

XNV-6081R / XNV-8081R

2MP/5MP Network IR Dome Camera

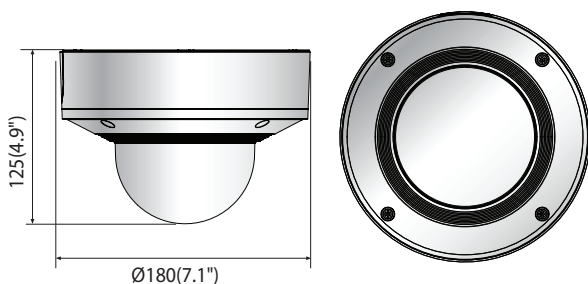


Key Features

- 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 : 1.0 Vp-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° |
|---------------------------|------------------------------|

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, SRTP | |
| 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/T 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 Explorer 11, MS Edge, Mozilla Firefox (Windows 64bit only), Apple Safari (Mac OS X only) | |
| Memory | 1024MB RAM, 256MB Flash | |
| ENVIRONMENTAL | | |
| 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 | |
| ELECTRICAL | | |
| 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 |
| MECHANICAL | | |
| 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

* Design and specifications are subject to change without notice.

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