

	XNP-6320H	XNO-6120R	SNP-6321H	PNM-9081VQ
VIDEO				
Imaging Sensor Size	1/2.8"	1/2.8"	1/2.8"	1/1.8"
Megapixel Sensor	Yes	Yes	Yes	Yes
Sensor size in Megapixel	2M	2M	2M	6M
Min. Illumination (Color)	0.05Lux (F1.6)	0.03 Lux (F1.6, 1/30sec)	0.3 Lux (1/30sec, F1.6, 50IRE)	0.09 lux (F1.2, 1/30sec)
Min. Illumination (B/W)	0.005Lux (F1.6)	0Lux (IR LED on)	0.03 Lux (1/30sec, F1.6, 50IRE)	0.009 lux (F1.2, 1/30sec)
Analog Video Output (For Installation)	Yes	No	Yes	No
LENS				
Lens Type	DC Auto Iris	DC Auto Iris	DC Auto Iris	DC Auto Iris,P-Iris
Focus Type	Autofocus Zoom Lens	Motorized Varifocal Lens	Autofocus Zoom Lens	Motorized Varifocal Lens
Focus Control	Manual Focus,Auto Focus	Manual Focus,Auto Focus	Simple Focus,Manual Focus,Auto Focus	Simple Focus,Manual Focus
Focal Length	4.44 ~ 142.6mm	5.2~62.4mm	4.44 ~ 142.6mm	3.6~9.4mm
Zoom Ratio	32x	12x	32x	2.6x
Max. Aperture Ratio	F1.6(Wide) / F4.4(Tele)	F1.6(Wide) ~ F3.0(Tele)	F1.6(Wide) / F4.4(Tele)	F1.2
Angular Field of View	H : 61.8° (Wide) ~ 23.0° (Tele) V : 36.2° (Wide) ~ 11.3° (Tele)	H : 54.58° ~ 5.30° / V : 32.19° ~ 3.00° / D : 61.40° ~ 6.06°	H : 62.8°(Wide) ~ 2.23°(Tele) / V : 36.80°(Wide) ~ 1.26°(Tele)	H : 102.5° ~ 38.7° V : 74.2° ~ 29.0° D : 135.5° ~ 48.6°
Min. Object Distance	Wide : 1.5m (4.92ft), Tele : 2m (6.56ft)	1.5m (4.92ft)	Wide 1.5m ,Tele 1.9m	0.5m (1.64ft)
PAN / TILT / ROTATE				
Pan Range	360° Endless	No	360° Endless	±15°
Pan Speed (Preset)	700°/sec	No	700°/sec	No
Pan Speed (Manual)	0.024°/sec ~ 200°/sec	No	0.024°/sec ~ 120°/sec	No
				10° ~ 41°, 10° ~ 90°

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Tilt Range	210° (-15° ~ 195°)	No	210° (-15° ~ 195°)	(CH2/Center)
Tilt Speed (Preset)	700°/sec	No	700°/sec	No
Tilt Speed (Manual)	0.024°/sec ~ 200°/sec	No	0.024°/sec ~ 120°/sec	No
Number of Presets	300	No	255	No
OPERATIONAL				
Digital Zoom Ratio	32x	24x	16x	24x
Day/Night	Software	IR Cut Filter	IR Cut Filter	Software
WDR	Yes	Yes	Yes	Yes
Built-in IR LED	No	Yes	No	No
Tampering Detection	Yes	Yes	Yes	Yes
Face Detection	Yes	Yes	Yes	Yes
Audio Detection	Yes	Yes	Yes	No
Local Storage(SD memory slot)	Yes	Yes	Yes	Yes
Defog	Yes	Yes	Yes	Yes
Alarm Input	4	1	4	1
Alarm Output	2	1	2	1
RS-485 Support	Yes	No	Yes	Yes
NETWORK				
Max. Resolution	2MP	2MP	2MP	20MP (5M x 4ea)
Video Compression	H.264,M-JPEG,H.265	H.264,M-JPEG,H.265	H.264,M-JPEG	H.264,M-JPEG,H.265
WiseStream	Yes	Yes	No	Yes
Max. Streaming	10 Profiles	10 Profiles	10 profiles	10 Profiles

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Capability				
Crop Encoding	No	No	No	No
Bi-directional Audio	Bi-directional (2-way)	Yes	Yes	No
Audio Compression	G.711 u-law /G.726 Selectable, G.726 (ADPCM) 8KHz, G.711 8KHz G.726 : 16Kbps, 24Kbps, 32Kbps, 40Kbps, AAC-LC : 48Kbps at 16KHz	G.711 u-law/G.726 Selectable, G.726 (ADPCM) 8KHz, G.711 8KHz G.726 : 16Kbps, 24Kbps, 32Kbps, 40Kbps, AAC-LC : 48Kbps at 16KHz	G.711 u-law /G.726 Selectable / G.726 (ADPCM) 8KHz, G.711 8KHz / G.726 : 16Kbps, 24Kbps, 32Kbps, 40Kbps	No
Max. User Access	10	20	10	20
HTTPS(SSL) Authentication	Yes	Yes	Yes	Yes
Digest Authentication	Yes	Yes	Yes	Yes
IP Address Filtering	Yes	Yes	Yes	Yes
IEEE 802.1x Authentication	Yes	Yes	Yes	Yes
User Access Log	Yes	Yes	Yes	Yes
ONVIF Conformance	Yes	Yes	Yes	Yes
IPv6 Support	Yes	Yes	Yes	Yes
SmartViewer4.0 Compatible	Yes	Yes	Yes	Yes
ENVIRONMENTAL				
Operating Temperature	24V AC : -50°C ~ +55°C (-58°F ~ +131°F) PoE+ : -35°C ~ +55°C (-31°F ~ +131°F)	-40°C ~ +55°C (-40°F ~ +131°F)	24V AC: -50°C ~ +55°C (-58°F ~ +131°F) / PoE+ : -30°C ~ +55°C (-22°F ~ +131°F)	-40°C ~ +55°C (-40°F ~ +131°F)
Operating Humidity	Less than 90% RH	Less than 90% RH	Less than 90% RH	Less than 90% RH
IP Rating	IP66	IP67, IP66, NEMA 4X	IP66	IP66

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ELECTRICAL				
Power Supply	POE+,24V AC	POE,12V DC,24V AC	POE+,24V AC	HPoE,12V DC
Power over Ethernet	PoE+ (IEEE802.3at, Class4)	PoE (IEEE802.3af, Class3)	PoE+(IEEE802.3at Class3)	HPoE (Injector included)
Power Consumption	Max. 24W (Heater off), Max. 65W (Heater on, 24V AC)	14.5W (24V AC), 12.5W (12V DC), 12.95W (PoE)	24W, AC : 65W(Heater on)	28.8W (12V DC), 33.6W (HPoE)
MECHANICAL				
Outdoor Use	IP66	IP66,NEMA 4X,IP67	IP66	IP66
IK10	Yes	Yes	Yes	Yes