

# XNV-6081R / XNV-8081R

2MP/5MP Network IR Dome Camera

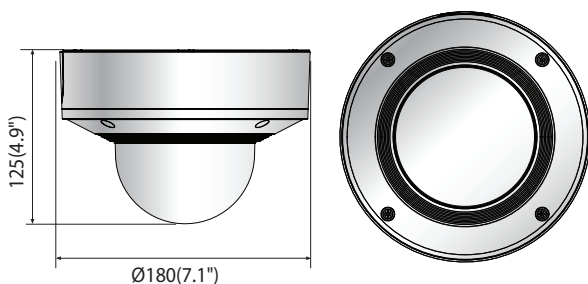


## Key Features

- Max. 2Megapixel & 5Megapixel resolution
- 0.015Lux@F1.4 (Color), 0Lux (B/W, IR LED on) (XNV-6081R)  
0.07Lux@F1.4 (Color), 0Lux (B/W, IR LED on) (XNV-8081R)
- Day & Night (ICR), WDR (150dB / 120dB)
- Hallway View, WiseStreamII Support
- Video & audio analytics, Audio playback
- DIS and shock detection with built-in gyro sensor
- Modular structure, PoE, 12VDC, 24VAC (Optional)
- IP66/IP67, IK10+, NEMA4X

## Dimensions

Unit : mm (inch)



## Accessories (Optional)



SBP-187HMW /  
SBP-187HM



SBC-180B



SPC-100AC

**XNV-6081R**
**XNV-8081R**
**VIDEO**

Imaging Device	1/2.8" 2MP CMOS	1/1.8" 6MP CMOS
Effective Pixels	1945(H) x 1097(V)	2616(H) x 1976(V)
Min. Illumination	Color : 0.015Lux (F1.4, 1/30sec) BW : 0Lux (IR LED on)	Color : 0.07Lux (F1.2, 1/30sec) BW : 0Lux (IR LED on)
Video Out	CVBS : 1.0Vp-p / 75Ω composite, 720 x 480(N), 720 x 576(P) for installation USB : Micro USB Type B, 1280 x 720 for installation	

**LENS**

Focal Length (Zoom Ratio)	2.8~12mm (4.3x) motorized varifocal	3.9~9.4mm (2.4x) motorized varifocal
Max. Aperture Ratio	F1.4(Wide) ~ F3.6(Tele)	F1.3
Angular Field of View	H : 119.5°(Wide)~27.9°(Tele) / V : 62.8°(Wide)~15.7°(Tele) / D : 142.1°(Wide)~32.0°(Tele)	H : 92.1°(Wide)~38.7°(Tele) / V : 67.2°(Wide)~29.0°(Tele) / D : 119.9°(Wide)~48.6°(Tele)
Min. Object Distance	0.5m (1.64ft)	
Focus Control	Simple focus	
Lens Type	DC auto iris, P iris	

**PAN / TILT / ROTATE**

Pan / Tilt / Rotate Range	0°~360° / -45°~85° / 0°~355°
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**OPERATIONAL**

IR Viewable Length	50m (164.04ft)	
Camera Title	Displayed up to 85 characters	
Day & Night	Auto (ICR)	
Backlight Compensation	BLC, HLC, WDR, SDR	
Wide Dynamic Range	150dB	120dB
Digital Noise Reduction	SSNR V	
Digital Image Stabilization	Support (built-in gyro sensor)	
Defog	Support	
Motion Detection	8ea, 8point polygonal zones	
Privacy Masking	32ea, polygonal zones - Color : Grey / Green / Red / Blue / Black / White - Mosaic	
Gain Control	Low / Middle / High	
White Balance	ATW / AWC / Manual / Indoor / Outdoor	
LDC	Support	
Electronic Shutter Speed	Minimum / Maximum / Anti flicker (2~1/12,000sec)	
Digital PTZ	Support (Preset, Group)	
Video Rotation	Flip, Mirror, Hallway view (90°/270°)	
Analytics	Defocus detection, Directional detection, Fog detection, Face detection, Motion detection, Digital auto tracking, Appear/Disappear, Enter/Exit, Loitering, Tampering, Virtual line, Audio detection, Sound classification, Shock detection	
Business Intelligence	People counting, Queue management, Heatmap	
Alarm I / O	Input 1ea / Output 1ea	
Alarm Triggers	Analytics, Network disconnect, Alarm input	
Alarm Events	File upload via FTP and e-mail Notification via e-mail SD/SDHC/SDXC or NAS recording at event triggers Alarm output Handover Audio playback	
Audio In	Selectable (mic in/line in), Supply voltage : 2.5VDC (4mA), Input impedance : 2K Ohm	
Audio Out	Line out, Max. output level : 1Vrms	

**NETWORK**

Ethernet	RJ-45 (10/100BASE-T)
Video Compression	H.265/H.264 : Main / Baseline / High, MJPEG

	XNV-6081R	XNV-8081R
Resolution	1920 x 1080, 1280 x 1024, 1280 x 960, 1280 x 720, 1024 x 768, 800 x 600, 800 x 448, 720 x 576, 720 x 480, 640 x 480, 640 x 360, 320 x 240	2560 x 1920, 2560 x 1440, 1920 x 1080, 1600 x 1200, 1280 x 1024, 1280 x 960, 1280 x 720, 1024 x 768, 800 x 600, 800 x 448, 720 x 576, 720 x 480, 640 x 480, 640 x 360, 320 x 240
Max. Framerate	H.265/H.264 : Max. 60fps / 50fps (60Hz/50Hz) MJPEG : Max. 30fps / 25fps (60Hz/50Hz)	H.265/H.264 : Max. 30fps / 25fps (60Hz/50Hz) MJPEG : Max. 30fps / 25fps (60Hz/50Hz)
Smart Codec	Manual (Sea area), WiseStream II	
Video Quality Adjustment	H.264/H.265 : Target bitrate level control MJPEG : Target bitrate level control	
Bitrate Control	H.264/H.265 : CBR or VBR MJPEG : VBR	
Streaming	Unicast (20 users) / Multicast Multiple streaming (Up to 10 profiles)	
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	
Protocol	IPv4, IPv6, TCP/IP, UDP/IP, RTP(UDP), RTP(TCP), RTCP,RTSP, NTP, HTTP, HTTPS, SSL/TLS, DHCP, FTP, SMTP, ICMP, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS, PIM-SM, UPnP, Bonjour, LLDP	
Security	HTTPS (SSL) login authentication Digest login authentication IP address filtering User access log 802.1X authentication (EAP-TLS, EAP-LEAP)	
Edge Storage	Micro SD/SDHC/SDXC 2slot 512GB	
Application Programming Interface	ONVIF Profile S/G SUNAPI (HTTP API) Wisenet open platform	
Webpage Language	English, Korean, Chinese, French, Italian, Spanish, German, Japanese, Russian, Swedish, Portuguese, Czech, Polish, Turkish, Dutch, Hungarian, Greek	
Web Viewer	Supported OS : Windows 7, 8.1, 10, Mac OS X 10.10, 10.11, 10.12 Recommended Browser : Google Chrome Supported Browser : MS Explorer11, MS Edge, Mozilla Firefox(Windows 64bit only), Apple Safari (Mac OS X only)	
Memory	1024MB RAM, 256MB Flash	
<b>ENVIRONMENTAL</b>		
Operating Temperature / Humidity	-50°C ~ +60°C (-58°F ~ +140°F) / Less than 90% RH * Start up should be done at above -35°C	
Storage Temperature / Humidity	-50°C ~ +60°C (-58°F ~ +140°F) / Less than 90% RH	
Certification	IP66/IP67, IK10+, NEMA4X	
<b>ELECTRICAL</b>		
Input Voltage	PoE (IEEE802.3af, Class3), 24VAC (Optional), 12VDC	
Power Consumption	PoE : Max 12.95W, typical 10.3W 12VDC : Max 10.8W, typical 8.4W 24VAC : Max 13.3W, typical 10.4W	PoE : Max 12.95W, typical 10.9W 12VDC : Max 11.7W, typical 8.9W 24VAC : Max 14.9W, typical 11.3W
<b>MECHANICAL</b>		
Color / Material	White / Aluminum	
RAL Code	RAL9003	
Product dimensions / weight	Ø180x125mm(7.09x4.92"), 1.75Kg(3.86 lb)	
Conduit hole	3/4"	
Hanging mount (Dome)	SBP-187HMW, SBP-187HM	
Skin cover (Dome)	SBC-180B	
Power module	SPC-100AC	

\* The latest product information / specification can be found at [hanwha-security.com](http://hanwha-security.com)

\* Design and specifications are subject to change without notice.

\* Wisenet is the proprietary brand of **Hanwha Techwin**.