 / Pan: 400°/s; Tilt: 300°/s Tour 8, Pattern 5, Scan 5 Power-off Memory, Idle Motion PTZ Protocol: DH-SD, Pelco-P/D	32x Optical Zoom Focus Control: Auto, Semi-Auto, Manual Pan/Tilt Range: Pan: 0° to 360° endless Tilt: -15° to +90°, auto flip 180° Manual Control Speed: Pan: 0.1°/s~300°/s Tilt: 0.1°/s~200°/s Preset: 300 / Pan: 400°/s; Tilt: 300°/s Tour 8, Pattern 5, Scan 5 Power-off Memory, Idle Motion PTZ Protocol: DH-SD, Pelco-P/D	32x Optical Zoom Focus Control: Auto, Semi-Auto, Manual Pan/Tilt Range: Pan: 0° to 360° endless Tilt: -15° to +90°, auto flip 180° Manual Control Speed: Pan: 0.1°/s~300°/s Tilt: 0.1°/s~200°/s Preset: 300 / Pan: 400°/s; Tilt: 300°/s Tour 8, Pattern 5, Scan 5 Power-off Memory, Idle Motion PTZ Protocol: DH-SD, Pelco-P/D	32x Optical Zoom Focus Control: Auto, Semi-Auto, Manual Pan/Tilt Range: Pan: 0° to 360° endless Tilt: -15° to +90°, auto flip 180° Manual Control Speed: Pan: 0.1°/s~300°/s Tilt: 0.1°/s~200°/s Preset: 300 / Pan: 400°/s; Tilt: 300°/s Tour 8, Pattern 5, Scan 5 Power-off Memory, Idle Motion PTZ Protocol: DH-SD, Pelco-P/D	32x Optical Zoom Focus Control: Auto, Semi-Auto, Manual Pan/Tilt Range: Pan: 0° to 360° endless Tilt: -15° to +90°, auto flip 180° Manual Control Speed: Pan: 0.1°/s~300°/s Tilt: 0.1°/s~200°/s Preset: 300 / Pan: 400°/s; Tilt: 300°/s Tour 8, Pattern 5, Scan 5 Power-off Memory, Idle Motion PTZ Protocol: DH-SD, Pelco-P/D
Image Enhancement	PFA Technology , True WDR 120db, BLC, HLC, 3D/2D DNR, AWB, AGC, Auto IRIS, Rol, Privacy Area, Smart Illumination, Zoom Prio, E-Defog , Auto Tracking	PFA Technology , True WDR 120db, BLC, HLC, 3D/2D DNR, AWB, AGC, Auto IRIS, Rol, Privacy Area, Smart Illumination, Zoom Prio, E-Defog , Auto Tracking	PFA Technology , True WDR 120db, BLC, HLC, 3D/2D DNR, AWB, AGC, Auto IRIS, Rol, Privacy Area, Smart Illumination, Zoom Prio, E-Defog , Auto Tracking	PFA Technology , True WDR 120db, BLC, HLC, 3D/2D DNR, AWB, AGC, Auto IRIS, Rol, Privacy Area, Smart Illumination, Zoom Prio, E-Defog , Auto Tracking	PFA Technology , True WDR 120db, BLC, HLC, 3D/2D DNR, AWB, AGC, Auto IRIS, Rol, Privacy Area, Smart Illumination, Zoom Prio, E-Defog , Auto Tracking
Video Compression	Smart H.265+, MJPEG(Sub Stream) Triple Stream	Smart H.265+, MJPEG(Sub Stream) Triple Stream	Smart H.265+, MJPEG(Sub Stream) Triple Stream	Smart H.265+, MJPEG(Sub Stream) Triple Stream	Smart H.265+, MJPEG(Sub Stream) Triple Stream
Ai & Detection Features	 Face Detection, SMD+(Human, Vehicle, Non-Motor Vehicle), IVS: Intrusion, Tripwire by Deep Learning, Object Detection, Auto Track	 Face Detection, SMD+(Human, Vehicle, Non-Motor Vehicle), IVS: Intrusion, Tripwire by Deep Learning, Object Detection, Auto Track	 Face Detection, SMD+(Human, Vehicle, Non-Motor Vehicle), IVS: Intrusion, Tripwire by Deep Learning, Object Detection, Auto Track	 Face Detection, SMD+(Human, Vehicle, Non-Motor Vehicle), IVS: Intrusion, Tripwire by Deep Learning, Object Detection, Auto Track	 AcuPick, Metadata , Face Detection, Face Attributes , SMD 4.0(Human, Vehicle, Non-Motor Vehicle), IVS: Intrusion, Tripwire by Deep Learning, Climbing Fences, Loitering, Fast Moving, Parking, People Gathering, People Counting , Object Detection, Auto Track 3.0, Auto Patrol
LAN User Bandwidth	RJ-45(10/100 Base-T) 20 Users, 64Mbps	RJ-45(10/100 Base-T) 20 Users, 64Mbps	RJ-45(10/100 Base-T) 20 Users, 64Mbps	RJ-45(10/100 Base-T) 20 Users, 64Mbps	RJ-45(10/100 Base-T) 20 Users, 64Mbps
Access Protocols	Onvif(S, T, G), SDK, API, CGI, Genetec, Milestone, P2P	Onvif(S, T, G), SDK, API, CGI, Genetec, Milestone, P2P	Onvif(S, T, G), SDK, API, CGI, Genetec, Milestone, P2P	Onvif(S, T, G), SDK, API, CGI, Genetec, Milestone, P2P	Onvif(S, T, G), SDK, API, CGI, Genetec, Milestone, P2P
Audio Compression	G.711a, G.711Mu, AAC, G.722.1, G.726, MPEG2-Layer2, G.729	G.711a, G.711Mu, AAC, G.722.1, G.726, MPEG2-Layer2, G.729, G723	G.711a, G.711Mu, AAC, G.722.1, G.726, MPEG2-Layer2, G.729, G723	G.711a, G.711Mu, AAC, G.722.1, G.726, MPEG2-Layer2, G.729, G723	G.711a, G.711Mu, AAC, G.722.1, G.726, MPEG2-Layer2, G.729, G723
Audio in/out	1/1	1/1	1/1	1/1	1/1
Alarm in/out	2/1 5mA 3-5VDC/1000mA 30VDC/500mA 50VDC	2/1 5mA 3-5VDC/1000mA 30VDC/500mA 50VDC	2/1 5mA 3-5VDC/1000mA 30VDC/500mA 50VDC	2/1 5mA 3-5VDC/1000mA 30VDC/500mA 50VDC	2/1 5mA 3-5VDC/1000mA 30VDC/500mA 50VDC
Storage	Micro SD 256GB Dahua Cloud, FTP, NAS	Micro SD 512GB Dahua Cloud, FTP, NAS	Micro SD 256GB Dahua Cloud, FTP, NAS	Micro SD 512GB Dahua Cloud, FTP, NAS	Micro SD 512GB Dahua Cloud, FTP, NAS
ROM/RAM	4GB/1GB	4GB/1GB	4GB/1GB	4GB/1GB	4GB/1GB
Case Material	Aluminum alloy ADC12	Aluminum alloy ADC12	Aluminum alloy ADC12	Aluminum alloy ADC12	Aluminum alloy ADC12
H/S Protection	IP67/IK10/6KV Lightning, Surge, Voltage Transient Cyber Security	IP67/IK10/6KV Lightning, Surge, Voltage Transient Cyber Security	IP67/IK10/6KV Lightning, Surge, Voltage Transient Cyber Security	IP67/IK10/6KV Lightning, Surge, Voltage Transient Cyber Security	IP67/IK10/6KV Lightning, Surge, Voltage Transient Cyber Security
Power	±30%DC24V/ 2.5A ±25%/PoE+ (802.3at) Basic: 12W Max.: 20W	±30%DC24V/ 2.5A ±25%/PoE+ (802.3at) Basic: 13W Max.: 22W	±30%DC24V/ 2.5A ±25%/PoE+ (802.3at) Basic: 12W Max.: 20W	±30%DC24V/ 2.5A ±25%/PoE+ (802.3at) Basic: 13W Max.: 22W	±30%DC24V/ 2.5A ±25%/PoE+ (802.3at) Basic: 13W Max.: 22W
Temp/Humidity	-40°C ~ +70°C/95%	-40°C ~ +70°C/95%	-40°C ~ +70°C/95%	-40°C ~ +70°C/95%	-40°C ~ +70°C/95%
Price	1,345,000,000	1,345,000,000	1,460,000,000	1,480,000,000	1,588,000,000



Model	SD5A245XA-HNR	SD5A445GB-HNR	SD5A445XA-HNR-1T	SD5A445XA-HNR	SD6CE445XA-HNR	EBW8842-A5
Type	IPC Starlight PTZ	IPC Starlight PTZ	IPC Starlight PTZ	IPC Starlight PTZ	IPC Starlight PTZ	IPC Panorama Fish Eye
Sensor Type	STARVIS™ Progressive CMOS	STARVIS™ Progressive CMOS	STARVIS™ Progressive CMOS	STARVIS™ Progressive CMOS	STARVIS™ Progressive CMOS	Progressive CMOS
Resolution/Size	2MP 1/2.8"	4MP 1/2.8"	4MP 1/2.8"	4MP 1/2.8"	4MP 1/2.8"	4K 1/1.7"
Lens Res/FL/Type	2MP 3.95mm~177.7mm F1.6~F4.95	4MP 3.95mm~177.7mm F1.6~F4.95	4MP 3.95mm~177.7mm F1.6~F4.95	4MP 3.95mm~177.7mm F1.6~F4.95	4MP 3.95mm~177.7mm F1.6~F4.95	4K 1.85mm fixed/M12
Max fps	2MP@60fps	4MP@30fps	4MP@30fps	4MP@30fps	4MP@30fps	4K@30fps
Effective Pixels	1920(H)x1080(V)	2560(H)x1440(V)	2560(H)x1440(V)	2560(H)x1440(V)	2560(H)x1440(V)	3280(H)x2480(V)
Aperture	0.005 lux@F1.6 Color	0.005 lux@F1.6 Color	0.005 lux@F1.6 Color	0.005 lux@F1.6 Color	0.005 lux@F1.6 Color	0.01 Lux@F2.0 Color
Min Illumination	0.0005 lux@F1.6 B/W	0.0005 lux@F1.6 B/W	0.0005 lux@F1.6 B/W	0.0005 lux@F1.6 B/W	0.0005 lux@F1.6 B/W	0.001 Lux@F2.0 B/W
Illumination Type						
Light Distance	4 IR LEDs/150m	4 IR LEDs/150m	4 IR LEDs/150m	4 IR LEDs/150m	6 IR LEDs/250m	3 IR LEDs/10m
Day/Night						Auto(ICR)/Color/B/W/SNR>56dB
HFoV	65.7°~1.9°	65.7°~1.9°	70.3°~1.8°	70.3°~1.8°	70.3°~1.8°	H: 185° - V: 180°
DORI Distance	Detect: 2451.7m / Observe: 972.9m Recognize: 490.3m / Identify: 245.2m	Detect: 2451.7m / Observe: 972.9m Recognize: 490.3m / Identify: 245.2m	Detect: 3176m / Observe: 1270m Recognize: 635m / Identify: 317m	Detect: 3176m / Observe: 1270m Recognize: 635m / Identify: 317m	Detect: 3176m / Observe: 1271m Recognize: 635m / Identify: 318m	Detect: 40m / Observe: 16m Recognize: 8m / Identify: 4m
CFD	0.01m~3m	0.1m~1m	0.01m~3m	0.01m~3m	0.1m~3m	0.4m
PTZ	45x Optical Zoom Focus Control: Auto, Semi-Auto, Manual Pan/Tilt Range: Pan: 0° to 360° endless Tilt: -15° to +90°, auto flip 180° Manual Control Speed: Pan: 0.1°/s~240°/s Tilt: 0.1°/s~120°/s Preset: 300 / Pan: 240°/s; Tilt: 200°/s, Speed Adjustment Tour 8, Pattern 5, Scan 5 Power-off Memory, Idle Motion PTZ Protocol: DH-SD, Pelco-P/D	45x Optical Zoom Focus Control: Auto, Semi-Auto, Manual Pan/Tilt Range: Pan: 0° to 360° endless Tilt: -15° to +90°, auto flip 180° Manual Control Speed: Pan: 0.1°/s~300°/s Tilt: 0.1°/s~200°/s Preset: 300 / Pan: 400°/s; Tilt: 300°/s, Speed Adjustment Tour 8, Pattern 5, Scan 5 Power-off Memory, Idle Motion PTZ Protocol: DH-SD, Pelco-P/D	45x Optical Zoom Focus Control: Auto, Semi-Auto, Manual Pan/Tilt Range: Pan: 0° to 360° endless Tilt: -15° to +90°, auto flip 180° Manual Control Speed: Pan: 0.1°/s~300°/s Tilt: 0.1°/s~200°/s Preset: 300 / Pan: 400°/s; Tilt: 300°/s, Speed Adjustment Tour 8, Pattern 5, Scan 5 Power-off Memory, Idle Motion PTZ Protocol: DH-SD, Pelco-P/D	45x Optical Zoom Focus Control: Auto, Semi-Auto, Manual Pan/Tilt Range: Pan: 0° to 360° endless Tilt: -15° to +90°, auto flip 180° Manual Control Speed: Pan: 0.1°/s~300°/s Tilt: 0.1°/s~200°/s Preset: 300 / Pan: 400°/s; Tilt: 300°/s, Speed Adjustment Tour 8, Pattern 5, Scan 5 Power-off Memory, Idle Motion PTZ Protocol: DH-SD, Pelco-P/D	45x Optical Zoom, 16x Digital Zoom Focus Control: Auto, Semi-Auto, Manual Pan/Tilt Range: Pan: 0° to 360° endless Tilt: -15° to +90°, auto flip 180° Manual Control Speed: Pan: 0.1°/s~260°/s Tilt: 0.1°/s~120°/s Preset: 300 / Pan: 300°/s; Tilt: 200°/s, Speed Adjustment Tour 8, Pattern 5, Scan 5 Power-off Memory, Idle Motion, Power up Action PTZ Protocol: DH-SD, Pelco-P/D, RS485	Fisheye VR 3D Dynamic View, Original View, Bowl, Cylinder, Asteroid
Image Enhancement	PFA Technology, EIS , True WDR 120db, BLC, HLC, 3D/2D DNR, AWB, AGC, Auto IRIS, Rol, Privacy Area, Smart Illumination, Zoom Prio, E-Defog , Auto Tracking	PFA Technology, EIS , True WDR 120db, BLC, HLC, 3D/2D DNR, AWB, AGC, Auto IRIS, Rol, Privacy Area, Smart Illumination, Zoom Prio, E-Defog , Auto Tracking 3.0	1 TOPS, PFA Technology, EIS , True WDR 120db, BLC, HLC, 3D/2D DNR, AWB, AGC, Auto IRIS, Rol, Privacy Area, Smart Illumination, Scene Changing, Zoom Prio, E-Defog , Auto Tracking 3.0	PFA Technology, EIS , True WDR 120db, BLC, HLC, 3D/2D DNR, AWB, AGC, Auto IRIS, Rol, Privacy Area, Smart Illumination, Zoom Prio, E-Defog , Auto Tracking	PFA Technology, EIS , True WDR 120db, BLC, HLC, 3D/2D DNR, AWB, AGC, Auto IRIS, Rol, Privacy Area, Smart Illumination, Zoom Prio, Defog , Auto Tracking 3.0	DWDR, BLC, HLC, 3D DNR, AWB, AGC, Fixed IRIS, Rol, Privacy Area, Smart Illumination, Defog
Video Compression	Smart H.265+, MJPEG(Sub Stream) Triple Stream	Smart H.265+, MJPEG(Sub Stream) Triple Stream	Smart H.265+, MJPEG(Sub Stream) Triple Stream	Smart H.265+, MJPEG(Sub Stream) Triple Stream	Smart H.265+, MJPEG(Sub Stream) Triple Stream	Smart H.265+, MJPEG(Sub Stream), Triple Stream
AI & Detection Features	 Face Detection, SMD+(Human, Vehicle, Non-Motor Vehicle), IVS: Intrusion, Tripwire by Deep Learning, Object Detection, Scene Changing, Auto Track	 AcuPick, Metadata , Face Detection, SMD 4.0(Human, Vehicle, Non-Motor Vehicle), IVS: Intrusion, Tripwire by Deep Learning, Climbing Fences, Loitering, Fast Moving, Parking, People Gathering, People Counting, Object Detection, Scene Changing, Auto Track, Auto Patrol, Linkage Track	 Modular Platform Based Ai on Dahua DHOP with 1TOPS Computing Power	 Face Detection, SMD+ (Human, Vehicle, Non-Motor Vehicle), IVS: Intrusion, Tripwire by Deep Learning, Object Detection, Scene Changing, Auto Track, Linkage Track	 Face Detection, SMD+ (Human, Vehicle, Non-Motor Vehicle), IVS: Intrusion, Tripwire by Deep Learning, Object Detection, Scene Changing, Auto Track, Linkage Track	 People Counting, SMD+, IVS: Intrusion, Tripwire by Deep Learning, Heatmap, Scene Change, Audio Detection, Stay Detection
LAN / User Bandwidth	RJ-45(10/100 Base-T) 20 Users, 64Mbps	RJ-45(10/100 Base-T) 20 Users, 64Mbps	RJ-45(10/100 Base-T) 20 Users, 48Mbps	RJ-45(10/100 Base-T) 20 Users, 48Mbps	RJ-45(10Base-T/100Base-TX) 20 Users, 64Mbps	RJ-45(10/100/1000 Base-T) 20 Users, 48Mbps
Access Protocols	Onvif(S, T, G), SDK, API, CGI, Genetec, Milestone, P2P	Onvif(S, T, G), SDK, API, CGI, Genetec, Milestone, P2P	Onvif(S, T, G), SDK, API, CGI, Genetec, Milestone, P2P A.I.Tech, ACIC, Grekkom, Kobi, Retailflux, Siteeye, TechnoAware, etc. 	Onvif(S, T, G), SDK, API, CGI, Genetec, Milestone, P2P	Onvif(S, T, G), SDK, API, CGI, Genetec, Milestone, P2P	Onvif(S, T, G), SDK, API, CGI, Genetec, Milestone, P2P
Audio Compression	G.711a, G.711Mu, AAC, G.722.1, G.726, MPEG2-Layer2, G.729, G723, PCM	G.711a, G.711Mu, AAC, G.722.1, G.726, MPEG2-Layer2, G.729, G723, PCM	G.711a, G.711Mu, AAC, G.722.1, G.726, MPEG2-Layer2, G.729, G723, PCM	G.711a, G.711Mu, AAC, G.722.1, G.726, MPEG2-Layer2, G.729, G723, PCM	G.711a, G.711Mu, AAC, G.722, G.726, G.729, MPEG2-L2	G.711a, G.711Mu, G.726, G723
Audio in/out	1/1 +	1/1 +	1/1 +	1/1 +	1/1 +	1/1 +
Alarm in/out	2/1 5mA 3-5VDC/1000mA 30VDC/500mA 50VDC	2/1 5mA 3-5VDC/1000mA 30VDC/500mA 50VDC	2/1 5mA 3-5VDC/1000mA 30VDC/500mA 50VDC	2/1 5mA 3-5VDC/1000mA 30VDC/500mA 50VDC	7/2 5mA 3-5VDC/1000mA 30VDC/500mA 50VDC	2/2 5mA 3-5VDC/1000mA 30VDC/500mA 50VDC
Storage	Micro SD 256GB Dahua Cloud, FTP, NAS	Micro SD 512GB Dahua Cloud, FTP, NAS	Micro SD 256GB Dahua Cloud, FTP ROM 4GB / RAM 1GB	Micro SD 256GB Dahua Cloud, FTP	Micro SD 256GB Dahua Cloud, FTP, NAS, Local PC	Micro SD 256GB Dahua Cloud, FTP, SFTP, NAS
ROM/RAM	4GB/1GB	4GB/1GB	Flash 350MB / System Memory 300MB /	4GB/1GB	4GB/1GB	4GB/2GB
Case Material	Aluminum alloy ADC12	Aluminum alloy ADC12	Aluminum alloy ADC12	Metal	Metal	Metal
H/S Protection	IP67/IK10/6KV Lightning, Surge, Voltage Transient Cyber Security	IP67/IK10/6KV Lightning, Surge, Voltage Transient Cyber Security	IP67/IK10/6KV Lightning, Surge, Voltage Transient Cyber Security	IP67/IK10/6KV Lightning, Surge, Voltage Transient Cyber Security	IP67/IK10/6KV Lightning, Surge, Voltage Transient Cyber Security	IP67/IK10/4KV Lightning Cyber Security
Power	±30%DC24V/ 2.5A ±25%/PoE+ (802.3at) Basic: 11W Max.: 20W -40°C ~ +70°C/95%	±30%DC24V/ 2.5A ±25%/PoE+ (802.3at) Basic: 10W Max.: 22W -40°C ~ +70°C/95%	±30%DC24V/ 2.5A ±25%/PoE+ (802.3at) Basic: 11W Max.: 20W -40°C ~ +70°C/95%	±30%DC24V/ 2.5A ±25%/PoE+ (802.3at) Basic: 11W Max.: 20W -40°C ~ +70°C/95%	±30%DC24V/ 2.5A ±25%/PoE+ (802.3at) Basic: 13W Max.: 26W -40°C ~ +70°C/95%	±30%DC12V/6.5W-Max 13.9W PoE(802.3at)6.1W-Max 13.9W -40°C ~ +60°C/95%
Temp/Humidity						
Price	1,620,000,000	1,980,000,000	1,905,000,000	1,905,000,000	2,010,000,000	1,045,000,000

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Model	DHI-NVR1104HS-S3/H (V2.0)	DHI-NVR1108HS-S3/H	NVR2108HS-S3	NVR2108HS-4KS3	NVR4116HS-4KS3		NVR4216-4KS3		NVR4232-4KS3	
Type	4CH 1U Compact Lite NVR	8CH 1U Compact Lite NVR	8CH 1U Compact Lite NVR	8CH 1U Compact Lite NVR	16CH 1U Compact Lite NVR		16CH 1U Compact Lite NVR		32CH 1U Compact Lite NVR	
Encode Capacity	4ch 4K@30fps	8ch 4K@30fps	8ch 4K@30fps	8ch 4K@30fps	16ch 12MP@30fps		16ch 12MP@30fps		32ch 12MP@30fps	
Decode Capacity	Max 4K@30fps	Max 4K@30fps	Max 12MP@30fps	Max 12MP@30fps	AI Disabled: 1ch 12MP@30fps 2ch 8MP@30fps	AI Enabled: 1ch 12MP@30fps 1ch 8MP@30fps	AI Disabled: 1ch 12MP@30fps 2ch 8MP@30fps	AI Enabled: 1ch 12MP@30fps 1ch 8MP@30fps	AI Disabled: 1ch 12MP@30fps 2ch 8MP@30fps	AI Enabled: 1ch 12MP@30fps 1ch 8MP@30fps
in/out/Storage Bandwidth	80/80/60Mbps	80/80/60Mbps	80/80/60Mbps	80/80/60Mbps	AI Disabled: 160/160/80Mbps AI Enabled: 80/80/60Mbps		AI Disabled: 160/160/80Mbps AI Enabled: 80/80/60Mbps		AI Disabled: 160/128/60Mbps AI Enabled: 80/80/60Mbps	
Video Compression	Smart H.265+, Dual Stream	Smart H.265+, Dual Stream	Smart H.265+, MJPEG Dual Stream	Smart H.265+, MJPEG Dual Stream	Smart H.265+, Dual Stream		Smart H.265+, Dual Stream		Smart H.265+, Dual Stream	
Video Output	Simultaneous 1 HDMI, 1 VGA 1080P	Simultaneous 1 HDMI, 1 VGA 1080P	Simultaneous 1 HDMI, 1 VGA 1080P	Simultaneous 1 HDMI 4K, 1 VGA 1080P	Simultaneous 1 HDMI 4K 1 VGA 1080P	Heterogeneous 1 HDMI 1080P 1 VGA 1080P	Simultaneous 1 HDMI 4K 1 VGA 1080P	Heterogeneous 1 HDMI 1080P 1 VGA 1080P	Simultaneous 1 HDMI 4K 1 VGA 1080P	Heterogeneous 1 HDMI 1080P 1 VGA 1080P
Access Protocols	ONVIF(S,T,G), RTSP, CGI, SDK, API, P2P	ONVIF(S,T,G), RTSP, CGI, SDK, API, P2P	ONVIF(S,T,G), RTSP, CGI, SDK, API, P2P	ONVIF(S,T,G), RTSP, CGI, SDK, API, P2P	ONVIF(S,T,G), Panasonic, Sony, Axis, Arecont, Pelco, Canon, Hanwha, RTSP, CGI, SDK, API, P2P		ONVIF(S,T,G), Panasonic, Sony, Axis, Arecont, Pelco, Canon, Hanwha, RTSP, CGI, SDK, API, P2P		ONVIF(S,T,G), Panasonic, Sony, Axis, Arecont, Pelco, Canon, Hanwha, RTSP, CGI, SDK, API, P2P	
Ai / Alarm Features	Motion Detection, Privacy Masking, Video Loss, PIR Alarm, Camera Offline, Storage Error, Disk Full, IP Conflict, MAC Conflict, Login Lock, Cyber Security Exception	Motion Detection, Privacy Masking, Video Loss, PIR Alarm, Camera Offline, Storage Error, Disk Full, IP Conflict, MAC Conflict, Login Lock, Cyber Security Exception	Ai by Camera: 4 Channel SMD+, IVS: Tripwire, Intrusion Ai Quick Search by Target Attributes and Event Type	Ai by Recorder: 4 Channel SMD Ai by Camera: All Channels (4 Targets) SMD+ All Channels (8 Targets) IVS: Tripwire, Intrusion Ai Quick Search by Target Attributes and Event Type One-Click Arm/Aisarm	Ai by Recorder: 4 Channel SMD+ Ai by Camera: 6 Channels SMD+, Tripwire, Intrusion, Face Detection, Face Recognition, Face Attributes, People Counting, Stereo Analysis(Fall, Violence, Stay, Space Exception), Heatmap, Deep Learning Algorithm, 3D Scene Information Ai Quick Search by Target Attributes and Event Type One-Click Arm/Aisarm, E-PTZ		Ai by Recorder: 4 Channel SMD+ Ai by Camera: 6 Channels SMD+, Tripwire, Intrusion, Face Detection, Face Recognition, Face Attributes, People Counting, Stereo Analysis(Fall, Violence, Stay, Space Exception), Heatmap, Deep Learning Algorithm, 3D Scene Information Ai Quick Search by Target Attributes and Event Type One-Click Arm/Aisarm, E-PTZ		Ai by Recorder: 2 Channel SMD+ Ai by Camera: 6 Channels SMD+, Tripwire, Intrusion, Face Detection, Face Recognition, Face Attributes, People Counting, Stereo Analysis(Fall, Violence, Stay, Space Exception), Heatmap, Deep Learning Algorithm, 3D Scene Information Ai Quick Search by Target Attributes and Event Type One-Click Arm/Aisarm, E-PTZ	
Other Options	Remote IPC Config	Remote IPC Config	Remote IPC Config	Remote IPC Config	Remote IPC Config		Remote IPC Config		Remote IPC Config	
Network Interface	1*10/100Mbps	1*10/100Mbps	1*10/100Mbps	1*10/100Mbps	1*10/100/1000Mbps		1*10/100/1000Mbps		1*10/100/1000Mbps	
Storage	1 SATA Port, 8TB	1 SATA Port, 8TB	1 SATA Port, 16TB	1 SATA Port, 20TB	1 SATA Port, 20TB		2 SATA Port, Each Disk 20TB Total Capacity 40TB		2 SATA Port, Each Disk 20TB Total Capacity 40TB	
USB Ports	2*USB 2.0	2*USB 2.0	2*USB 2.0	2*USB 2.0	2*USB 2.0		2*USB 2.0		2*USB 2.0	
Audio Codec	PCM, G711A, G711U, G726	PCM, G711A, G711U, G726	PCM, G711A, G711U, G726	PCM, G711A, G711U, G726	PCM, G711A, G711U, G726		PCM, G711A, G711U, G726		PCM, G711A, G711U, G726	
Audio in/out	1/1 Only for Two Way Talk	1/1 Only for Two Way Talk	1/1 Only for Two Way Talk	1/1 Only for Two Way Talk	1/1 Only for Two Way Talk		1/1 Only for Two Way Talk		1/1 Only for Two Way Talk	
Alarm in/out	N/A	N/A	N/A	N/A	N/A		4/2 (1-h 12V 1A Output)		4/2 (1-h 12V 1A Output)	
Power	12VDC/1.5A/10W(Without HDD)	12VDC/1.5A/10W(Without HDD)	12VDC/1.5A/10W(Without HDD)	12VDC/1.5A/10W(Without HDD)	12VDC/2A/10W(Without HDD)		12VDC/4A/10W(Without HDD)		12VDC/4A/10W(Without HDD)	
Temp/Humidity	-10°C ~ +45°C/10-93%	-10°C ~ +45°C/10-93%	-10°C ~ +55°C/10-93%	-10°C ~ +55°C/10-93%	-10°C ~ +55°C/10-93%		-10°C ~ +55°C/10-93%		-10°C ~ +55°C/10-93%	
Dimension	260×225×47.6mm (W×D×H)	260×225×47.6mm (W×D×H)	260×232.7×47.6mm (W×D×H)	260×232.5×47.6mm (W×D×H)	260×232.5×47.6mm (W×D×H)		375×282.9×53mm (W×D×H)		375×282.9×53mm (W×D×H)	
Price	112,500,000	138,700,000	189,500,000	204,000,000	285,500,000		323,300,000		481,500,000	

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Model	NVR2108HS-I2		NVR2116HS-I2		NVR2216-I		NVR2216-I2	
Type	8CH 1U Compact Ai NVR		16CH 1U Compact Ai NVR		16CH 1U Compact Ai NVR		16CH 1U Compact Ai NVR	
Encode Capacity	8ch 12MP@30fps		16ch 12MP@30fps		16ch 12MP@30fps		16ch 12MP@30fps	
Decode Capacity	Ai Disabled: 1ch 12MP@30fps 1ch 8MP@30fps	Ai Enabled: 1ch 8MP@30fps	Ai Disabled: 1ch 12MP@30fps 1ch 8MP@30fps	Ai Enabled: 1ch 8MP@30fps	Ai Disabled: 1ch 12MP@30fps 1ch 8MP@30fps	Ai Enabled: 1ch 8MP@30fps	Ai Disabled: 1ch 12MP@30fps 1ch 8MP@30fps	Ai Enabled: 1ch 8MP@30fps
in/out/Storage Bandwidth	80/80/60Mbps		Ai Disabled: 144/144/72Mbps Ai Enabled: 72/72/36Mbps		Ai Disabled: 200/200/100Mbps Ai Enabled: 72/72/36Mbps		Ai Disabled: 144/144/72Mbps Ai Enabled: 72/72/36Mbps	
Video Compression	Smart H.265+, Dual Stream		Smart H.265+, Dual Stream		Smart H.265+, Dual Stream		Smart H.265+, Dual Stream	
Video Output	Simultaneous 1 HDMI 4K, 1 VGA 1080P		Simultaneous 1 HDMI 4K, 1 VGA 1080P		Simultaneous 1 HDMI 4K 1 VGA 1080P	Heterogeneous 1 HDMI 1080P 1 VGA 1080P	Simultaneous 1 HDMI 4K 1 VGA 1080P	Heterogeneous 1 HDMI 1080P 1 VGA 1080P
Access Protocols	ONVIF(S,T,G), RTSP, CGI, SDK, API, P2P		ONVIF(S,T,G), RTSP, CGI, SDK, API, P2P		ONVIF(S,T,G), RTSP, CGI, SDK, API, P2P		ONVIF(S,T,G), RTSP, CGI, SDK, API, P2P	
Ai / Alarm Features	Ai by Recorder: 1ch Face Detection/Face Recognition(with Face Attributes) 1ch Tripwire, Intrusion 4ch SMD+ Ai by Camera: 5ch Face Detection(with Face Attributes) 5ch Face Recognition(with Face Attributes) up to 10 Face Databases & 5000 Face Images 4ch Tripwire, Intrusion 6ch SMD+ Quick Ai Search by Metadata		Ai by Recorder: 1ch Face Detection/Face Recognition(with Face Attributes) 1ch Tripwire, Intrusion 4ch SMD+ Ai by Camera: 5ch Face Detection(with Face Attributes) 5ch Face Recognition(with Face Attributes) up to 10 Face Databases & 5000 Face Images 4ch Tripwire, Intrusion 6ch SMD+ Quick Ai Search by Metadata		Ai by Recorder: 1ch Face Detection/Face Recognition(with Face Attributes) 2ch Tripwire, Intrusion 4ch SMD+ Ai by Camera: 5ch Face Detection(with Face Attributes) 5ch Face Recognition(with Face Attributes) up to 10 Face Databases & 5000 Face Images 4ch Tripwire, Intrusion 6ch SMD+ Quick Ai Search by Metadata		Ai by Recorder: 1ch Face Detection/Face Recognition(with Face Attributes) 2ch Tripwire, Intrusion 4ch SMD+ Ai by Camera: 5ch Face Detection(with Face Attributes) 5ch Face Recognition(with Face Attributes) up to 10 Face Databases & 5000 Face Images 4ch Tripwire, Intrusion 6ch SMD+ Quick Ai Search by Metadata	
Other Options	Remote IPC Config, Smart Fan		Remote IPC Config, Smart Fan		Remote IPC Config, Smart Fan		Remote IPC Config, Smart Fan	
Network Interface	1*10/100Mbps		1*10/100/1000Mbps		1*10/100/1000Mbps		1*10/100/1000Mbps	
Storage	1 SATA Port, 10TB		1 SATA Port, 10TB		2 SATA Port, Each Disk 8TB Max Capacity 16TB		2 SATA Port, Each Disk 10TB Max Capacity 20TB	
USB Ports	2*USB 2.0		2*USB 2.0		2*USB 2.0		2*USB 2.0	
Audio Codec	PCM, G711A, G711U, G726		PCM, G711A, G711U, G726		PCM, G711A, G711U, G726, AAC		PCM, G711A, G711U, G726, AAC	
Audio in/out	1/1 Only for Two Way Talk		1/1 Only for Two Way Talk		1/1 Only for Two Way Talk		1/1 Only for Two Way Talk	
Alarm in/out	N/A		N/A		N/A		N/A	
Power	12VDC/1.5A/10W(Without HDD)		12VDC/1.5A/10W(Without HDD)		12VDC/4A/10W(Without HDD)		12VDC/4A/10W(Without HDD)	
Temp/Humidity	-10°C ~ +55°C/10-93%		-10°C ~ +55°C/10-93%		-10°C ~ +55°C/10-93%		-10°C ~ +55°C/10-93%	
Dimension	260×232.7×47.6mm (W×D×H)		260×232.7×47.6mm (W×D×H)		375×284.3×53mm (W×D×H)		375×284.3×53mm (W×D×H)	
Price	289,800,000		245,200,000		318,200,000		318,200,000	

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Model	NVR4232-EI	NVR4432-EI	NVR5232-EI	NVR5432-EI	NVR5832-EI	NVR5464-EI	NVR5864-EI
Type	32CH 1U WizSense NVR	32CH 1U WizSense NVR	32CH 1U WizSense NVR	32CH 1U WizSense NVR	32CH 2U WizSense NVR	64CH 2U WizSense NVR	64CH 2U WizSense NVR
Encode Capacity	16MP@30fps	16MP@30fps	32MP@30fps	32MP@30fps	32MP@30fps	32MP@30fps	32MP@30fps
Decode Capacity	AI Disabled: 32MP@30fps AI Enabled: 16MP@30fps 24MP@30fps	AI Disabled: 32MP@30fps AI Enabled: 16MP@30fps 24MP@30fps	AI Disabled: 64MP@30fps AI Enabled: 32MP@30fps	AI Disabled: 64MP@30fps AI Enabled: 32MP@30fps	AI Disabled: 64MP@30fps AI Enabled: 32MP@30fps	AI Disabled: 64MP@30fps AI Enabled: 32MP@30fps	AI Disabled: 64MP@30fps AI Enabled: 32MP@30fps
in/out/Storage Bandwidth	AI Disabled: 256/256/256Mbps AI Enabled: 180/180/180Mbps	AI Disabled: 256/256/256Mbps AI Enabled: 180/180/180Mbps	AI Disabled: 384/384/384Mbps AI Enabled: 200/200/200Mbps	AI Disabled: 384/384/384Mbps AI Enabled: 200/200/200Mbps	AI Disabled: 384/384/384Mbps AI Enabled: 200/200/200Mbps	AI Disabled: 384/384/384Mbps AI Enabled: 200/200/200Mbps	AI Disabled: 384/384/384Mbps AI Enabled: 200/200/200Mbps
Video Compression	Smart H.265+, Dual Stream	Smart H.265+, Dual Stream	Smart H.265+, Dual Stream	Smart H.265+, Dual Stream	Smart H.265+, Dual Stream	Smart H.265+, Dual Stream	Smart H.265+, Dual Stream
Video Output	Simultaneous/Heterogeneous 1 HDMI 4K 1 VGA 1080P	Simultaneous/Heterogeneous 1 HDMI 4K 1 VGA 1080P	Simultaneous/Heterogeneous 1 HDMI 4K 1 VGA 1080P	Simultaneous/Heterogeneous 2 HDMI 4K 2 VGA 1080P	Simultaneous/Heterogeneous 2 HDMI 4K 2 VGA 1080P	Simultaneous/Heterogeneous 2 HDMI 4K 2 VGA 1080P	Simultaneous/Heterogeneous 2 HDMI 4K 2 VGA 1080P
Access Protocols	ONVIF(S,T,G), Panasonic, Sony, Axis, Arecont, Pelco, Canon, Hanwha, RTSP, CGI, SDK, API, P2P	ONVIF(S,T,G), Panasonic, Sony, Axis, Arecont, Pelco, Canon, Hanwha, RTSP, CGI, SDK, API, P2P	ONVIF(S,T,G), Panasonic, Sony, Axis, Arecont, Pelco, Canon, Hanwha, RTSP, CGI, SDK, API, P2P	ONVIF(S,T,G), Panasonic, Sony, Axis, Arecont, Pelco, Canon, Hanwha, RTSP, CGI, SDK, API, P2P	ONVIF(S,T,G), Panasonic, Sony, Axis, Arecont, Pelco, Canon, Hanwha, RTSP, CGI, SDK, API, P2P	ONVIF(S,T,G), Panasonic, Sony, Axis, Arecont, Pelco, Canon, Hanwha, RTSP, CGI, SDK, API, P2P	ONVIF(S,T,G), Panasonic, Sony, Axis, Arecont, Pelco, Canon, Hanwha, RTSP, CGI, SDK, API, P2P
Ai / Alarm Features	AI by Recorder: Face Detection 1ch by NVR Face Recognition: 8ch(FD by IPC+FR by NVR) or 2ch(FD & FR by NVR) Face Attributes 2ch IVS 10 Rules Each Channel 4ch SMD+ AI by Camera: All Channels Face Detection/Face Recognition(with Face Attributes) up to 10 Face Groups & 20.000 Faces All Channels IVS 8 Targets All Channels SMD+ People Counting, Stereo Analysis, Heatmap, ANPR(20,000 Plates) Quick AI Search by Metadata, E-PTZ Quick Pick 2.0	AI by Recorder: Face Detection 1ch by NVR Face Recognition: 8ch(FD by IPC+FR by NVR) or 2ch(FD & FR by NVR) Face Attributes 2ch IVS 10 Rules Each Channel 4ch SMD+ AI by Camera: All Channels Face Detection/Face Recognition(with Face Attributes) up to 10 Face Groups & 20.000 Faces All Channels IVS 8 Targets All Channels SMD+ People Counting, Stereo Analysis, Heatmap, ANPR(20,000 Plates) Quick AI Search by Metadata, E-PTZ Quick Pick 2.0	AI by Recorder: Face Detection 2ch by NVR Face Recognition: 16ch(FD by IPC+FR by NVR) or 2ch(FD & FR by NVR) Face Attributes 4ch IVS 10 Rules Each Channel 8ch SMD+ AI by Camera: 16ch Face Detection 16ch Face Recognition(with Face Attributes) up to 20 Face Groups & 20.000 Faces Metadata(8ch), PPE, Smart Object, Smart Sound, IVS, SMD+, People Counting, Crowd Distribution, Stereo Analysis, Heatmap, Deep Learning, ANPR(20,000 Plates), Vehicle Density Quick AI Search by Metadata, E-PTZ AcuPick 2.0, One-Click Arm/Disarm	AI by Recorder: Face Detection 2ch by NVR Face Recognition: 16ch(FD by IPC+FR by NVR) or 2ch(FD & FR by NVR) Face Attributes 4ch IVS 10 Rules Each Channel 8ch SMD+ AI by Camera: 16ch Face Detection 16ch Face Recognition(with Face Attributes) up to 20 Face Groups & 20.000 Faces Metadata(8ch), PPE, Smart Object, Smart Sound, IVS, SMD+, People Counting, Crowd Distribution, Stereo Analysis, Heatmap, Deep Learning, ANPR(20,000 Plates), Vehicle Density Quick AI Search by Metadata, E-PTZ AcuPick 2.0, One-Click Arm/Disarm	AI by Recorder: Face Detection 2ch by NVR Face Recognition: 16ch(FD by IPC+FR by NVR) or 2ch(FD & FR by NVR) Face Attributes 4ch IVS 10 Rules Each Channel 8ch SMD+ AI by Camera: 16ch Face Detection 16ch Face Recognition(with Face Attributes) up to 20 Face Groups & 20.000 Faces Metadata(8ch), PPE, Smart Object, Smart Sound, IVS, SMD+, People Counting, Crowd Distribution, Stereo Analysis, Heatmap, Deep Learning, ANPR(20,000 Plates), Vehicle Density Quick AI Search by Metadata, E-PTZ AcuPick 2.0, One-Click Arm/Disarm	AI by Recorder: Face Detection 2ch by NVR Face Recognition: 16ch(FD by IPC+FR by NVR) or 2ch(FD & FR by NVR) Face Attributes 4ch IVS 10 Rules Each Channel 8ch SMD+ AI by Camera: 16ch Face Detection 16ch Face Recognition(with Face Attributes) up to 20 Face Groups & 20.000 Faces Metadata(8ch), PPE, Smart Object, Smart Sound, IVS, SMD+, People Counting, Crowd Distribution, Stereo Analysis, Heatmap, Deep Learning, ANPR(20,000 Plates), Vehicle Density Quick AI Search by Metadata, E-PTZ AcuPick 2.0(32ch), One-Click Arm/Disarm	AI by Recorder: Face Detection 2ch by NVR Face Recognition: 16ch(FD by IPC+FR by NVR) or 2ch(FD & FR by NVR) Face Attributes 4ch IVS 10 Rules Each Channel 8ch SMD+ AI by Camera: 16ch Face Detection 16ch Face Recognition(with Face Attributes) up to 20 Face Groups & 20.000 Faces Metadata(8ch), PPE, Smart Object, Smart Sound, IVS, SMD+, People Counting, Crowd Distribution, Stereo Analysis, Heatmap, Deep Learning, ANPR(20,000 Plates), Vehicle Density Quick AI Search by Metadata, E-PTZ AcuPick 2.0(32ch), One-Click Arm/Disarm
Other Options	Remote IPC Config	Remote IPC Config, RS-232, RS-485	Remote IPC Config, RS-232, RS-485 NVR NEXT	Remote IPC Config, RS-232, RS-485 NVR NEXT	Remote IPC Config, RS-232, 2*RS-485 NVR NEXT	Remote IPC Config, RS-232, RS-485 NVR NEXT	Remote IPC Config, RS-232, 2*RS-485 NVR NEXT
Network Interface	1*10/100/1000Mbps	2*10/100/1000Mbps	1*10/100/1000Mbps	2*10/100/1000Mbps	2*10/100/1000Mbps	2*10/100/1000Mbps	2*10/100/1000Mbps
Storage	2 SATA Port, Each Disk 20TB Total Capacity 40TB, Disk Group	4SATA Port, Each Disk 20TB Total Capacity 80TB, Disk Group	2 SATA Port, Each Disk 20TB Total Capacity 40TB, Disk Group	4SATA Port, Each Disk 20TB Total Capacity 80TB, Disk Group	8SATA Port, Each Disk 20TB Total Capacity 160TB, 1 e-SATA, Disk Group, Raid0/1/5/6/10	4SATA Port, Each Disk 20TB Total Capacity 80TB, 1 e-SATA, Disk Group	8SATA Port, Each Disk 20TB Total Capacity 160TB, 1 e-SATA, Disk Group, Raid0/1/5/6/10
USB Ports	2*USB 2.0	2*USB 2.0/1* USB 3.0	2*USB 2.0/1* USB 3.0	1*USB 2.0/2* USB 3.0	2*USB 2.0/2* USB 3.0	1*USB 2.0/2* USB 3.0	2*USB 2.0/2* USB 3.0
Audio Codec	PCM, G711A, G711U, G726	PCM, G711A, G711U, G726	PCM, G711A, G711U, G726	PCM, G711A, G711U, G726	PCM, G711A, G711U, G726	PCM, G711A, G711U, G726	PCM, G711A, G711U, G726
Audio in/out	1/1 Only for Two Way Talk	1/1 Only for Two Way Talk	1/1 Only for Two Way Talk	1/1 Only for Two Way Talk	1/1 Only for Two Way Talk	1/2 Only for Two Way Talk	1/2 Only for Two Way Talk
Alarm in/out	4/2 (1-h 12V 1A Output)	16/4 (1-h 12V 1A Output)	4/2 (1-h 12V 1A Output)	16/6 (1-h 12V 1A Output)	16/8 (1-h 12V 1A Output)	16/6 (1-h 12V 1A Output)	16/8 (1-h 12V 1A Output)
Power	12VDC/4A/10W(Without HDD)	100-240VAC, 50-60Hz 10W(Without HDD)	12VDC/4A/10W(Without HDD)	100-240VAC, 50-60Hz 13W(Without HDD)	100-240VAC, 50-60Hz 13W(Without HDD)	100-240VAC, 50-60Hz 13W(Without HDD)	100-240VAC, 50-60Hz 13W(Without HDD)
Temp/Humidity	-10°C ~ +55°C/10-93%	-10°C ~ +55°C/10-93%	-10°C ~ +55°C/10-93%	-10°C ~ +55°C/10-93%	-10°C ~ +55°C/10-93%	-10°C ~ +55°C/10-93%	-10°C ~ +55°C/10-93%
Dimension	375×284.3×53mm (W×D×H)	440×415.6×76 (W×D×H)	375×284.3×53mm (W×D×H)	440×415.1×70 (W×D×H)	439.9×457.9×89 (W×D×H)	440×415.1×70 (W×D×H)	439.9×457.9×89 (W×D×H)
Price	560,000,000	845,000,000	897,500,000	1,182,000,000	1,565,000,000	1,577,000,000	1,925,000,000



Model	NVR5864H-XI		NVR608H-32-XI		DHI-NVR608H-64-XI		NVR608H-128-XI		Model	NKB1000
Type	64CH 2U WizMind NVR		32CH 2U WizMind NVR		64CH 2U WizMind NVR		128CH 2U WizMind NVR		Type	Network Keyboard
Encode Capacity	32MP@30fps		32MP@30fps		32MP@30fps		32MP@30fps		Keyboard Key panel	Electromechanical
Decode Capacity	AI Disabled: 64MP@30fps	AI Enabled: 32MP@30fps	AI Disabled: 64MP@30fps	AI Enabled: 32MP@30fps	AI Disabled: 64MP@30fps	AI Enabled: 32MP@30fps	AI Disabled: 64MP@30fps	AI Enabled: 32MP@30fps	Joystick	3-axis, vector-solving, with twisting, return to-center head
in/out/Storage Bandwidth	AI Disabled: 512/512/512Mbps AI Enabled: 200/200/200Mbps		AI Disabled: 1280/1280/1024Mbps AI Enabled: 640/640/512Mbps		AI Disabled: 1280/1280/1024Mbps AI Enabled: 640/640/512Mbps		AI Disabled: 1280/1280/1024Mbps AI Enabled: 640/640/512Mbps		Keyboard Connector	RJ-45, RS232, RS485, RS422 (reserved), USB
Video Compression	Smart H.265+, Dual Stream		Smart H.265+, Dual Stream		Smart H.265+, Dual Stream		Smart H.265+, Dual Stream		Keyboard Communication	Direct Mode, Network Mode
Video Output	Simultaneous/Heterogeneous 2 HDMI 4K 2 VGA 1080P		Simultaneous/Heterogeneous 4 HDMI : 1/2 4K, 3 8K, 4 1080P - 2 VGA 1080P Heterogeneous Mode will Decrease the Max Resolution		Simultaneous/Heterogeneous 4 HDMI : 1/2 4K, 3 8K, 4 1080P - 2 VGA 1080P Heterogeneous Mode will Decrease the Max Resolution		Simultaneous/Heterogeneous 4 HDMI : 1/2 4K, 3 8K, 4 1080P - 2 VGA 1080P Heterogeneous Mode will Decrease the Max Resolution		Display	LCD, 75.2mm×33.85mm
Access Protocols	ONVIF(S,T,G), Panasonic, Sony, Axis, Arecont, Pelco, Canon, Hanwha, RTSP, CGI, SDK, API, P2P		ONVIF(S,T,G), Panasonic, Sony, Axis, Arecont, Pelco, Canon, Hanwha, RTSP, CGI, SDK, API, P2P		ONVIF(S,T,G), Panasonic, Sony, Axis, Arecont, Pelco, Canon, Hanwha, RTSP, CGI, SDK, API, P2P		ONVIF(S,T,G), Panasonic, Sony, Axis, Arecont, Pelco, Canon, Hanwha, RTSP, CGI, SDK, API, P2P		Maximum Number of Users	64 (including "admin")
Ai / Alarm Features	Ai by Recorder: Face Detection: Sub Screen on 4ch/Sub Screen off 8ch Face Recognition: Sub Screen on 16ch(FD by IPC+FR by NVR) or 4ch(FD & FR by NVR) Sub Screen off 16ch(FD by IPC+FR by NVR) or 8ch(FD & FR by NVR) Face Attributes 24ch IVS 10 Rules Each Channel 32ch SMD+, 8ch Metadata Ai by Camera: 32ch Face Detection 32ch Face Recognition(with Face Attributes) up to 20 Face Groups & 200.000 Faces Metadata(32ch), PPE, Smart Object, Smart Sound, IVS, SMD+, People Counting, Crowd Distribution, Stereo Analysis, Heatmap, Deep Learning, ANPR(20,000 Plates & Vehicle Attributes), Vehicle Density, Non-mmotor Vehicle Attributes Quick Ai Search by Metadata, E-PTZ AcuPick 2.0(36ch), One-Click Arm/Disarm		Ai by Recorder: Face Detection: Sub Screen on 5ch/Sub Screen off 8ch Face Recognition: Sub Screen on 16ch(FD by IPC+FR by NVR) or 5ch(FD & FR by NVR) Sub Screen off 32ch(FD by IPC+FR by NVR) or 8ch(FD & FR by NVR) Face Attributes IVS: Sub Screen on 24ch, Sub Screen off 32ch 32ch SMD+, 8ch Metadata Ai by Camera: 32ch Face Detection 32ch Face Recognition(with Face Attributes) up to 40 Face Groups & 300.000 Faces Metadata(32ch), PPE, Smart Object, Smart Sound, IVS, SMD+, People Counting, Crowd Distribution, Stereo Analysis, Heatmap, Deep Learning, ANPR(20,000 Plates & Vehicle Attributes), Vehicle Density, Non-mmotor Vehicle Attributes Quick Ai Search by Metadata, E-PTZ AcuPick 2.0(32ch), One-Click Arm/Disarm		Ai by Recorder: Face Detection: Sub Screen on 5ch/Sub Screen off 8ch Face Recognition: Sub Screen on 16ch(FD by IPC+FR by NVR) or 5ch(FD & FR by NVR) Sub Screen off 32ch(FD by IPC+FR by NVR) or 8ch(FD & FR by NVR) Face Attributes IVS: Sub Screen on 24ch, Sub Screen off 32ch 32ch SMD+, 8ch Metadata Ai by Camera: 64ch Face Detection 64ch Face Recognition(with Face Attributes) up to 40 Face Groups & 300.000 Faces Metadata(32ch), PPE, Smart Object, Smart Sound, IVS, SMD+, People Counting, Crowd Distribution, Stereo Analysis, Heatmap, Deep Learning, ANPR(20,000 Plates & Vehicle Attributes), Vehicle Density, Non-mmotor Vehicle Attributes Quick Ai Search by Metadata, E-PTZ AcuPick 2.0(64ch), One-Click Arm/Disarm		Ai by Recorder: Face Detection: Sub Screen on 5ch/Sub Screen off 8ch Face Recognition: Sub Screen on 16ch(FD by IPC+FR by NVR) or 5ch(FD & FR by NVR) Sub Screen off 32ch(FD by IPC+FR by NVR) or 8ch(FD & FR by NVR) Face Attributes IVS: Sub Screen on 24ch, Sub Screen off 32ch 32ch SMD+, 8ch Metadata Ai by Camera: 64ch Face Detection 64ch Face Recognition(with Face Attributes) up to 40 Face Groups & 300.000 Faces Metadata(32ch), PPE, Smart Object, Smart Sound, IVS, SMD+, People Counting, Crowd Distribution, Stereo Analysis, Heatmap, Deep Learning, ANPR(20,000 Plates & Vehicle Attributes), Vehicle Density, Non-mmotor Vehicle Attributes Quick Ai Search by Metadata, E-PTZ AcuPick 2.0(64ch), One-Click Arm/Disarm		Direct Mode	Interface: 1 RS232/2 RS485 DVR Protocol: DH-2 Dome Protocol: DH-SD1/PELCO-D/P/PELCO-P, etc
Other Options	Remote IPC Config, RS-232, 2*RS-485 NVR NEXT		Remote IPC Config, RS-232, RS-485 NVR NEXT		Remote IPC Config, RS-232, RS-485 NVR NEXT		Remote IPC Config, RS-232, RS-485 NVR NEXT		Max RS485 Addresses	256
Network Interface	2*10/100/1000Mbps		2*10/100/1000/2500Mbps		2*10/100/1000/2500Mbps		2*10/100/1000/2500Mbps		Max Number of PTZ	2048
Storage	8SATA Port, Each Disk 20TB Total Capacity 160TB, 1 e-SATA, Disk Group, Raid0/1/5/6/10		8SATA Port, Each Disk 20TB Total Capacity 160TB, 1 e-SATA, Disk Group, Raid0/1/5/6/10, Drawer Chassis, Hot Swap		8SATA Port, Each Disk 20TB Total Capacity 160TB, 1 e-SATA, Disk Group, Raid0/1/5/6/10, Drawer Chassis, Hot Swap		8SATA Port, Each Disk 20TB Total Capacity 160TB, 1 e-SATA, Disk Group, Raid0/1/5/6/10, Drawer Chassis, Hot Swap		Power Supply	Power adapter, input 100V~240V 50Hz/60Hz, output DC12V/2A
USB Ports	2*USB 2.0/2* USB 3.0		2*USB 2.0/2* USB 3.0		2*USB 2.0/2* USB 3.0		2*USB 2.0/2* USB 3.0		Power Consumption	5W
Audio Codec	PCM, G711A, G711U, G726		PCM, G711A, G711U, G726		PCM, G711A, G711U, G726		PCM, G711A, G711U, G726		Working Temperature	-10°C~+55°C
Audio in/out	1/2 Only for Two Way Talk		1/2 Only for Two Way Talk		1/2 Only for Two Way Talk		1/2 Only for Two Way Talk		Working Humidity	10% ~ 90%
Alarm in/out	16/8 (1-h 12V 1A Output)		16/8 (1-h 12V 1A Output)		16/8 (1-h 12V 1A Output)		16/8 (1-h 12V 1A Output)		Atmosphere Pressure	86kpa~106kpa
Power	100-240VAC, 50-60Hz 13W(Without HDD)		100-240VAC, 50-60Hz 18W(Without HDD)		100-240VAC, 50-60Hz 18W(Without HDD)		100-240VAC, 50-60Hz 18W(Without HDD)		Dimension	330x139x53
Temp/Humidity	-10°C ~ +55°C/10-93%		-10°C ~ +55°C/10-93%		-10°C ~ +55°C/10-93%		-10°C ~ +55°C/10-93%		Weight	1.3kg (Including package)
Dimension	440×459.6×95 (W×D×H)		444×456.6×95 (W×D×H)		444×456.6×95 (W×D×H)		444×458.4 ×94.9 (W×D×H)		Functions	3D Control, Preset, Tour, Pattern, Scan, Smart PSS, DSS
Price	2,680,000,000		2,380,000,000		3,360,000,000		4,750,000,000		Price	441,000,000