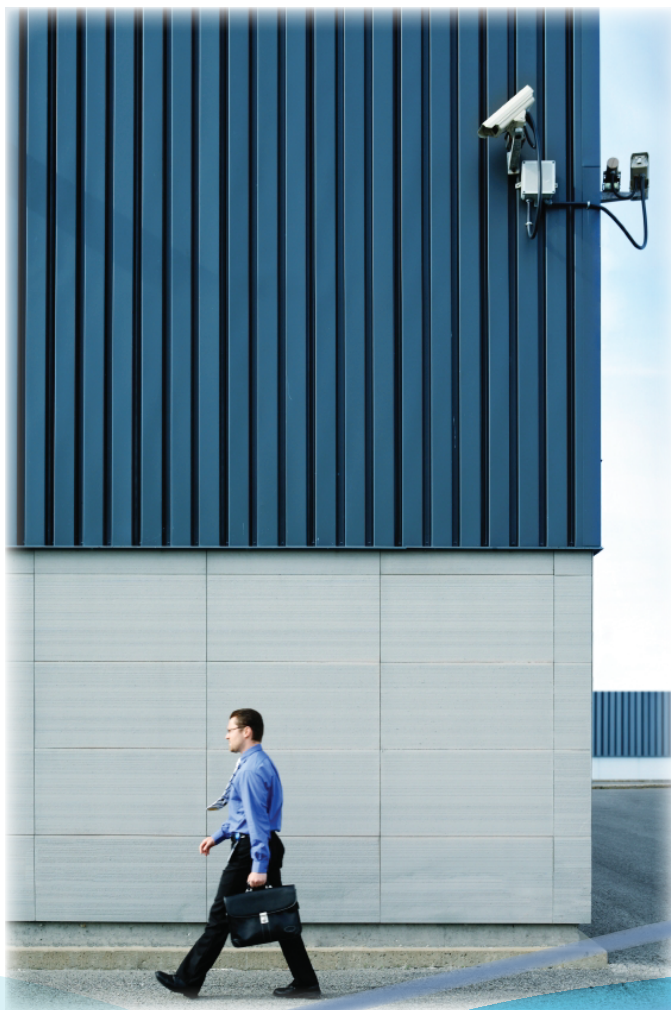




**PERFECTTM
VIEW**



TELECO[®]

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Perfect View **IP** Surveillance Catalog

2017 Q1/Q2

6MP IP Cameras

4MP IP Cameras

HNC516-VBA



HNC516-ODA



HNC516-IB



HNC304-TD



Description	6MP Motorized Smart IR Bullet	6MP Motorized Smart IR Vandal Dome	6MP Box Camera	4MP WDR 3-Axis Vandal Dome
Image Sensor	1/1.8" Progressive CMOS	1/1.8" Progressive CMOS	1/1.8" Progressive scan CMOS	1/3" Progressive Scan CMOS
Min Illumination	0.01 Lux @ F1.2, AGC ON, 0 Lux with IR	0.01 Lux @ F1.2, AGC ON, 0 Lux with IR	Color: 0.01Lux @F1.2, AGC ON,	0.01 Lux @ F1.2, AGC ON, 0 Lux with IR
Lens	2.8 ~ 12 mm @ F1.4	2.8 ~ 12 mm @ F1.4	C/CS mount	4mm@F2.0 (2.8mm, 6mm optional)
IR Range	Up to 164 feet	Up to 131 feet	N/A	Up to 100 feet
WDR	DWDR, 3D DNR	DWDR, 3D DNR	DWDR, 3D DNR	WDR 120dB, 3D DNR
Adjustment Range	Universal Mount	P:355°, T:75°; R:355°	N/A	P:355°, T:75°; R:355°
Day & Night	ICR, BLC, HLC, Defog	ICR, BLC, HLC, Defog	ICR, BLC, Defog	ICR, BLC, ROI
Video Compression	H.264/H.264+/MJPEG	H.264/H.264+/MJPEG	H.264/H.264+/MJPEG	H.264/H.264+/MJPEG
Max. Image Resolution	6MP CMOS, 3072 × 2048	6MP CMOS, 3072 × 2048	6MP CMOS, 3072 × 2048	4MP CMOS, 2688 × 1520
Frame Rate	24fps (3072 × 2048), 30fps (3072 × 1728)	24fps (3072 × 2048), 30fps (3072 × 1728)	24fps (3072 × 2048), 30fps (3072 × 1728) 30fps (1920 × 1080)	20fps (2688 × 1520), 30fps (1920 × 1080)
Weather Resistance	Yes	Yes	No	Yes
Client Software	IVMS (Windows), IVMS (MAC)	IVMS (Windows), IVMS (MAC)	IVMS (Windows), IVMS(MAC)	IVMS (Windows), IVMS (MAC)
Mobile Viewer	iPad/ iPhone/ Android	iPad/ iPhone/ Android	iPad/ iPhone/ Android	iPad/ iPhone/ Android
Dual Stream	Yes (Triple)	Yes (Triple)	Yes (Triple)	Yes
Motion Detection	Yes	Yes	Yes	Yes
Audio Input/Output	1/1	1/1	1/1	N/A
Alarm Input/Output	1/1	1/1	1/1	N/A
On Board Storage	Micro SD up to 128GB	Micro SD up to 128GB	Micro SD up to 128GB	Micro SD slot, up to 128GB
Ratings	IP67	IP66/ IK10	N/A	IP66/ IK10
Power/PoE	12VDC/ PoE 802.3af 12W Max.	12VDC/ 24VAC/ PoE 802.3af 12W Max.	12 VDC/24VAC/±10%, PoE802.3af 6W	DC12V±10%, PoE 802.3af 5W
Compliance	ONVIF (S&G), PSIA, CGI, ISAPI	ONVIF (S&G), PSIA, CGI, ISAPI	ONVIF (S&G), PSIA, CGI, ISAPI	ONVIF (S&G), PSIA, CGI, ISAPI
Certificate	UL/ cUL	UL/ cUL	UL/ cUL	UL/ cUL
Dimensions	3.94"×4.09"×12.28"	Φ6.49"×5"	2.75"×2.28"×5.71"	Φ111×82mm (4.4"×3.2")
Operating Temperature	-30°C ~ 60°C (-22°F ~ 140°F)	-30°C ~ 60°C (-22°F ~ 140°F)	-30°C ~ 60°C (-22°F ~ 140°F),	-30°C ~ 60°C (-22°F ~ 140°F),
	Humidity 95% or less (non-condensing)	Humidity 95% or less (non-condensing)	Humidity 95% or less (non-condensing)	Humidity 95% or less (non-condensing)

3MP IP Cameras

HNC513-VBA

HNC513-VBA32*



HNC513-ODA

HNC513-ODA32*



HNC503-BX



HNC303-TD



Description	3MP WDR Motorized Smart IR Bullet	3MP WDR Motorized Smart IR Vandal Dome	3MP WDR Smart Box Camera	3MP 3-Axis IR Vandal Dome
Image Sensor	1/2.8" Progressive CMOS	1/2.8" Progressive CMOS	1/3" Progressive scan CMOS	1/3" Progressive CMOS
Min Illumination	0.005 Lux @ F1.4, AGC ON, 0 Lux with IR	0.005 Lux @ F1.4, AGC ON, 0 Lux with IR	Color: 0.1 Lux @ F1.2, AGC ON	0.07 Lux @ F1.2, AGC ON, 0 lux with IR
Lens	2.8 ~ 12mm @ F1.4, (8 ~ 32mm @ F1.4)*	2.8 ~ 12mm @ F1.4, (8 ~ 32mm @ F1.4)*	C/CS mount	4mm @ F2.0 (2.8mm optional)
IR Range	Up to 164 feet, (328 feet)*	Up to 131 feet (164 feet)*	N/A	Up to 100 feet
WDR	WDR 120dB, 3D DNR	WDR 120dB, 3D DNR	WDR 120dB, 3D DNR	DWDR, 3D DNR
Adjustment Range	Universal Mount	P:0°~355°, T:0°~75°; R:0°~355°	N/A	P:0°~355°, T:0°~75°; R:0°~355°
Day & Night	ICR, BLC, HLC, Defog	ICR, BLC, HLC, Defog	ICR, BLC, Defog	ICR, BLC, ROI
Video Compression	H.264/H.264+/MJPEG	H.264/H.264+/MJPEG	H.264/H.264+/MPEG4/MJPEG	H.264/ MJPEG
Max. Image Resolution	3MP CMOS, 2048 × 1536	3MP CMOS, 2048 × 1536	3MP CMOS, 2048 × 1536	3MP CMOS, 2048 × 1536
Frame Rate	45fps (2048 × 1536), 60fps (1920 × 1080) 60fps (1280 × 720)	45fps (2048 × 1536), 60fps (1920 × 1080) 60fps (1280 × 720)	20fps (2048 × 1536), 30fps (1920 × 1080) 30fps (1280 × 720)	20fps (2048 × 1536), 30fps (1920 × 1080) 30fps (1280 × 720)
Weather Resistance	Yes	Yes	No	Yes
Client Software	IVMS (Windows), IVMS (MAC)	IVMS (Windows), IVMS (MAC)	IVMS (Windows), IVMS(MAC)	IVMS (Windows), IVMS (MAC)
Mobile Viewer	iPad/ iPhone/ Android	iPad/ iPhone/ Android	iPad/ iPhone/ Android	iPad/ iPhone/ Android
Dual Stream	Yes (Triple)	Yes (Triple)	Yes (Triple)	Yes
Motion Detection	Yes	Yes	Yes	Yes
Audio Input/Output	1/1	1/1	1/1	N/A
Alarm Input/Output	1/1	1/1	1/1	N/A
On Board Storage	Micro SD slot up to 128GB	Micro SD slot up to 128GB	Micro SD up to 64GB	Micro SD slot, up to 128GB
Ratings	IP67	IP66 / IK10	N/A	IP66/ IK10
Power/PoE	12VDC, PoE802.3af 15W Max.	DC12V/ 24VAC, PoE 802.3af 17W Max.	24VAC/12 VDC ± 10%, PoE (802.3af) 7W	12VDC, PoE 802.3af 5W Max.
Compliance	ONVIF (S&G), PSIA, CGI, ISAPI	ONVIF (S&G), PSIA, CGI, ISAPI	ONVIF (S&G), PSIA, CGI, ISAPI	ONVIF (S&G), PSIA, CGI, ISAPI
Certificate	UL/ cUL	UL/ cUL	UL/ cUL	UL/ cUL
Dimension	3.94"×4.09"×12.28"	Φ6.49"×5"	2.68"×2.56"×5.7"	Φ111×82mm (4.4"×3.2")
Operating Temperature	-30°C ~ 60°C (-22°F ~ 140 °F)	-30°C ~ 60°C (-22°F ~ 140°F)	-30°C ~ 60°C (-22°F ~ 140°F),	-30°C ~ 60°C (-22°F ~ 140°F)
	Humidity 95% or less (non-condensing)	Humidity 95% or less (non-condensing)	Humidity 95% or less (non-condensing)	humidity 90% or less (non-condensing)

4MP IP Cameras

HNC304-TDA
HNC304-TDC*



HNC304-MB



HNC304-XD



HNC304-XB



HNC304-WDA
HNC304-WDC*



4MP WDR 3-Axis IR Vandal Dome (Wi-Fi)*	4MP WDR IR Mini Bullet	4MP WDR EXIR Turret Dome	4MP WDR EXIR Bullet	4MP WDR IR Audio Mini Dome (Wi-Fi)*
1/3" Progressive Scan CMOS	1/3" Progressive CMOS	1/3" Progressive CMOS	1/3" Progressive Scan CMOS	1/3" Progressive Scan CMOS
0.01 Lux @ F1.2, AGC ON, 0 Lux with IR	0.01 Lux @ F1.2, AGC ON, 0 Lux with IR	0.01 Lux @ F1.2, AGC ON, 0 Lux with IR	0.01 Lux @ F1.2, AGC ON, 0 Lux with IR	0.01 Lux @ F1.2, AGC ON, 0 Lux with IR
2.8mm @ F2.0	4mm @ F2.0 (6mm Optional)	2.8mm @ F2.0 (4mm, 6mm Optional)	4mm @ F2.0 (6mm Optional)	2.8mm @ F2.0 (4mm, 6mm Optional)
Up to 100 feet	Up to 100 feet	Up to 100 feet	Up to 240 feet	Up to 30 feet
WDR 120dB, 3D DNR	WDR 120dB, 3D DNR	WDR 120dB, 3D DNR	WDR 120dB, 3D DNR	WDR 120dB, 3D DNR
P: 0°~355°, T: 0°~75°, R: 0°~355°	Universal Mount	P: 0°~360°, T: 0°~75°, R: 0°~360°	Universal Mount	Pan: -30°~30°, T: 0°~80°, R: 0°~360°
ICR, BLC, ROI	ICR, BLC, ROI	ICR, BLC, ROI	ICR, BLC, ROI	ICR, BLC, ROI
H.264/ MJPEG/ H.264+	H.264/ MJPEG/ H.264+	H.264/ MJPEG/ H.264+	H.264/ MJPEG/ H.264+	H.264/ MJPEG/ H.264+
4MP CMOS, 2688 × 1520	4MP CMOS, 2688 × 1520	4MP CMOS, 2688 × 1520	4MP CMOS, 2688 × 1520	4MP CMOS, 2688 × 1520
20fps (2688 × 1520), 30fps (1920 × 1080)	20fps (2688 × 1520), 30fps (1920 × 1080)	20fps (2688 × 1520), 30fps (1920 × 1080)	20fps (2688 × 1520), 30fps (1920 × 1080)	20fps (2688 × 1520), 30fps (1920 × 1080)
Yes	Yes	Yes	Yes	Yes
iVMS (Windows), iVMS (MAC)	iVMS (Windows), iVMS (MAC)	iVMS (Windows), iVMS (MAC)	iVMS (Windows), iVMS (MAC)	iVMS (Windows), iVMS (MAC)
iPad/ iPhone/ Android	iPad/ iPhone/ Android	iPad/ iPhone/ Android	iPad/ iPhone/ Android	iPad/ iPhone/ Android
Yes	Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes	Yes
1/1	N/A	N/A	N/A	Built-in Mic, Audio Out
1/1	N/A	N/A	N/A	1/1
Micro SD slot, up to 128GB	N/A	N/A	N/A	Micro SD slot, up to 128 GB
IP66/ IK10 (IK08)*	IP66	IP66	IP66	IP66, IK08
DC12V±10%, 5W/ PoE (802.3af)	DC12V±10%, 5W/ PoE (802.3af)	DC12V±10%, 5.5W/ PoE (802.3af)	DC12V±10%, 10.5W/ PoE (802.3af)	DC12V±10%, 5W/ PoE (802.3af)
ONVIF (S&G), PSIA, CGI, ISAPI	ONVIF (S&G), PSIA, CGI, ISAPI	ONVIF (S&G), PSIA, CGI, ISAPI	ONVIF (S&G), PSIA, CGI, ISAPI	ONVIF (S&G), PSIA, CGI, ISAPI
UL/cUL	UL/cUL	UL/cUL	UL/cUL	UL/cUL
Φ111x82mm (4.4"×3.2")	60.4x76.9x139.2mm (2.4"×3.0"×5.5")	Φ127x97.5mm (5.0"×3.8")	299.71x86.48x85.11mm (11.8"×3.4"×3.35")	99.3x96.7x52.8mm (3.9"×3.8"×2.1")
-10°C ~ 40°C (14°F ~ 104°F)	-30°C ~ 60°C (-22°F ~ 140°F)	-30°C ~ 60°C (-22°F ~ 140°F)	-30°C ~ 60°C (-22°F ~ 140°F)	-30°C ~ 60°C (-22°F ~ 140°F)
Humidity 95% or less (non-condensing)	Humidity 95% or less (non-condensing)	Humidity 95% or less (non-condensing)	Humidity 95% or less (non-condensing)	Humidity 95% or less (non-condensing)

3MP IP Cameras

HNC303-TDA
HNC303-TDC*



HNC303-MB



HNC303-XD



HNC303-XB



HNC303-WDA
HNC303-WDC*



3MP IR 3-Axis Vandal Dome (Wi-Fi)*	3MP IR Mini Bullet	3MP EXIR Turret Dome	3MP EXIR Bullet	3MP IR Audio Mini Dome (Wi-Fi)*
1/3" Progressive CMOS	1/3" Progressive CMOS	1/3" Progressive CMOS	1/3" Progressive CMOS	1/3" Progressive Scan CMOS
0.07 Lux @ F1.2, AGC ON, 0 lux with IR	0.07 Lux @ F1.2, AGC ON, 0 Lux with IR	0.07 Lux @ F1.2, AGC ON, 0 lux with IR	0.07 Lux @ F1.2, AGC ON, 0 Lux with IR	0.07 Lux @ F1.2, AGC ON, 0 Lux with IR
2.8mm @ F2.0	4mm @ F2.0	4mm @ F2.0 (2.8mm optional)	4mm @ F2.0	2.8mm @ F2.0
Up to 100 feet	Up to 100 feet	Up to 100 feet	Up to 150 feet	Up to 30 feet
DWDR, 3D DNR	DWDR, 3D DNR	DWDR, 3D DNR	DWDR, 3D DNR	DWDR, 3D DNR
P: 0°~355°, T: 0°~75°, R: 0°~355°	Universal Mount	P: 0°~360°, T: 0°~75°, R: 0°~360°	Universal Mount	Pan: -30°~30°, T: 0°~80°, R: 0°~360°
ICR, BLC, ROI	ICR, BLC, ROI	ICR, BLC, ROI	ICR, BLC, ROI	ICR, BLC, ROI
H.264/ MJPEG	H.264/ MJPEG	H.264 / MJPEG	H.264/ MJPEG	H.264/ MJPEG
3MP CMOS, 2048 × 1536	3MP CMOS, 2048 × 1536	3MP CMOS, 2048 × 1536	3MP CMOS, 2048 × 1536	3MP CMOS, 2048 × 1536
20fps (2048 × 1536), 30fps (1920 × 1080)	20fps (2048 × 1536), 30fps (1920 × 1080)	20fps (2048 × 1536), 30fps (1920 × 1080)	20fps (2048 × 1536), 30fps (1920 × 1080)	20fps (2048 × 1536), 30fps (1920 × 1080)
30fps (1280 × 720)	30fps (1280 × 720)	30fps (1280 × 720)	30fps (1280 × 720)	30fps (1280 × 720)
Yes	Yes	Yes	Yes	Yes
iVMS (Windows), iVMS (MAC)	iVMS (Windows), iVMS (MAC)	iVMS (Windows), iVMS (MAC)	iVMS (Windows), iVMS (MAC)	iVMS (Windows), iVMS (MAC)
iPad/ iPhone/ Android	iPad/ iPhone/ Android	iPad/ iPhone/ Android	iPad/ iPhone/ Android	iPad/ iPhone/ Android
Yes	Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes	Yes
1/1	N/A	N/A	N/A	Built-in Mic, Audio Out
1/1	N/A	N/A	N/A	1/1
Micro SD up to 128GB	N/A	N/A	N/A	Micro SD slot, up to 128 GB
IP66/ IK10 (IK08)*	IP66	IP66	IP66	IP66, IK08
12VDC, PoE 802.3af 7W Max.	12VDC, PoE 802.3af 7W Max.	12VDC, PoE 802.3af 7.5W Max.	12VDC, PoE 802.3af 7W Max.	DC12V±10%, 5W/ PoE (802.3af)
ONVIF (S&G), PSIA, CGI, ISAPI	ONVIF (S&G), PSIA, CGI, ISAPI	ONVIF (S&G), PSIA, CGI, ISAPI	ONVIF (S&G), PSIA, CGI, ISAPI	ONVIF (S&G), PSIA, CGI, ISAPI
UL/ cUL	UL/ cUL	UL/ cUL	UL/ cUL	UL/ cUL
Φ111×82mm (4.4"×3.2")	60.4x76.9x139.2mm (2.4"×3.0"×5.5")	Φ127x97.5mm (5.0"×3.8")	100.5x88.1x157.3mm (3.95"×3.46"×6.19")	99.3x96.7x52.8mm (3.9"×3.8"×2.1")
-30°C ~ 60°C (-22°F ~ 140°F)	-30°C ~ 60°C (-22°F ~ 140°F)	-30°C ~ 60°C (-22°F ~ 140°F)	-30°C ~ 60°C (-22°F ~ 140°F)	-30°C ~ 60°C (-22°F ~ 140°F)
humidity 90% or less (non-condensing)	Humidity 95% or less (non-condensing)	Humidity 95% or less (non-condensing)	Humidity 95% or less (non-condensing)	Humidity 95% or less (non-condensing)

4MP IP Cameras

HNC304-VDA
HNC304-VDZ*



HNC304-VBA
HNC304-VBZ*



HNC304-FNA



HNC312-MB



4MP WDR VF IR Vandal Dome (Motorized)*	4MP WDR VF IR Bullet (Motorized)*	4MP Fisheye	Description	2MP IR Mini Bullet
1/3" Progressive Scan CMOS	1/3" Progressive Scan CMOS	1/3" Progressive Scan CMOS	Image Sensor	1/2.8" Progressive CMOS
0.01 Lux @ F1.2, AGC ON, 0 lux with IR	0.01 Lux @ F1.2, AGC ON, 0 lux with IR	0.01 Lux @ (F1.2, AGC ON)	Min Illumination	0.01 Lux @ F1.2, AGC ON, 0 lux with IR
2.8 ~ 12mm @ F1.4(Motorized)*	2.8 ~ 12mm @ F1.4(Motorized)*	1.6mm	Lens	4mm @ F2.0
Up to 100 feet	Up to 100 feet	N/A	IR Range	Up to 100 feet
WDR 120dB, 3D DNR	WDR 120dB, 3D DNR	3D DNR	WDR	DWDR, 3D DNR
P:0°~355°, T:0°~75°; R:0°~355°	Universal Mount	Ceiling/ Wall mount	Adjustment Range	Universal Mount
ICR, BLC, ROI	ICR, BLC, ROI	ICR, BLC, ROI, Defog	Day & Night	ICR, BLC, ROI
H.264/ MJPEG/ H.264+	H.264/ MJPEG/ H.264+	H.264/ MJPEG	Video Compression	H.264/ MJPEG
4MP CMOS, 2688 × 1520	4MP CMOS, 2688 × 1520	4MP CMOS, 2560 x 1440	Max. Image Resolution	2MP CMOS, 1920 × 1080
20fps (2688 × 1520), 30fps (1920 × 1080)	20fps (2688 × 1520), 30fps (1920 × 1080)	15fps (2560x1440), 30fps (1920x1080)	Frame Rate	30fps (1920 x 1080)
Yes	Yes	No	Weather Resistance	Yes
iVMS (Windows), iVMS (MAC)	iVMS (Windows), iVMS (MAC)	iVMS (Window), iVMS (MAC)	Client Software	iVMS (Windows), iVMS (MAC)
iPad/ iPhone/ Android	iPad/ iPhone/ Android	iPad/ iPhone/ Android	Mobile Viewer	iPad/ iPhone/ Android
Yes	Yes	Yes	Dual Stream	Yes
Yes	Yes	Yes	Motion Detection	Yes
1/1	1/1	1/1	Audio Input/Output	N/A
1/1	1/1	1/1	Alarm Input/Output	N/A
Micro SD slot, up to 128 GB	Micro SD slot up to 128 GB	Micro SD slot, up to 64 GB	On Board Storage	N/A
IP66/ IK10	IP66	Indoor	Ratings	IP66
DC12V±10%, 5.5W/ PoE (802.3af)	DC12V±10%, 7.5W/ PoE (802.3af)	DC12V ± 10%, 5.55W/ PoE (802.3af)	Power/PoE	12VDC, PoE 802.3af 7W Max.
ONVIF (S&G), PSIA, CGI, ISAPI	ONVIF (S&G), PSIA, CGI, ISAPI	ONVIF (S&G), PSIA, CGI, ISAPI	Compliance	ONVIF (S&G), PSIA, CGI, ISAPI
UL/cUL	UL/cUL	UL/cUL	Certificate	UL/ cUL
Φ140x99.9mm (Φ5.51"×3.94")	95x105x258.6mm (3.74"x4.13"x10.18")	Φ119.9x41.2mm (4.7"x1.6")	Dimensions	60.4x76.9x139.2mm (2.4"x3.0"x5.5")
-30°C ~ 60°C (-22°F ~ 140°F)	-30°C ~ 60°C (-22°F ~ 140°F)	-10°C ~ 40°C (14°F ~ 104°F)	Operating Temperature	-30°C ~ 60°C (-22°F ~ 140°F)
Humidity 95% or less (non-condensing)	Humidity 95% or less (non-condensing)	Humidity 95% or less (non-condensing)		Humidity 90% or less (non-condensing)

3MP IP Cameras

HNC303-VD



HNC303-VB



HNC303-CU



HNC304-CU



HNC311-PH



3MP VF IR Vandal Dome	3MP VF IR Bullet	3MP IR Cube	4MP WDR IR Cube	1MP Pinhole
1/3" Progressive CMOS	1/3" Progressive CMOS	1/3" Progressive CMOS	1/3" Progressive Scan CMOS	1/4" Progressive scan CMOS
0.07 Lux @ F1.2, AGC ON, 0 Lux with IR	0.07 Lux @ F1.2, AGC ON, 0 lux with IR	0.07 Lux @ F1.2, AGC ON, 0 Lux with IR	0.01 Lux @ F1.2, AGC ON, 0 Lux with IR	Color: 0.01Lux @F1.2, AGC ON,
2.8 ~ 12mm @ F1.4	2.8 ~ 12mm @ F1.4	4mm @ F2.0	4mm@F2.0	3.2mm @ F2.5, FOV: 65°
Up to 100 feet	Up to 100 feet	Up 45 feet	Up to 45 feet	N/A
DWDR, 3D DNR	DWDR, 3D DNR	DWDR, 3D DNR	WDR 120dB, 3D DNR	WDR 100db, 3D DNR
P:0°~355°, T:0°~75°; R:0°~355°	Universal Mount	Universal Mount	Universal Mount	N/A
ICR, BLC, ROI	ICR, BLC, ROI	ICR, BLC, ROI	ICR, BLC, ROI	ROI, BLC
H.264/ MJPEG	H.264 / MJPEG	H.264/ MJPEG	H.264/H.264+/MJPEG	H.264/MJPEG
3MP CMOS, 2048 × 1536	3MP CMOS, 2048 × 1536	3MP CMOS, 2048 × 1536	4MP CMOS, 2688 × 1520	1MP CMOS, 1280 × 720
20fps (2048 × 1536), 30fps (1920 × 1080)	20fps (2048 × 1536), 30fps (1920 × 1080)	20fps (2048 × 1536), 30fps (1920 × 1080)	20fps (2688 × 1520), 30fps (1920 × 1080)	30fps (1280 × 720)
30fps (1280 × 720)	30fps (1280 × 720)	30fps (1280 × 720)		
Yes	Yes	No	No	No
iVMS (Windows), iVMS (MAC)	iVMS (Windows), iVMS (MAC)	iVMS (Windows), iVMS (MAC)	iVMS (Windows), iVMS (MAC)	iVMS (Windows), iVMS(MAC)
iPad/ iPhone/ Android	iPad/ iPhone/ Android	iPad/ iPhone/ Android	iPad/ iPhone/ Android	iPad/ iPhone/ Android
Yes	Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes	Yes
1/1	N/A	Built-in MIC & Speaker	Built-in MIC & Speaker	1/1
1/1	N/A	0/1	0/1	1/1
Micro SD slot up to 128GB	Micro SD slot, up to 128GB	Micro SD slot up to 128GB	Micro SD slot, up to 128GB	Micro SD up to 128GB
IP66, IK10	IP66	Indoor	IP66/ IK10	N/A
12VDC, PoE 802.3af 7.5W Max.	12VDC, PoE 802.3af 7.5W Max.	12VDC, PoE 802.3af 5W Max.	DC12V±10%, PoE 802.3af 5W	12 VDC/±10%, PoE802.3af 2.3W
ONVIF (S&G), PSIA, CGI, ISAPI	ONVIF (S&G), PSIA, CGI, ISAPI	ONVIF (S&G), PSIA, CGI, ISAPI	ONVIF (S&G), PSIA, CGI, ISAPI	ONVIF (S&G), PSIA, CGI, ISAPI
UL/ cUL	UL/ cUL	UL/ cUL	UL/ cUL	UL/ cUL
Φ140x99.9mm (Φ5.51"×3.94")	95x105x258.6mm (3.74"x4.13"x10.18")	2.8"x3.6"x5.17"	2.8" x 3.6" x 5.17"	2.17"×1.63"×1.05"
-30°C ~ 60°C (-22°F ~ 140°F)	-30°C ~ 60°C (-22°F ~ 140°F)	-30°C ~ 60°C (-22°F ~ 140°F)	-30°C ~ 60°C (-22°F ~ 140°F),	-30°C ~ 60°C (-22°F ~ 140°F),
Humidity 95% or less (non-condensing)	Humidity 95% or less (non-condensing)	Humidity 95% or less (non-condensing)	Humidity 95% or less (non-condensing)	Humidity 95% or less (non-condensing)

4MP IP Cam

Pinhole

2MP IP Cameras

HNC312-TD



HNC312-VBA



HNC312-VDA



HNC312-CU



HNC312-RDW



2MP 3-Axis IR Vandal Dome	2MP VF IR Bullet	2MP VF IR Vandal Dome	2MP IR Cube	2MP Wi-Fi Recessed Mount Dome
1/3" Progressive CMOS	1/3" Progressive CMOS	1/3" Progressive CMOS	1/3" Progressive CMOS	1/3" Progressive Scan CMOS
0.01 Lux @ F1.2, AGC ON, 0 lux with IR	0.01 Lux @ F1.2, AGC ON, 0 lux with IR	0.01 Lux @ F1.2, AGC ON, 0 lux with IR	0.01 Lux @ F1.2, AGC ON, 0 lux with IR	0.01 Lux @ F1.2, AGC ON
4mm @ F2.0 (2.8mm optional)	2.8 ~ 12mm @ F1.4	2.8 ~ 12mm @ F1.4	4mm @ F2.0	4mm @ .F2.0 (2.8mm Optional)
Up to 100 feet	Up to 100 feet	Up to 100 feet	Up to 45 feet	N/A
DWDR	DWDR	DWDR	DWDR	DWDR
P:0°~355°, T:0°~75°; R:0°~355°	Universal Mount	P:0°~355°, T:0°~75°; R:0°~355°	Universal Mount	Ceiling Mount
ICR, 3D DNR	ICR, 3D DNR	ICR, 3D DNR	ICR, 3D DNR	ICR, 3D DNR
H.264 / MJPEG	H.264 / MJPEG	H.264 / MJPEG	H.264 / MJPEG	H.264 / MJPEG
2MP CMOS, 1920 × 1080	2MP CMOS, 1920 × 1080	2MP CMOS, 1920 × 1080	2MP CMOS, 1920 × 1080	2MP CMOS, 1920 × 1080
30fps (1920 x 1080)	30fps (1920 x 1080)	30fps (1920 x 1080)	30fps (1920 x 1080)	30fps (1920 x 1080)
Yes	Yes	Yes	No	No
iVMS (Windows), iVMS (MAC)	iVMS (Windows), iVMS (MAC)	iVMS (Windows), iVMS (MAC)	iVMS (Windows), iVMS (MAC)	iVMS (Windows), iVMS (MAC)
iPad/ iPhone/ Android	iPad/ iPhone/ Android	iPad/ iPhone/ Android	iPad/ iPhone/ Android	iPad/ iPhone/ Android
Yes	Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes	Yes
N/A	1/1	1/1	MIC & Speaker	N/A
N/A	1/1	1/1	Yes	N/A
Micro SD slot, up to 128GB	Micro SD slot, up to 128GB	Micro SD slot, up to 128GB	Micro SD slot, up to 128GB	Micro SD slot, up to 128GB
IP66/ IK10	IP66	IP66/IK10	Indoor	Indoor
12VDC, PoE 802.3af 7W Max.	12VDC, PoE 802.3af 7.5W Max.	12VDC, PoE 802.3af 7.5W Max.	12VDC, PoE 802.3af 5W Max.	DC12V±10%, 4.2W/ PoE (802.3af)
ONVIF (S&G), PSIA, CGI, ISAPI	ONVIF (S&G), PSIA, CGI, ISAPI	ONVIF (S&G), PSIA, CGI, ISAPI	ONVIF (S&G), PSIA, CGI, ISAPI	ONVIF (S&G), PSIA, CGI, ISAPI
UL/ cUL	UL/ cUL	UL/ cUL	UL/ cUL	UL
Φ111x82mm (4.4"×3.2")	95x105x258.6mm (3.74"x4.13"x10.18")	Φ140x99.9mm (Φ5.51"×3.94")	2.8"x3.6"x5.17"	Φ93.9x121.6mm (Φ3.7"×4.8")
-30°C ~ 60°C (-22°F ~ 140°F)	-30°C ~ 60°C (-22°F ~ 140°F)	-30°C ~ 60°C (-22°F ~ 140°F)	-30°C ~ 60°C (-22°F ~ 140°F)	-10°C ~ 40°C (14°F ~ 104°F)
Humidity 90% or less (non-condensing)	Humidity 95% or less (non-condensing)	Humidity 95% or less (non-condensing)	Humidity 95% or less (non-condensing)	Humidity 95% or less (non-condensing)

Panoramic

Pinhole

HNCA12-FE



HNCA06-FE



HNCA03-FE



HNA02-PHL



Description	12MP Smart IR Fisheye	6MP Smart IR Fisheye	3MP WDR Smart IR Fisheye	2MP WDR Smart Pinhole
Image Sensor	1/1.7" Progressive scan CMOS	1/1.8" Progressive scan CMOS	1/3" Progressive Scan CMOS	1/2.7" Progressive Scan CMOS
Min Illumination	0.01 Lux @ F1.2, AGC ON, 0 Lux with IR	0.05 Lux @ F1.2, AGC ON, 0 Lux with IR	0.1 Lux @ F1.2, AGC ON, 0 Lux with IR	0.01 Lux @ F2.3, AGC ON, B/W: 0.003 Lux @ F2.3, AGC ON
Lens	1.98mm	1.27mm	1.19mm	3.7mm
IR Range	Up to 50 feet	Up to 50 feet	Up to 50 feet	N/A
Angle of View	360° & 180°	360° & 180°	360° & 180°	57°
WDR	DWDR, 3D DNR	DWDR, 3D DNR	WDR 120dB, 3D DNR	WDR 120dB, 3D DNR
Day & Night	ICR, ROI	ICR, ROI	ICR, ROI	ICR, HLC, BLC, Defog
Video Compression	H.264 / MJPEG	H.264 / MJPEG	H.264 / MJPEG	H.264 / MPEG4/ MJPEG
Max. Image Resolution	4000 × 3072	3072 × 2048	2048 × 1536	1920 × 1080
Frame Rate	60Hz: 1 x fisheye (4000 x 3072, 20fps) or (2048 x 2048, 30fps)	60Hz: 1 x fisheye (3072 x 2048, 25fps) or (2048 x 2048, 30fps)	60Hz: 1 x fisheye view (2048 × 1536, 30fps) or (1536 x 1536, 30fps)	60Hz: 30fps (1920 × 1080), 30fps (1280 × 720)
Weather Resistance	Yes	Yes	Yes	No
Client Software	iVMS (Windows), iVMS(MAC)	iVMS (Windows), iVMS(MAC)	iVMS (Windows), iVMS(MAC)	iVMS (Windows), iVMS(MAC)
Mobile Viewer	iPad/ iPhone/ Android	iPad/ iPhone/ Android	iPad/ iPhone/ Android	iPad/ iPhone/ Android
Motion Detection	Yes	Yes	Yes	Yes
Audio Input/Output	Built-in Mic & Speaker	Built-in Mic & Speaker	Built-in Mic & Speaker	1/1
Alarm Input/Output	1/1	1/1	1/1	1/1
On Board Storage	Micro SD up to 128GB	Micro SD up to 128GB	Micro SD up to 128GB	Micro SD up to 128GB
Ratings	IP66/ IK10	IP66/ IK10	IP66/ IK10	Indoor
Power/PoE	12 VDC ± 10%, PoE (802.3af) 14.7W	12 VDC ± 10%, PoE (802.3af) 12W	12 VDC ± 10%, PoE (802.3af) 12W	DC12V ± 10%, PoE (802.3af) 8.5W
Compliance	ONVIF (S&G), PSIA, CGI, ISAPI	ONVIF (S&G), PSIA, CGI, ISAPI	ONVIF (S&G), PSIA, CGI, ISAPI	ONVIF (S&G), PSIA, CGI, ISAPI
Certificate	UL/ cUL	UL/ cUL	UL/ cUL	UL/ cUL
Dimension	Φ6.46"x1.79"	Φ6.46"x1.79"	Φ6.46"x1.79"	1.024"x1.567"
Operating Temperature	30 °C ~ 60 °C (-22 °F ~ 140 °F), Humidity 95% or less (non-condensing)	30 °C ~ 60 °C (-22 °F ~ 140 °F), Humidity 95% or less (non-condensing)	-30 °C ~ 60 °C (-22 °F ~ 140 °F), Humidity 95% or less (non-condensing)	-30 °C ~ 60 °C (-22 °F ~ 140 °F), Humidity 95% or less (non-condensing)

5MP IP Cameras

HNC305-XB



HNC305-XD



HNC305-TD
HNC305-TDA*



HNC305-MB



Description	5MP EXIR Bullet	5MP EXIR Turret Dome	5MP 3-Axis IR Vandal Dome	5MP IR Mini Bullet
Image Sensor	1/3" Progressive CMOS	1/3" Progressive scan CMOS	1/3" Progressive scan CMOS	1/3" Progressive Scan CMOS
Min Illumination	0.01 Lux @ F1.2, AGC ON, 0 Lux with IR	Color: 0.01Lux @F1.2, AGC ON,	Color: 0.01Lux @F1.2, AGC ON,	0.01 Lux @ F1.2, AGC ON, 0 Lux with IR
Lens	4 mm @ F2.0 (6mm Optional)	4mm @ F2.0 (2.8mm Optional)	4mm @ F2.0	4mm @ F2.0
IR Range	Up to 150 feet	Up to 100 feet	Up to 100 feet	Up to 100 feet
WDR	DWDR, 3D DNR	DWDR, 3D DNR	DWDR, 3D DNR	DWDR, 3D DNR
Adjustment Range	Universal Mount	P:360°, T:75°; R:360°	P:355°, T:75°; R:355°	Universal Mount
Day & Night	ICR, 3D DNR	ICR, 3D DNR	ICR, 3D DNR	ICR, 3D DNR
Video Compression	H.264/H.264+/MJPEG	H.264/H.264+/MJPEG	H.264/H.264+/MJPEG	H.264/ MJPEG/ H.264+
Max. Image Resolution	5MP CMOS, 2560 × 1920	5MP CMOS, 2560 × 1920	5MP CMOS, 2560 × 1920	5MP CMOS, 2560 × 1920
Frame Rate	20fps (2560 × 1920), 30fps (1920 × 1080)	20fps (2560 × 1920), 30fps (1920 × 1080)	20fps (2560 × 1920), 30fps (1920 × 1080)	20fps (2560 × 1920), 30fps (1920 × 1080)
Weather Resistance	Yes	Yes	Yes	Yes
Client Software	IVMS (Windows), IVMS (MAC)	IVMS (Windows), IVMS(MAC)	IVMS (Windows), IVMS(MAC)	IVMS (Windows), IVMS (MAC)
Mobile Viewer	iPad/ iPhone/ Android	iPad/ iPhone/ Android	iPad/ iPhone/ Android	iPad/ iPhone/ Android
Dual Stream	Yes	Yes	Yes	Yes
Motion Detection	Yes	Yes	Yes	Yes
Audio Input/Output	N/A	N/A	N/A (1/1*)	N/A
Alarm Input/Output	N/A	N/A	N/A (1/1*)	N/A
On Board Storage	N/A	N/A	Micro SD up to 128GB	N/A
Ratings	IP66	IP66	IP66/IK10	IP66
Power/PoE	12VDC/ PoE 802.3af 7W Max.	12 VDC/±10%, PoE802.3af 7W	12 VDC/±10%, PoE802.3af 5W	DC12V±10%, PoE 802.3af 5W
Compatibility	ONVIF (S&G), PSIA, CGI, ISAPI	ONVIF (S&G), PSIA, CGI, ISAPI	ONVIF (S&G), PSIA, CGI, ISAPI	ONVIF (S&G), PSIA, CGI, ISAPI
Certificate	UL/ cUL	UL/ cUL	UL/ cUL	UL/ cUL
Dimensions	11.8" × 3.4" × 3.35"	5.0" × 3.8"	4.4" × 3.2"	2.4" × 3.0" × 5.5"
Operating Temperature	-30°C ~ 60°C (-22°F ~ 140°F), Humidity 90% or less (non-condensing)	-30°C ~ 60°C (-22°F ~ 140°F), Humidity 90% or less (non-condensing)	-30°C ~ 60°C (-22°F ~ 140°F), Humidity 90% or less (non-condensing)	-30°C ~ 60°C (-22°F ~ 140°F), Humidity 90% or less (non-condensing)

5MP IP Cameras

2MP IP Camera

HNC305-WDA



HNC305-VBZ



HNC305-VDZ



HNC312-XD/2.8



Description	5MP IR Audio Mini Dome	5MP Motorized IR Bullet	5MP Motorized IR Vandal Dome	2MP EXIR Turret Dome
Image Sensor	1/3" Progressive scan CMOS	1/3" Progressive scan CMOS	1/3" Progressive scan CMOS	1/3" Progressive scan CMOS
Min Illumination	Color: 0.01Lux @F1.2, AGC ON,	Color: 0.01Lux @F1.2, AGC ON,	Color: 0.01Lux @F1.2, AGC ON,	Color: 0.01Lux @F1.2, AGC ON,
Lens	2.8mm @ F2.0 (4mm Optional)	2.8~12mm @ F2.0 Motorized	2.8~12mm @ F2.0 Motorized	2.8mm @ F2.0
IR Range	Up to 30 feet	Up to 100 feet	Up to 100 feet	Up to 100 feet
WDR	DWDR, 3D DNR, IRC	DWDR, 3D DNR, IRC	DWDR, 3D DNR, IRC	DWDR, 3D DNR
Adjustment Range	P:-30°~30°, T:0~75°; R:0~360°	P:360°, T:75°; R:360°	P:360°, T:75°; R:360°	P:360°, T:75°; R:360°
Day & Night	ICR, 3D DNR	ICR, 3D DNR	ICR, 3D DNR	ICR, 3D DNR
Video Compression	H.264/H.264+/MJPEG	H.264/H.264+/MJPEG	H.264/H.264+/MJPEG	H.264/H.264+/MJPEG
Max. Image Resolution	5MP CMOS, 2560 × 1920	5MP CMOS, 2560 × 1920	5MP CMOS, 2560 × 1920	2MP CMOS, 2560 × 1920
Frame Rate	20fps (2560 × 1920), 30fps (1920 × 1080)	20fps (2560 × 1920), 30fps (1920 × 1080)	20fps (2560 × 1920), 30fps (1920 × 1080)	30fps (1920 × 1080)
Weather Resistance	Yes	Yes	Yes	Yes
Client Software	IVMS (Windows), IVMS(MAC)	IVMS (Windows), IVMS(MAC)	IVMS (Windows), IVMS(MAC)	IVMS (Windows), IVMS(MAC)
Mobile Viewer	iPad/ iPhone/ Android	iPad/ iPhone/ Android	iPad/ iPhone/ Android	iPad/ iPhone/ Android
Dual Stream	Yes	Yes	Yes	Yes
Motion Detection	Yes	Yes	Yes	Yes
Audio Input/Output	Built-in Mic, Audio Out	1/1	1/1	N/A
Alarm Input/Output	1/1	1/1	1/1	N/A
On Board Storage	Micro SD up to 128GB	Micro SD up to 128GB	Micro SD up to 128GB	N/A
Ratings	IP66/IK08	IP66	IP66/IK10	IP66
Power/PoE	12 VDC/±10%, PoE802.3af 5W	12 VDC/±10%, PoE802.3af 5.5W	12 VDC/±10%, PoE802.3af 5.5W	12 VDC/±10%, PoE802.3af 7W
Compatibility	ONVIF (S&G), PSIA, CGI, ISAPI	ONVIF (S&G), PSIA, CGI, ISAPI	ONVIF (S&G), PSIA, CGI, ISAPI	ONVIF (S&G), PSIA, CGI, ISAPI
Certificate	UL/ cUL	UL/ cUL	UL/ cUL	UL/ cUL
Dimension	3.9" × 3.8" × 2.1"	3.74" × 4.13" × 10.18"	5.51" × 3.94"	5.0" × 3.8"
Operating Temperature	-30°C ~ 60°C (-22°F ~ 140°F), Humidity 90% or less (non-condensing)	-30°C ~ 60°C (-22°F ~ 140°F), Humidity 90% or less (non-condensing)	-30°C ~ 60°C (-22°F ~ 140°F), Humidity 90% or less (non-condensing)	-30°C ~ 60°C (-22°F ~ 140°F), Humidity 90% or less (non-condensing)

8MP/4K IP Cameras

2MP LPR IP Cam

HNC518-VBA



HNC518-ODA



HNC518-IDA



HNC512-VBA12-LPR
HNC512-VBA32-LPR



Description	8MP Motorized Smart IR Bullet	8MP Motorized Smart IR Dome	8MP Motorized Smart IR Dome	2MP Motorized LPR Smart IR Bullet
Image Sensor	1/1.7" Progressive CMOS	1/1.7" Progressive CMOS	1/1.7" Progressive scan CMOS	1/2.8" Progressive scan CMOS
Min Illumination	0.009 Lux @ F1.2, AGC ON, 0 Lux with IR	0.009 Lux @ F1.2, AGC ON, 0 Lux with IR	0.009 Lux @ F1.2, AGC ON,	0.005 Lux @ F1.2, AGC ON,
Lens	2.8 ~ 12 mm @ F1.4 Motorized	2.8 ~ 12 mm @ F1.4 Motorized	2.8 ~ 12mm @ F1.4 Motorized	2.8 ~ 12mm @ F1.4 Motorized (8~32)*
IR Range	Up to 150 feet	Up to 120 feet	Up to 100 feet	Up to 150 feet (300 feet)*
WDR	DWDR, 3D DNR	DWDR, 3D DNR	DWDR, 3D DNR	DWDR, 3D DNR
Adjustment Range	Universal Mount	Pan: 0~355°, Tilt: 0~75°, Rotate: 0~355°	Pan: 0~355°, Tilt: 0~75°, Rotate: 0~355°	Universal Mount
Day & Night	ICR, BLC, HLC, ROI, Defog	ICR, BLC, HLC, ROI, Defog	ICR, BLC, HLC, ROI, Defog	ICR, BLC, HLC, ROI, Defog
Video Compression	H.264/H.264+/MJPEG	H.264 / H.264+ / MJPEG	H.264 / H.264+ / MJPEG	H.264 / H.264+ / MJPEG
Max. Image Resolution	8MP CMOS, 4096 x 2160	8MP CMOS, 4096 x 2160	8MP CMOS, 4096 x 2160	2MP CMOS, 1920 x 1080
Frame Rate	22ps (4096 × 2160), 24fps (3840 × 2160)	22ps (4096 × 2160), 24fps (3840 × 2160)	22ps (4096 × 2160), 24fps (3840 × 2160)	60fps (1920 × 1080), 60fps (1280 × 720)
Weather Resistance	Yes	Yes	No	No
Client Software	iVMS (Windows), iVMS (MAC)	iVMS (Windows), iVMS (MAC)	iVMS (Windows), iVMS(MAC)	iVMS (Windows), iVMS(MAC)
Mobile Viewer	iPad/ iPhone/ Android	iPad/ iPhone/ Android	iPad/ iPhone/ Android	iPad/ iPhone/ Android
Dual Stream	Yes	Yes	Yes	Yes
Motion Detection	Yes	Yes	Yes	Yes
Audio Input/Output	1/1	1/1	1/1	1/1
Alarm Input/Output	1/1	1/1	1/1	1/1
On Board Storage	Micro SD up to 128GB	Micro SD up to 128GB	Micro SD up to 128GB	Micro SD up to 128GB
Ratings	IP67	IP66/ IK10	IK10	IP67
Power/PoE	12VDC, PoE 802.3af 12W Max	12VDC/ 24VAC/ PoE 802.3af 12W Max.	12 VDC/±10%, PoE 802.3af 10W Max ONVIF	12 VDC/±10%, PoE 802.3af 12W Max
Compliance	ONVIF (S&G), PSIA, CGI, ISAPI	ONVIF (S&G), PSIA, CGI, ISAPI	(S&G), PSIA, CGI, ISAPI	ONVIF (S&G), PSIA, CGI, ISAPI
Certificate	UL/ cUL	UL/ cUL	UL/ cUL	UL/ cUL
Dimensions	3.94"×4.09"×12.28"	Φ6.29"×5"	Φ5.51"×4.80"	3.94"×4.09"×12.28"
Operating Temperature	-30°C ~ 60°C (-22°F ~ 140°F) Humidity 95% or less (non-condensing)	-30°C ~ 60°C (-22°F ~ 140°F) Humidity 95% or less (non-condensing)	-30°C ~ 60°C (-22°F ~ 140°F), Humidity 95% or less (non-condensing)	-30°C ~ 60°C (-22°F ~ 140°F), Humidity 95% or less (non-condensing)

12MP IP Cameras

2MP IP Camera

HNC51C-VBA



HNC51C-ODA



HNC51C-IDA



HNC512-VBA94



Description	12MP Motorized Smart IR Bullet	12MP Motorized Smart IR Dome	12MP Motorized Smart R Dome	2MP Motorized Smart IR Bullet
Image Sensor	1/1.8" Progressive CMOS	1/1.8" Progressive CMOS	1/1.8" Progressive CMOS	1/2.8" Progressive scan CMOS
Min Illumination	0.009 Lux @ F1.4, AGC ON, 0 Lux with IR	0.009 Lux @ F1.2, AGC ON, 0 Lux with IR	0.009 Lux @ F1.2, AGC ON	0.005 Lux @ F1.2, AGC ON,
Lens	2.8 ~ 12mm @ F1.4 Motorized	2.8 ~ 12mm @ F1.4 Motorized	2.8 ~ 12mm @ F1.4 Motorized	4.7 ~ 94mm @ F1.4 Motorized
IR Range	Up to 150 feet	Up to 120 feet	Up to 100 feet	Up to 400 feet
WDR	DWDR, 3D DNR	DWDR, 3D DNR	DWDR, 3D DNR	WDR, 3D DNR
Adjustment Range	Universal Mount	Pan: 0~355°, Tilt: 0~75°, Rotate: 0~355°	P: 0~355°, T: 0~75°, R: 0~355°	Universal Mount
Day & Night	ICR, BLC, HLC, ROI, Defog	ICR, BLC, HLC, ROI, Defog	ICR, BLC, HLC, ROI, Defog	ICR, BLC, HLC, ROI, Defog
Video Compression	H.264/H.264+/MJPEG	H.264/H.264+/MJPEG	H.264/H.264+/MJPEG	H.264 / H.264+ / MJPEG
Max. Image Resolution	12MP CMOS, 4000 × 3000	12MP CMOS, 4000 × 3000	12MP CMOS, 4000 × 3000	2MP CMOS, 1920 x 1080
Frame Rate	20fps (4000 × 3000), 30fps (4096 × 2160)	20fps (4000 × 3000), 30fps (4096 × 2160)	20fps (4000 × 3000), 30fps (4096 × 2160)	60fps (1920 × 1080), 60fps (1280 × 720)
Weather Resistance	Yes	Yes	No	No
Client Software	iVMS (Windows), iVMS (MAC)	iVMS (Windows), iVMS (MAC)	iVMS (Windows), iVMS(MAC)	iVMS (Windows), iVMS(MAC)
Mobile Viewer	iPad/ iPhone/ Android	iPad/ iPhone/ Android	iPad/ iPhone/ Android	iPad/ iPhone/ Android
Triple Stream	Yes	Yes	Yes	Yes
Motion Detection	Yes	Yes	Yes	Yes
Audio Input/Output	1/1	1/1	1/1	1/1
Alarm Input/Output	1/1	1/1	1/1	1/1
On Board Storage	Micro SD slot up to 128GB	Micro SD slot up to 128GB	Micro SD up to 128GB	Micro SD up to 128GB
Ratings	IP67	IP66 /IK10	IK10	IP67
Power/PoE	12VDC, PoE 802.3af 12W Max	DC12V/24VAC, PoE 802.3af 12W Max.	12 VDC ± 10%, PoE (802.3af) 9W Max	12 VDC/±10%, PoE 802.3af 14W Max ONVIF
Compliance	ONVIF (S&G), PSIA, CGI, ISAPI	ONVIF (S&G), PSIA, CGI, ISAPI	ONVIF (S&G), PSIA, CGI, ISAPI	(S&G), PSIA, CGI, ISAPI
Certificate	UL/ cUL	UL/ cUL	UL/ cUL	UL/ cUL
Dimension	3.94"×4.09"×12.28"	Φ6.29"×5"	Φ5.51"×4.80"	3.94"×4.09"×12.28"
Operating Temperature	-30°C ~ 60°C (-22°F ~ 140 °F) Humidity 95% or less (non-condensing)	-30°C ~ 60°C (-22°F ~ 140°F) Humidity 95% or less (non-condensing)	-30°C ~ 60°C (-22°F ~ 140°F), Humidity 95% or less (non-condensing)	-30°C ~ 60°C (-22°F ~ 140°F), Humidity 95% or less (non-condensing)

HHR315-8

HHR315-16

HARA05-8

HARA05-16



Description	8 Ch. Analog/TVI/AHD + Up to 16ch IP	16 Ch. Analog/TVI/AHD + Up to 32 ch IP	8 Ch. Analog/TVI + Up to 18 ch IP	16 Ch. Analog/TVI + Up to 32 ch IP
Video Compression	H.264/H.264+	H.264/H.264+	H.264/H.264+	H.264/H.264+
Audio Compression	Oggvorbis	Oggvorbis	Oggvorbis	Oggvorbis
IP Video Input	Up to 16ch. 128Mbps Bit Rate Input Max	Up to 32ch. 140Mbps Bit Rate Input Max	Up to 18 ch. 160Mbps Bit Rate Input Max	Up to 32 ch. 260Mbps Bit Rate Input Max
Video Output	1 HDMI, 1 VGA, 1 BNC	1 HDMI, 1 VGA, 1 BNC	1 HDMI, 1 VGA, 1 BNC	1 HDMI, 1 VGA, 1 BNC
Built-in PoE	No	No	No	No
Audio Input/Output	4/1	4/1	8/2	16/2
Two-way Audio	1-ch, RCA (2.0 Vp-p, 1 KΩ) (Using audio input)	1-ch, RCA (2.0 Vp-p, 1 KΩ) (Using audio input)	2 Ch. RCA (2.0 Vp-p)	2 Ch. RCA (2.0 Vp-p)
Recording resolution	30fps @ Up to 8 Megapixel	30fps @ Up to 8 Megapixel	30fps @ Up to 6 Megapixel	30fps @ Up to 6 Megapixel
HDMI Output Resolution	Up to 1080P, 60Hz	Up to 1080P, 60Hz	Up to 1080P, 60Hz	Up to 1080P, 60Hz
VGA Output Resolution	Up to 1080P, 60Hz	Up to 1080P, 60Hz	Up to 1080P, 60Hz	Up to 1080P, 60Hz
Built-in RAID	N/A	N/A	RAID 0, 1, 5, 10	RAID 0, 1, 5, 10
Synchronous Playback	8 Ch.	16 Ch.	8 Ch.	16 Ch.
Alarm Input/ Output	8/4	16/4	16/4	16/4
Network Interface	1 RJ45 10M/100M/1000M	1 RJ45 10M/100M/1000M	2, RJ45 10M/ 100M/ 1000M	2, RJ45 10M/ 100M/ 1000M
PoE Network Interfaces	N/A	N/A	N/A	N/A
HDD Interface	2 SATA up to 8TB each	2 SATA up to 8TB each	8 SATA up to 8TB each	8 SATA up to 8TB each
eSATA	N/A	N/A	1 eSATA	1 eSATA
USB interface	1, USB2.0; 1, USB 3.0	1, USB2.0; 1, USB 3.0	3, USB2.0	3, USB2.0
Chassis	380 chassis rack mountable 1U	380 chassis rack mountable 1U	19-inch rack mountable 2U	19-inch rack mountable 2U
Dimensions	12.4 × 9.5 × 1.8 in	12.4 × 9.5 × 1.8 in	17.52"W × 18.5"D × 3.54"H	17.52"W × 18.5"D × 3.54"H
Weight	4.4 lb (without hard disk)	4.4 lb (without hard disk)	17.64 lbs without HDD	17.64 lbs without HDD
Power Supply	12 VDC, 20W	12 VDC, 40W	100~240VAC, 45W	100~240VAC, 65W

Mounting Brackets

Wall		HTH-258ZJ HNC-MD, HNC-TD(A)(C).		HTH-273ZJ-135B HNC-VD(A), HAC-OD4		HTH-273ZJ-130B-TRL HNC-XD, HAC-VD5(4)
		HTH-272ZJ-110B HNC-MD, HNC303-TD(A)(C), HAC-FD(4)		HTH-272ZJ-120B HNC-WDA(C)		HTH-273ZJ-130B HAC-ID3, HNC-IDA
		HTH-272ZJ-110B-TRS HAC-MD		HTH-273ZJ-140B HAC-OD4		HTH-273ZJ-DM25 HNCA-FE(A)
		HTH-271ZJ-110 HNC-MD, HNC-TD(C)(A)		HTH-271ZJ-120 HNC303-WDA(C)		HTH-271ZJ-DM25 HNCA-FE(A)
Ceiling		HTH-271ZJ-135 HNC-VD(A)		HTH-281ZJ-DM25 HNCA-FE(A)		HTH-271ZJ-140 HAC-OD4
		HTH-276ZJ HTH-273ZJ-135B, HTH-272ZJ-110B, HTH-273ZJ-130B-TRL, HTH-272ZJ-120B, HTH-273ZJ-110B-TRS, HTH-273ZJ-140B, HTH-273ZJ-140B, HTH-273ZJ-130B		HTH-275ZJ HTH-273ZJ-135B, HTH-272ZJ-110B, HTH-273ZJ-130B-TRL, HTH-272ZJ-120B, HTH-273ZJ-110B-TRS, HTH-273ZJ-140B, HTH-273ZJ-140B, HTH-273ZJ-130B		HTH-280ZJ-DM21 HNC-VD(A)
Recess		HTH-249ZJ HAC-OD4		HTH-260ZJ HNC-VB, HNC-XB, HNCFB8		HTH-280ZJ-DM18 HNC-MD, HNC-ID
		HTH-227ZJ HNC-VD(A), HAC-ID3		HTH-280ZJ-M (-S) HNC-XD, HAC-VD5(4) HAC-FD(4), HNC-MB, HAC-MD, HAC-MB, HAC-FB(4)		HTH-280ZJ-DM25 HNCA-FE(A)
		HTH-660ZJ PTZ Parapet Wall Mount		HTH-602ZJ-BOX PTZ Wall Mount with electrical box		HTH-661ZJ PTZ Ceiling Pendent Mount 1ft.
PTZ		HTH-602ZJ PTZ Wall Mount		HTH-602ZJ-POLE PTZ Pole Mount		HTH-602ZJ-CORNER PTZ Corner Mount
		HTH-662ZJ PTZ Ceiling Pendent Mount 3ft.				

HNR32P4-4

HNR32P8-8

HNR32P6-16



Description	4 Ch. NVR. 40Mbps Bit Rate	8 Ch. NVR. 80Mbps Bit Rate	16 Ch. NVR. 160Mbps Bit Rate
Video Compression	H.264/H.264+/H.265	H.264/H.264+/H.265/MPEG4	H.264/H.264+/H.265/MPEG4
IP Video Input	4 Ch. IP with Integrated, 40Mbps Bit Rate Input Max	8 Ch. IP with Integrated, 80Mbps Bit Rate Input Max	16 Ch. IP with Integrated, 160Mbps Bit Rate Input Max
Built-in PoE	4 port 802.3af/at PoE Switch (50W)	8 port 802.3af/at PoE Switch (120W)	16 port 802.3af/at PoE Switch (200W)
Video Output	1 HDMI, 1 VGA	1 HDMI, 1 VGA	1 HDMI, 1 VGA
Audio Input/Output	1/1	1/1	1/1
Two-way Audio	1/1	1/1	1/1
Recording Resolution per Ch.	Up to 8 Megapixels	Up to 8 Megapixels	Up to 8 Megapixels
HDMI Output Resolution	Up to 2160P 60Hz	Up to 2160P, 60Hz	Up to 2160P, 60Hz
VGA Output Resolution	Up to 1080P, 60Hz	Up to 1080P, 60Hz	Up to 1080P, 60Hz
RAID	N/A	N/A	N/A
Synchronous Playback	4 Ch.	8 Ch.	16 Ch.
Alarm Input/ Output	N/A	4/1	4/1
Network Interface	1, RJ45 100M	1, RJ45 10M/ 100M/ 1000M	1, RJ45 10M/ 100M/ 1000M
Internal SATA	1 SATA up to 8TB each	2 SATA up to 8TB each	2 SATA up to 8TB each
eSATA	N/A	N/A	N/A
USB interface	2x USB2.0	1x USB2.0 / 1x USB3.0	1x USB2.0 / 1x USB3.0
Chassis	315 chassis 1U	385 chassis rack mountable 1U	385 chassis rack mountable 1U
Dimensions	12.4"W x 9.1"D x 1.8"H	17.5"W x 11.4"D x 1.8"H	15"W x 11.4"D x 1.9"H
Weight	2.2 lbs without HDD	2.2 lbs without HDD	2.2 lbs without HDD
Power Supply	48V DC, 10W	100~240VAC, 15W	100~240VAC, 15W

3MP IP PTZ Cameras

HNP313-IR/30X

HNP313-OD/30X

HNP503A-IR/36X

HNP1A13-IR



Description	3MP IR PTZ IP Camera	3 MP PTZ IP Camera	3MP Smart IR PTZ Auto Tracking IP Camera	3MP IR Mini PTZ IP Camera
Image Sensor	1/2.8" Progressive Scan CMOS	1/2.8" Progressive CMOS	1/3" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS
Min Illumination	Color: 0.05Lux @ F1.6, AGC ON B/W: 0.01Lux @ F1.6, AGC ON 0 Lux with IR	Color: 0.05Lux @ F1.6, AGC ON B/W: 0.001Lux @ F1.6, AGC ON	Color: 0.05Lux @ F1.6, AGC ON B/W: 0.01Lux @ F1.6, AGC ON 0 Lux with IR	Color: 0.05Lux @ F1.6, AGC ON B/W: 0.01Lux @ F1.6, AGC ON 0 Lux with IR
Lens	4.3-129mm, 30x	4.3 ~ 129mm, 30x	4.5-205mm, 36x	4.7-94mm, 20x
IR Range	Up to 450 feet	N/A	Up to 600 feet	Up to 150 feet
Features	BLC / HLC / WDR / Defog / Smart IR	BLC / HLC / WDR / Defog	BLC / HLC / WDR / Defog / Smart IR	BLC / HLC / WDR / Defog / Smart IR
Adjustment Range	Pan:360° endless; Tilt: -20°~90°(Auto Flip)	Pan: 360° endless, Tilt: -15° ~ 90°	Pan:360° endless; Tilt: -20°~90°(Auto Flip)	Pan:360° endless; Tilt: -5°~90°(Auto Flip)
Day & Night, DNR	ICR, 3D DNR	ICR, 3D DNR	ICR, BLC, HLC, Defog	ICR, BLC, HLC, Defog
Video Compression	H.264/ MJPEG	H.264/MJPEG	H.264/ MJPEG	H.264/ MJPEG
Max. Image Resolution	3MP CMOS, 2048 x 1536	3MP CMOS, 2048 x 1536	3MP CMOS, 2048 x 1536	3MP CMOS, 2048 x 1536
Frame Rate	30fps @ 2048 × 1536	30fps @ 2048 × 1536	60fps @ 2048 × 1536	30fps @ 2048 × 1536
Weather Resistance	Yes	Yes	Yes	Yes
Client Software	IVMS (Window), IVMS (MAC)	IVMS (Windows), IVMS (MAC)	IVMS (Window), IVMS (MAC)	IVMS (Window), IVMS (MAC)
Mobile Viewer	iPad/ iPhone/ Android	iPad/ iPhone/ Android	iPad/ iPhone/ Android	iPad/ iPhone/ Android
Dual Stream	Yes (Triple)	Yes (Triple)	Yes (Triple)	Yes (Triple)
Motion Detection	Yes	Yes	Yes	Yes
Audio Input/Output	1 / 1	1/1	1 / 1	1 / 1
Alarm Input/Output	2 / 1	2/1	7 / 2	2 / 2
On Board Storage	Micro SD slot up to 128 GB	Micro SD Slot up to 128 GB	Micro SD slot up to 128 GB	Micro SD slot up to 128 GB
Ratings	IP66	IP66/IK10	IP66, IK10	IP66
Power/PoE	24 VAC Max. 40W/ Hi-PoE	24 VAC Max. 18W/ 802.3at PoE+	24 VAC Max. 60W/ Hi-PoE	12 VDC Max. 23W
Protection	Lightning, Surge & Voltage	Lightning, Surge & Voltage	Lightning, Surge & Voltage	Lightning, Surge & Voltage
Certificate Dimensions	UL	UL/ cUL	UL	UL
Operating Temperature	Φ8.66" × 13.91" -30°C ~ 65°C (-22°F ~ 149°F)	Φ8.66"x12.01" -30 °C ~ 65°C(-22°F ~ 149°F)	Φ10.49"×14.38" -40°C ~ 65°C (-40°F ~ 149°F)	Φ 6.67"×6.34" -30°C ~ 65°C (-22°F ~ 149°F)

HNR31P4-4

HNR31P8-8

HNR31P6-16



Description	4 Ch. NVR. 40Mbps Bit Rate	8 Ch. NVR. 80Mbps Bit Rate	16 Ch. NVR. 160Mbps Bit Rate
Video Compression	H.264	H.264	H.264
IP Video Input	4 Ch. IP with Integrated, 40Mbps Bit Rate Input Max	8 Ch. IP with Integrated, 80Mbps Bit Rate Input Max	16 Ch. IP with Integrated, 160Mbps Bit Rate Input Max
Built-in PoE	4 port 802.3af/at PoE Switch (50W)	8 port 802.3af/at PoE Switch (120W)	16 port 802.3af/at PoE Switch (200W)
Video Output	1 HDMI, 1 VGA	1 HDMI, 1 VGA	1 HDMI, 1 VGA
Audio Input/Output	1/1	1/1	1/1
Two-way Audio	1/1	1/1	1/1
Recording Resolution per Ch.	Up to 6 Megapixels	Up to 6 Megapixels	Up to 6 Megapixels
HDMI Output Resolution	Up to 1080P, 60Hz	Up to 1080P, 60Hz	Up to 1080P, 60Hz
VGA Output Resolution	Up to 1080P, 60Hz	Up to 1080P, 60Hz	Up to 1080P, 60Hz
RAID	N/A	N/A	N/A
Synchronous Playback	4 Ch.	8 Ch.	16 Ch.
Alarm Input/ Output	N/A	N/A	N/A
Network Interface	1, RJ45 10M/ 100M/ 1000M	1, RJ45 10M/ 100M/ 1000M	1, RJ45 10M/ 100M/ 1000M
Internal SATA	1 SATA up to 8TB each	2 SATA up to 8TB each	2 SATA up to 8TB each
eSATA	N/A	N/A	N/A
USB interface	1x USB2.0 / 1x USB3.0	1x USB2.0 / 1x USB3.0	1x USB2.0 / 1x USB3.0
Chassis	380 chassis rack mountable 1U	19" rack mountable 1U	380 chassis rack mountable 1U
Dimensions	12.4"W x 9.1"D x 1.8"H	17.5"W x 11.4"D x 1.8"H	15"W x 11.4"D x 1.9"H
Weight	2.2 lbs without HDD	2.2 lbs without HDD	2.2 lbs without HDD
Power Supply	48V DC, 10W	100~240VAC, 10W	100~240VAC, 10W

2 MP IP PTZ Cameras

HNP502A-IR/36X



HNP302A-IR/30X



HNP312-IR/30X



HNP312-IR



Description	2MP Smart IR PTZ Auto Tracking IP Camera	2MP Smart IR PTZ Auto Tracking IP Camera	2MP IR PTZ IP Camera	2MP IR PTZ IP Camera
Image Sensor	1/1.9" Progressive Scan CMOS	1/2.8" Progressive CMOS	1/2.8" Progressive CMOS	1/2.8" Progressive CMOS
Min Illumination	Color: 0.002Lux @ F1.5, AGC ON B/W: 0.0002Lux @ F1.5, AGC ON 0 Lux with IR	Color: 0.02Lux @ F1.6, AGC ON B/W: 0.002Lux @ F1.6, AGC ON 0 Lux with IR	Color: 0.05Lux @ F1.6, AGC ON B/W: 0.01Lux @ F1.6, AGC ON 0 Lux with IR	Color: 0.05Lux @ F1.6, AGC ON B/W: 0.01Lux @ F1.6, AGC ON 0 Lux with IR
Lens	4.5-205mm, 36x	4.3 ~ 129mm, 30x	4.3 ~ 129mm, 30x	4.7 ~ 94mm, 20x
IR Range	Up to 600 feet	Up to 450 feet	Up to 450 feet	Up to 300 feet
WDR	WDR 120 dB, 3D DNR	DWDR, 3D DNR	DWDR, 3D DNR	DWDR, 3D DNR
Adjustment Range	Pan: 360° endless; Tilt: -20° ~ 90° (Auto Flip)	Pan: 360° endless, Tilt: -15° ~ 90°	Pan: 360° endless, Tilt: -15° ~ 90°	Pan: 360° endless, Tilt: -15° ~ 90°
Day & Night	ICR, BLC, HLC, Defog	ICR, BLC, HLC, Defog	ICR, BLC, HLC, Defog	ICR, BLC, HLC, Defog
Video Compression	H.264/ MJPEG	H.264/MJPEG/MPEG4	H.264/ MPEG4	H.264/ MPEG4
Max. Image Resolution	2MP CMOS, 1920 x 1080	2MP, 1920 x 1080	2MP, 1920 x 1080	2MP, 1920 x 1080
Frame Rate	30fps @ 1920 x 1080	30fps @ 1920 x 1080	30fps @ 1920 x 1080	30fps @ 1920 x 1080
Weather Resistance	Yes	Yes	Yes	Yes
Client Software	IVMS (Window), IVMS (MAC)	IVMS (Windows), IVMS (MAC)	IVMS (Windows), IVMS (MAC)	IVMS (Windows), IVMS (MAC)
Mobile Viewer	iPad/ iPhone/ Android	iPad/ iPhone/ Android	iPad/ iPhone/ Android	iPad/ iPhone/ Android
Dual Stream	Yes (Triple)	Yes (Triple)	Yes	Yes
Motion Detection	Yes	Yes	Yes	Yes
Audio Input/Output	1 / 1	1/1	1/1	1/1
Alarm Input/Output	7 / 2	7/2	2/1	2/1
On Board Storage	Micro SD slot up to 128 GB	Micro SD Slot up to 128 GB	Micro SD Slot up to 128 GB	Micro SD Slot up to 128 GB
Ratings	IP66, IK10	IP66	IP66	IP66
Power/PoE	24 VAC Max. 60W/ Hi-PoE	24 VAC Max. 50W/ Hi-PoE	24 VAC Max. 40W/ Hi-PoE	24 VAC Max. 40W/ Hi-PoE
Protection	Lightning, Surge & Voltage	Lightning, Surge & Voltage	Lightning, Surge & Voltage	Lightning, Surge & Voltage
Certificate	UL	UL/ cUL	UL/ cUL	UL/ cUL
Dimensions Operating	Φ10.49" x 14.38"	Φ9.65" x 15.71"	Φ8.66" x 13.91"	Φ8.66" x 13.91"
Temperature	-40°C ~ 65°C (-40°F ~ 149°F)	-30 °C ~ 65°C (-22°F ~ 149°F) / 90% or less	-30 °C ~ 65°C (-22°F ~ 149°F) / 90% or less	-30 °C ~ 65°C (-22°F ~ 149°F) / 90% or less

HNR51P6-16
HNR510-16*



HNR51P6-32
HNR510-32*



HNRA10-32



HNRA10-64



HNRT00-128/F16
HNRT00-256/F24*



16 Ch. NVR. 160Mbps Bit Rate	32 Ch. NVR. 256Mbps Bit Rate	32 Ch. NVR. 320Mbps Bit Rate	64 Ch. NVR. 320Mbps Bit Rate	128 Ch. NVR. 400Mbps Bit Rate (256/640)*
H.264/H.265	H.264/H.265	H.264/H.265/MPEG4	H.264/H.265/MPEG4	H.264
16 Ch. IP with Integrated, 160Mbps Bit Rate Input Max	32 Ch. IP with Integrated, 256Mbps Bit Rate Input Max	32 Ch. IP with Integrated, 320Mbps Bit Rate Input Max	64 Ch. IP with Integrated, 320Mbps Bit Rate Input Max	128 Ch. IP with Integrated, (256)* 400Mbps Bit Rate Input Max (640)*
16 port 802.3at/at PoE Switch (200W) (N/A)*	16 port 802.3at/at PoE Switch (200W) (N/A)*	N/A	N/A	N/A
1 HDMI, 1 VGA, 1 BNC	1 HDMI, 1 VGA, 1 BNC	2 HDMI, 2 VGA, 1 BNC	2 HDMI, 2 VGA, 1 BNC	2 HDMI, 1 VGA
1/2	1/2	1/2	1/2	1/2
1/1	1/1	1/1	1/1	1/1
Up to 12 Megapixels	Up to 12 Megapixels	Up to 12 Megapixels	Up to 12 Megapixels	Up to 8 Megapixels
Up to 2160P, 60Hz	Up to 2160P, 60Hz	Up to 2160P, 60Hz	Up to 2160P, 60Hz	Up to 1080P, 60Hz
Up to 1080P, 60Hz	Up to 1080P, 60Hz	Up to 1440P, 60Hz	Up to 1440P, 60Hz	Up to 1080P, 60Hz
N/A	N/A	RAID 0, 1, 5, 10	RAID 0, 1, 5, 10	RAID 0, 1, 5, 10
16 Ch.	16 Ch.	16 Ch.	16 Ch.	16 Ch.
16/4	16/4	16/4	16/4	16/8
1, RJ45 10M/ 100M/ 1000M (2 NIC)*	1, RJ45 10M/ 100M/ 1000M (2 NIC)*	2, RJ45 10M/ 100M/ 1000M	2, RJ45 10M/ 100M/ 1000M	4, RJ45 10M/ 100M/ 1000M 4 fiberoptic
4 SATA up to 8TB each	4 SATA up to 8TB each	8 SATA up to 8TB each	8 SATA up to 8TB each	16 SATA up to 8TB each (24)*
1 eSATA	1 eSATA	1 eSATA	1 eSATA	1 eSATA
2x USB2.0 / 1x USB3.0	2x USB2.0 / 1x USB3.0	2x USB2.0 / 1x USB3.0	2x USB2.0 / 1x USB3.0	2, USB2.0: 2, USB3.0 (1xUSB2.0/2xUSB3.0)*
19-inch rack mountable 1.5U	19-inch rack mountable 1.5U	19-inch rack mountable 2U	19-inch rack mountable 2U	19-inch rack mountable 3U
17.5"W x 15.4"D x 2.8"H	17.5"W x 15.4"D x 2.8"H	17.5"W x 18.5"D x 3.54"H	17.5"W x 18.5"D x 3.54"H	17.4"W x 19.4"D x 5.7"H
11 lbs without HDD	11 lbs without HDD	22 lbs without HDD	22 lbs without HDD	34 lbs without HDD (62)*
100~240VAC, 20W	100~240VAC, 20W	100~240VAC, 30W	100~240VAC, 30W	100~240VAC, 100W, Redundency

HNP312-OD



HNP112-IR



HNP112-IR/RE



HNP112-OD



HNP112-OD/RE



2MP PTZ Dome IP Camera	2MP IR PTZ IP Camera	2MP IR PTZ IP Camera, Indoor	2MP PTZ IP Camera	2MP PTZ IP Camera, Indoor
1/2.8" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS	1/2.8" Progressive Scan CMOS
Color: 0.05Lux @ F1.6, AGC ON	Color: 0.05 Lux @ F1.6, AGC ON,	Color: 0.05 Lux @ F1.6, AGC ON,	Color: 0.05 Lux @ F1.6, AGC ON,	Color: 0.05 Lux @ F1.6, AGC ON,
B/W: 0.01Lux @ F1.6, AGC ON	B/W: 0.01Lux @ F1.6, AGC ON	B/W: 0.01Lux @ F1.6, AGC ON	B/W: 0.01Lux @ F1.6, AGC ON	B/W: 0.01Lux @ F1.6, AGC ON
0 lux with IR	0 lux with IR	0 lux with IR	0 lux with IR	0 lux with IR
4.7 ~ 94mm, 20x	4.7 ~ 94mm, 20x	4.7 ~ 94mm, 20x	4.7 ~ 94mm, 20x	4.7 ~ 94mm, 20x
N/A	Up to 300 feet	Up to 300 feet	N/A	N/A
DWDR, 3D DNR	DWDR, 3D DNR	DWDR, 3D DNR	DWDR, 3D DNR	DWDR, 3D DNR
Pan: 360° endless; Tilt: -15° ~ 90°	Pan: 360° endless; Tilt: -10° ~ 90°(Auto Flip)	Pan: 360° endless; Tilt: -10° ~ 90°(Auto Flip)	Pan: 360° endless; Tilt: -2° ~ 90°(Auto Flip)	Pan: 360° endless; Tilt: -2° ~ 90°(Auto Flip)
BLC, HLC, Defog	ICR, BLC, HLC, Defog	ICR, BLC, HLC, Defog	BLC, HLC, Defog	BLC, HLC, Defog
H.264/ MPEG4	H.264/ MPEG4/ H.265	H.264/ MPEG4/ H.265	H.264/ MPEG4/ H.265	H.264/ MPEG4/ H.265
2MP, 1920 × 1080	2MP, 1920 × 1080	2MP, 1920 × 1080	2MP, 1920 × 1080	2MP, 1920 × 1080
30fps @ 1920 × 1080	60Hz: 30fps (1920×1080), 30fps (1280×720)	60Hz: 30fps (1920×1080), 30fps (1280×720)	60Hz: 30fps (1920×1080), 30fps (1280×720)	60Hz: 30fps (1920×1080), 30fps (1280×720)
Yes	Yes	Yes	Yes	Yes
IVMS (Windows), IVMS (MAC)	IVMS (Windows), IVMS (MAC)	IVMS (Windows), IVMS (MAC)	IVMS (Windows), IVMS (MAC)	IVMS (Windows), IVMS (MAC)
iPad/ iPhone/ Android	iPad/ iPhone/ Android	iPad/ iPhone/ Android	iPad/ iPhone/ Android	iPad/ iPhone/ Android
Yes	Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes	Yes
2/1	1/1	1/1	1/1	1/1
N1/1	1/1	1/1	1/1	1/1
Micro SD Slot up to 128 GB	Micro SD Slot up to 128 GB	Micro SD Slot up to 128 GB	Micro SD Slot up to 128 GB	Micro SD Slot up to 128 GB
IP66	IP66	Indoor	IP66, IK08	Indoor, IK08
Max. 18W/ PoE 802.3at PoE+	12VDC & PoE 20W	12VDC & PoE 20W	24VAC & PoE 18W	24VAC & PoE 18W
Lightning, Surge & Voltage	Lightning, Surge & Voltage	Lightning, Surge & Voltage	Lightning, Surge & Voltage	Lightning, Surge & Voltage
UL/ cUL	UL/ cUL	UL/ cUL	UL/ cUL	UL/ cUL
Φ8.66"x13.91"	Φ6.1"x9.5"	Φ6.1"x9.5"	Φ7.06"x9.43"	Φ6.5"x6.61"
-30°C ~ 65°C (-22°F ~ 149°F)	-30°C ~ 65°C (-22°F ~ 149°F)	-10°C ~ 50°C (14°F ~ 129°F)	-30°C ~ 65°C (-22°F ~ 149°F)	-10°C ~ 50°C (14°F ~ 129°F)
Humidity 95% or less (non-condensing)	Humidity 90% or less (non-condensing)	Humidity 90% or less (non-condensing)	Humidity 90% or less (non-condensing)	Humidity 90% or less (non-condensing)



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