



ACCELERATED
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IP CAMERAS

PRODUCT CATALOG



561.427.0600

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www.accelerated-tech.com

6 MP IP Cameras

4 MP IP Cameras

HNC516-VBA



HNC516-ODA



HNC516-IB



HNC304-TD



Description	6MP Motorized IR Bullet, Exterior	6MP Motorized IR Vandal Dome, Exterior	6MP Box	4MP WDR Fixed Mini Dome, Exterior
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 150 feet	Up to 120 feet	N/A	Up to 100 feet
WDR	DWDR	DWDR	DWDR	True WDR, 120 dB
Adjustment Range	Universal Mount	P:355°, T:75°; R:355°	N/A	P:355°, T:75°; R:355°
Day & Night	ICR	ICR	ICR	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	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
Input/Output	1/1	1/1	1/1	N/A
On Board Storage Ratings	Micro SD up to 128GB	Micro SD up to 128GB	Micro SD up to 128GB	Micro SD slot, up to 128GB
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
Smart IP	Yes	Yes	Yes	N/A
Certificate	UL/ cUL	UL/ cUL	UL/ cUL	UL
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) 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)	-10°C ~ 40°C (14°F ~ 104°F) Humidity 95% or less (non-condensing)

3 MP IP Cameras

HNC513-VBA

HNC513-VBA32*



HNC513-ODA

HNC513-ODA32*



HNC503-BX



HNC303-TD



Description	3MP Motorized WDR VF IR Bullet, Exterior	3MP Motorized WDR VF IR Dome, Exterior	3MP WDR Box	3MP Mini Dome, Exterior
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 150 feet, (300 feet)*	Up to 100 feet (150 feet)*	N/A	Up to 100 feet
WDR	True WDR, 120dB	True WDR, 120dB	True WDR, 120dB	DWDR
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, 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+/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 12W Max.	DC12V/ 24VAC, PoE 802.3af 12W Max.	24VAC/12 VDC ± 10%, PoE (802.3af) 7W	12VDC, PoE 802.3af 5W Max.
Smart IP	Yes	Yes	Yes	N/A
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) Humidity 95% or less (non-condensing)	-30°C ~ 60°C (-22°F ~ 140°F) Humidity 95% or less (non-condensing)	-30°C ~ 60°C (-22°F ~ 140°F), Humidity 95% or less (non-condensing)	-30°C ~ 60°C (-22°F ~ 140°F) humidity 90% or less (non-condensing)

HNC304-TDA HNC304-TDC*	HNC304-MB	HNC304-XD	HNC304-XB	HNC304-WDA HNC304-WDC*
				
4MP WDR Fixed Dome, Exterior (WiFi)*	4MP WDR Fixed Mini Bullet, Exterior	4MP WDR EXIR Turret, Exterior	4MP WDR EXIR Bullet, Exterior	4MP WDR Fixed Mini Dome, Exterior (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
True WDR, 120 dB	True WDR, 120 dB	True WDR, 120 dB	True WDR, 120 dB	True WDR, 120 dB
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, 3D DNR	ICR, 3D DNR	ICR, 3D DNR	ICR, 3D DNR	ICR, 3D DNR
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	1/1
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)
N/A	N/A	N/A	N/A	N/A
UL	UL	UL	UL	UL
Φ111x82mm (4.4"×3.2")	60.4x76.9x139.2mm (2.4"x3.0"x5.5")	Φ127x97.5mm (5.0"×3.8")	299.71x86.48x85.11mm (11.8"×3.4"x3.35")	99.3x96.7x52.8mm (3.9"×3.8"x2.1")
-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)

HNC303-TDA HNC303-TDC*	HNC303-MB	HNC303-XD	HNC303-XB	HNC303-WDA HNC303-WDC*
				
3MP Mini Dome, Exterior (WiFi)*	3MP IR Mini Bullet, Exterior	3MP EXIR Turret, Exterior	3MP EXIR Bullet, Exterior	3MP WDR Fixed Mini Dome (Wi-Fi)*, Exterior
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	DWDR	DWDR	DWDR	DWDR
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, 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
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	1/1
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)
N/A	N/A	N/A	N/A	N/A
UL/ cUL	UL/ cUL	UL/ cUL	UL/ cUL	UL
Φ111×82mm (4.4"×3.2")	60.4x76.9x139.2mm (2.4"x3.0"x5.5")	Φ127x97.5mm (5.0"×3.8")	100.5x88.1x157.3mm (3.95"x3.46"x6.19")	99.3x96.7x52.8mm (3.9"×3.8"x2.1")
-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)

HNC304-VDA
HNC304-VDAZ*HNC304-VBA
HNC304-VBAZ*

HNC304-FNA



HNC312-MB



4MP WDR VF Dome, Exterior (Auto Zoom)*	4MP WDR VF Bullet, Exterior (Auto Zoom)*	4MP Fisheye	Description	2MP IR Mini Bullet, Exterior
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	2.8 ~ 12mm @ F1.4	1.6mm	Lens	4mm @ F2.0
Up to 100 feet	Up to 100 feet	N/A	IR Range	Up to 100 feet
True WDR, 120 dB	True WDR, 120 dB	N/A	WDR	DWDR
P:0°~355°, T:0°~75°; R:0°~355°	Universal Mount	Ceiling/ Wall mount	Adjustment Range	Universal Mount
ICR, 3D DNR	ICR, 3D DNR	ICR, 3D DNR	Day & Night	ICR, 3D DNR
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	N/A	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	N/A	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.
N/A	N/A	N/A	Smart IP	N/A
UL	UL	UL	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)

HNC303-VD
HNC303-VDA*

HNC303-VB



HNC303-CU



HNC513-ZBH



3MP VF Vandal Dome, Exterior	3MP VF IR Bullet, Exterior	3MP IR Cube	3MP WDR Motorized IR Bullet, Exterior
1/3" Progressive CMOS	1/3" Progressive CMOS	1/3" Progressive CMOS	1/3" Progressive 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	0.1 Lux @ F1.2, AGC ON, 0 lux with IR
2.8 ~ 12mm @ F1.4	2.8 ~ 12mm @ F1.4	4mm @ F2.0	2.8 ~ 12mm @ F1.4
Up to 100 feet	Up to 100 feet	Up 45 feet	Up to 100 feet
DWDR	DWDR	DWDR	True WDR, 120 dB
P:0°~355°, T:0°~75°; R:0°~355°	Universal Mount	Universal Mount	Universal Mount
ICR, 3D DNR	ICR, 3D DNR	ICR, 3D DNR	ICR, 3D DNR
H.264/ MJPEG	H.264 / MJPEG	H.264/ MJPEG	H.264 / MPEG4/ MJPEG
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 x 1536), 30fps (1920 x 1080)
30fps (1280 × 720)	30fps (1280 × 720)	30fps (1280 × 720)	30fps (1280 x 720)
Yes	Yes	N/A	Yes
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
Yes	Yes	Yes	Yes
Yes	Yes	Yes	Yes
1/1, HNC303-VDA only	N/A	Built-in MIC & Speaker	1/1
1/1, HNC303-VDA only	N/A	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 64GB
IP66, IK10	IP66	N/A	IP66
12VDC, PoE 802.3af 7.5W Max.	12VDC, PoE 802.3af 7.5W Max.	12VDC, PoE 802.3af 5W Max.	12VDC, PoE 802.3af 7.5W Max.
N/A	N/A	N/A	Yes
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"	3.86"x3.49"x12.94"
-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)

HNC312-TD	HNC312-VBA	HNC312-VDA	HNC312-CU	HNC312-RDW
				
2MP Mini Dome, Exterior	2MP VF IR Bullet, Exterior	2MP VF IR Dome, Exterior	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 30 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	N/A	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	N/A	N/A
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)
N/A	N/A	N/A	N/A	N/A
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	HNA01-PHL
				
Description	12MP Fisheye, Exterior	6MP Fisheye, Exterior	3MP WDR Fisheye, Exterior	1.3MP Pinhole
Image Sensor	1/1.7" Progressive scan CMOS	1/1.8" 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	0.05 Lux @ F1.2, AGC ON, 0 Lux with IR	0.1Lux @ F1.2,AGC ON, 0 Lux with IR	0.03 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°
Adjustment Range	N/A	N/A	N/A	N/A
Day & Night	ICR, 3D DNR	ICR, 3D DNR	ICR, 3D DNR	Electronic
Video Compression	H.264 / MJPEG	H.264 / MJPEG	H.264 / MJPEG	H.264 / MPEG4/ MJPEG
Max. Image Resolution	4000 × 3072	3072 × 2048	2048 × 1536	1280 x 960
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 (1280 × 960), 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	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	IP66/ IK10	IP66/ IK10	IP66/ IK10	N/A
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
Smart IP	Yes	Yes	Yes	Yes
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)

HHR301-8



HHR301-16



HARA05-8



HARA05-16



Description	8 Ch. Analog video + Up to 16 ch IP Hybrid DVR	16 Ch. Analog video + Up to 32 ch IP Hybrid DVR	8 Ch. Analog/TVI + Up to 18 ch IP Hybrid DVR	16 Ch. Analog/TVI + Up to 32 ch IP Hybrid DVR
Video Compression	H.264	H.264	H.264	H.264
Audio Compression	Oggvorbis	Oggvorbis	Oggvorbis	Oggvorbis
IP Video Input	Up to 16ch. 40Mbps Bit Rate Input Max	Up to 32ch. 80Mbps 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	1/1	1/1	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 5 Megapixel	30fps @ Up to 5 Megapixel	30fps @ Up to 5 Megapixel	30fps @ Up to 5 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	N/A	N/A	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 Interfaces	2 SATA Interfaces	8 SATA interfaces	8 SATA interfaces
eSATA	N/A	N/A	1 eSATA	1 eSATA
USB interface	2, USB2.0	2, USB2.0	3, USB2.0	3, USB2.0
Chassis	19-inch rack mountable 1U	19-inch rack mountable 1U	19-inch rack mountable 2U	19-inch rack mountable 2U
Dimensions	17.5 × 11.4 × 1.8 in	17.5 × 11.4 × 1.8 in	17.52"W × 18.5"D × 3.54"H	17.52"W × 18.5"D × 3.54"H
Weight	6.4 lb (without hard disk)	6.4 lb (without hard disk)	17.64 lbs without HDD	17.64 lbs without HDD
Power Supply	12 VDC, 10W	12 VDC, 10W	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 HNC303-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)
Corner		HTH-249ZJ HAC-OD4		HTH-260ZJ HNC-VB, HNC-XB, HNCFB8		HTH-280ZJ-DM18 HNC-MD, HNC-ID
		HTH-227ZJ HNC-VD(A)		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)
Recess		HTH-660ZJ PTZ Parapet Wall Mount		HTH-602ZJ-BOX PTZ Wall Mount with electrical box		HTH-661ZJ PTZ Ceiling Pendent Mount 1ft.
		HTH-602ZJ PTZ Wall Mount		HTH-602ZJ-POLE PTZ Pole Mount		HTH-602ZJ-CORNER PTZ Corner Mount
PTZ		HTH-662ZJ PTZ Ceiling Pendent Mount 3ft.				

HNR31P4-4

HNR31P8-8

HNR31P8-16

HNR31P6-16



Description	4 Ch. NVR. 40Mbps Bit Rate	8 Ch. NVR. 80Mbps Bit Rate	16 Ch. NVR. 160Mbps Bit Rate	16 Ch. NVR. 160Mbps Bit Rate
Video Compression	H.264	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	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)	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	1 HDMI, 1 VGA
Audio Input/Output	1/1	1/1	1/1	1/1
Two-way Audio	1/1	1/1	1/1	1/1
Recording Resolution per Ch.	Up to 6 Megapixels	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	Up to 1080P, 60Hz
VGA Output Resolution	Up to 1080P, 60Hz	Up to 1080P, 60Hz	Up to 1080P, 60Hz	Up to 1080P, 60Hz
RAID	N/A	N/A	N/A	N/A
Synchronous Playback	4 Ch.	8 Ch.	16 Ch.	16 Ch.
Alarm Input/ Output	N/A	N/A	N/A	N/A
Network Interface	1, RJ45 10M/ 100M/ 1000M	1, RJ45 10M/ 100M/ 1000M	1, RJ45 10M/ 100M/ 1000M	1, RJ45 10M/ 100M/ 1000M
Internal SATA	1 SATA up to 6TB each	2 SATA up to 6TB each	2 SATA up to 6TB each	2 SATA up to 6TB each
eSATA	N/A	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	1x USB2.0 / 1x USB3.0
Chassis	1U chassis	19-inch rack mountable 1U	1U chassis	1U chassis
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	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	2.2 lbs without HDD
Power Supply	48V DC, 10W	100~240VAC, 10W	100~240VAC, 10W	100~240VAC, 15W

3 MP & 2 MP IP PTZ Cameras

HNP503A-IR/36X



HNP302A-IR/30X



HNP302-IR/30X



HNP302-IR



Description	3MP IR PTZ Auto Tracking IP Camera	2 MP IR PTZ Auto Tracking IP Camera	2 MP IR PTZ IP Camera	2 MP IR PTZ IP Camera
Image Sensor	1/3" Progressive Scan CMOS	1/2.8" Progressive CMOS	1/2.8" Progressive CMOS	1/2.8" Progressive CMOS
Min Illumination	Color: 0.05Lux @ F1.6, AGC ON B/W: 0.01Lux @ F1.6, AGC ON 0 Lux with IR	Color: 0.02Lux @ F1.6, AGC ON B/W: 0.002Lux @ F1.6, AGC ON 0 Lux with IR	Color: 0.05Lux @ 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	4.5-162mm, 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 300 feet	Up to 300 feet
WDR	True WDR, 120 dB	BLC/ DWDR	BLC/ DWDR	BLC/ DWDR
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, DNR	ICR, 3D DNR	ICR, 3D DNR	ICR, 3D DNR	ICR, 3D DNR
Video Compression	H.264/ MJPEG	H.264/MJPEG/MPEG4	H.264/ MPEG4	H.264/ MPEG4
Max. Image Resolution	3MP CMOS, 2048 x 1536	2MP, 1920 x 1080	2MP, 1920 x 1080	2MP, 1920 x 1080
Frame Rate	60fps @ 2048 x 1536	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/ 802.3at PoE+	24 VAC Max. 50W/ 802.3at PoE+	24 VAC Max. 40W/ 802.3at PoE+	24 VAC Max. 40W/ 802.3at PoE+
Smart IP	Yes	Yes	N/A	N/A
Certificate Dimensions	UL	UL/ cUL	UL/ cUL	UL/ cUL
Operating Temperature	Φ266.6x365.2mm (Φ10.49"×14.38") -40°C ~ 65°C (-40°F ~ 149°F)	Φ9.65"×15.71" -30 °C ~ 65°C(-22°F ~ 149°F) / 90% or less	Φ8.66"×13.91" -30 °C ~ 65°C(-22°F ~ 149°F) / 90% or less	Φ8.66"×13.91" -30 °C ~ 65°C(-22°F ~ 149°F) / 90% or less

HNR51P6-16

HNR51P6-32

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)*
16 port 802.3at/at PoE Switch (200W)	16 port 802.3at/at PoE Switch (200W)	N/A	N/A	400Mbps Bit Rate Input Max (640)*
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	1, RJ45 10M/ 100M/ 1000M	2, RJ45 10M/ 100M/ 1000M	2, RJ45 10M/ 100M/ 1000M	4, RJ45 10M/ 100M/ 1000M 4 fiberoptic
4 SATA up to 6TB each	4 SATA up to 6TB each	8 SATA up to 6TB each	8 SATA up to 6TB each	16 SATA up to 6TB 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

HNP302-OD

HNP112-IR

HNP112-IR/RE

HNP112-OD

HNP112-OD/RE



2 MP PTZ Dome IP Camera	2 MP IR PTZ IP Camera	2 MP IR PTZ IP Camera, Indoor	2 MP PTZ IP Camera	2 MP 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
BLC/ DWDR	BLC/ DWDR	BLC/ DWDR	BLC/ DWDR	BLC/ DWDR
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)
ICR, 3D DNR	ICR, 3D DNR	ICR, 3D DNR	ICR, 3D DNR	ICR, 3D DNR
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	IP66	IP66	IP66
Max. 18W/ PoE 802.3at PoE+	12VDC	12VDC	12VDC	12VDC
No	No	No	No	No
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"	Φ7.06"x9.43"
-30 °C ~ 65°C (-22°F ~ 149°F) / 90% or less	-30°C ~ 65°C (-22°F ~ 149°F) Humidity 95% or less (non-condensing)	-30°C ~ 65°C (-22°F ~ 149°F) Humidity 95% or less (non-condensing)	-30°C ~ 65°C (-22°F ~ 149°F) Humidity 95% or less (non-condensing)	-30°C ~ 65°C (-22°F ~ 149°F) Humidity 95% or less (non-condensing)

12 MP IP Cameras

HNC51C-VBA



HNC51C-ODA



HNC51C-IDA



Description	12MP Motorized Smart IR Bullet	12MP Motorized Smart IR Dome	12MP Motorized Smart IR Dome
Image Sensor	1/1.7" Progressive CMOS	1/1.7" Progressive CMOS	1/1.7" 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	0.01Lux @F1.2, AGC ON.
Lens	2.8 ~ 12 mm @ F1.4	2.8 ~ 12 mm @ F1.4	2.8 ~ 12mm @ F1.4
IR Range	Up to 150 feet	Up to 120 feet	Up to 100 feet
WDR	DWDR	DWDR	DWDR
Adjustment Range	Universal Mount	P:0~355°, T:0~75°; R:0~355°	P:0~355°, T:0~75°; R:0~355°
Day & Night	ICR	ICR	ICR
Video Compression	H.264/MJPEG	H.264/MJPEG	H.264/MJPEG
Max. Image Resolution	12MP CMOS, 4000 × 3000	12MP CMOS, 4000 × 3000	12MP CMOS, 4000 × 3000
Frame Rate	15fps (4000 × 3000), 22fps (4096 × 2160)	15fps (4000 × 3000), 22fps (4096 × 2160)	15fps (4000×3000), 22fps (4096×2160)
Weather Resistance	Yes	Yes	No
Client Software	iVMS (Windows), iVMS (MAC)	iVMS (Windows), iVMS (MAC)	iVMS (Windows), iVMS(MAC)
Mobile Viewer	iPad/ iPhone/ Android	iPad/ iPhone/ Android	iPad/ iPhone/ Android
Triple Stream	Yes	Yes	Yes
Motion Detection	Yes	Yes	Yes
Audio Input/Output	1/1	1/1	1/1
Alarm Input/Output	1/1	1/1	1/1
On Board Storage	Micro SD up to 128GB	Micro SD up to 128GB	Micro SD up to 128GB
Ratings	IP67	IP66/ IK10	IK10
Power/PoE	12VDC/ PoE 802.3at 18W Max.	12VDC/ 24VAC/ PoE 802.3at 17W Max.	12 VDC/±10%, PoE 802.3af 10W Max
Smart IP	Yes	Yes	Yes
Certificate	UL/ cUL	UL/ cUL	UL/ cUL
Dimensions	8.13"×4.1"×3.94"	Φ6.29"×5"	Φ5.51"×4.80"
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)

8 MP IP Cameras

HNC518-VBA



HNC518-ODA

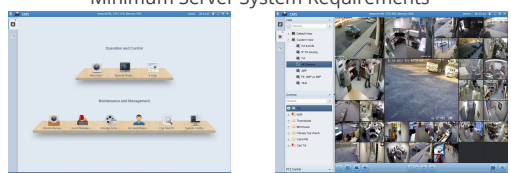


HNC518-IDA



Description	8MP Motorized Smart IR Bullet, Exterior	8MP Motorized Smart IR Dome, Exterior	8MP Motorized Smart IR Dome
Image Sensor	1/1.7" Progressive CMOS	1/1.7" Progressive CMOS	1/1.7" Progressive CMOS
Min Illumination	0.01 Lux @ F1.4, AGC ON, 0 Lux with IR	0.01 Lux @ F1.2, AGC ON, 0 Lux with IR	0.01 Lux @ F1.2, AGC ON
Lens	2.8 ~ 12mm @ F1.4	2.8 ~ 12mm @ F1.4	2.8 ~ 12mm @ F1.4
IR Range	Up to 150 feet	Up to 120 feet	Up to 100 feet
WDR	DWDR	DWDR	DWDR
Adjustment Range	Universal Mount	Pan: 0~355°, Tilt: 0~75°, Rotate: 0~355°	P: 0~355°, T: 0~75°; R: 0~355°
Day & Night	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
Max. Image Resolution	8MP CMOS, 4096 × 2160	8MP CMOS, 4096 × 2160	8MP CMOS, 4096 × 2160
Frame Rate	22fps (4096 × 2160), 24fps (3840 × 2160) 30fps (1920 × 1080)	22ps (4096 × 2160), 24fps (3840 × 2160) 30fps (1920 × 1080)	22ps (4096 × 2160), 24fps (3840 × 2160) 30fps (1920 × 1080)
Weather Resistance	Yes	Yes	No
Client Software	iVMS (Windows), iVMS (MAC)	iVMS (Windows), iVMS (MAC)	iVMS (Windows), iVMS(MAC)
Mobile Viewer	iPad/ iPhone/ Android	iPad/ iPhone/ Android	iPad/ iPhone/ Android
Triple Stream	Yes	Yes	Yes
Motion Detection	Yes	Yes	Yes
Audio Input/Output	1/1	1/1	1/1
Alarm Input/Output	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
Ratings	IP67	IP66 /IK10	IK10
Power/PoE	12VDC, PoE 802.3at 12W Max	DC12V/24VAC, PoE 802.3at 12W Max.	12 VDC ± 10%, PoE (802.3af) 9W Max
Smart IP	Yes	Yes	Yes
Certificate	UL/ cUL	UL/ cUL	UL/ cUL
Dimension	3.94"×4.09"×12.28"	Φ6.29"×5"	Φ5.51"×4.80"
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)

Client Software (Windows and Mac Compatible) *No Licensing Fee!*

LIVE VIEW	Support up to 4 output screens, and up to 64 cameras in live view screens	Minimum Server System Requirements  Intel Pentium IV 3.0 and above, Microsoft Windows XP/2003/2008/Win 7 (32-bit) 2 GB RAM, 100 Mbps Ethernet card, 1024 x 768 pixels or higher display resolution, ATI 5000/nVidia GTX260, 512 MB video card
ENCODING DEVICE	Up to 256 encoded devices	
DECODING DEVICE	Up to 64 decoding devices	
IMPORTED CAMERA	Up to 1024 imported cameras	
CAMERA GROUP	Up to 256 camera groups, and maximum 64 cameras in one group	
STORAGE SERVER	Up to 16 storage servers, each server's recording performance is 64*2 Mbps	
STREAM MEDIA SERVER	Up to 16 stream media server, each server is with incoming connections of 64*2 Mbps and outgoing connections of 200*2 Mbps	
PLAYBACK	Up to 16 channels playback	
DOWNLOAD	Up to 16 simultaneous download tasks	
USER	Up to 51 users per PC	
SYSTEM LOG	Unlimited	
MAP	Supports PNG, BMP, and JPEG images. Nested maps supported.	
PTZ	Control, presets, patrols, pattern supported	
DEVICE SEARCH	Supports Search Activated Device Protocol (SADP)	
DEVICE CONFIGURATION	Supports remote programming and configuration of any connected device. Features Add Device Wizard.	

Mobile Client Applications for SmartPhones and Tablets

Mobile client software can be used to monitor the live video remotely from embedded hybrid DVR, NVR, DVR recorders, IP camera, IP speed dome or DVS/encoder via wireless network.		
NUMBER OF DEVICES	256 device addresses	Compatible Devices  Apple iOS (iPhone/iPad)* Android (1.6 or higher)** BlackBerry Bold (Not Shown) Windows Mobile (Not Shown) *iPhone/iPad app must be acquired from the iTunes App Store. **Android app can be obtained at the Android Market. *Windows Phone 8 app must be acquired from the Windows Store.
LIVE VIEW	Up to 16 cameras	
REMOTE PLAYBACK	Up to 4 cameras	
CONFIGURABLE IMAGE QUALITY	Clear, balanced, fluent, and customized	
FRAME RATE	Up to 30 fps (dependant on network)	
RESOLUTION	Up to 1080p	
STREAM TYPE	Video and audio	
PTZ CONTROL	Pan, tilt, zoom	
SNAPSHOT	Snapshot and video recording in Live View	

Standard Software is included in the compatible product packages only. No-fee policy applies to license, channel, software support agreement, and technical support access of Standard Software only.

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