

# XNV-6081R / XNV-8081R

2 MP/5 MP Network IR Dome Camera

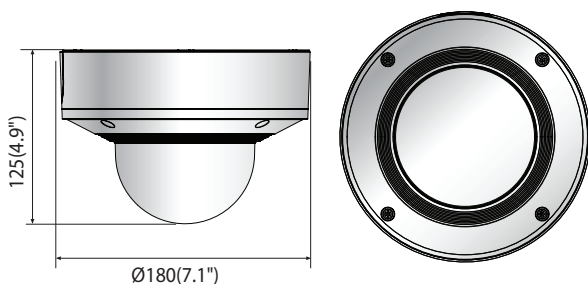


## Key Features

- 2 Megapixel & 5 Megapixel 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)



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

|                      |   |  |
|----------------------|---|--|
| Imaging Device       | 1/2.8" 2 MP CMOS  | 1/1.8" 6 MP CMOS   |
| Effective Pixels     | 1945(H) x 1097(V)   | 2616(H) x 1976(V)  |
| Minimum Illumination | Color : 0.015Lux (F1.4, 1/30sec)<br>BW : 0Lux (IR LED on)   | Color : 0.07Lux (F1.2, 1/30sec)<br>BW : 0Lux (IR LED on) |
| Video Out            | CVBS : 1.0 Vp-p / 75Ω composite, 720 x 480(N), 720 x 576(P) for installation<br>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   |
| Maximum Aperture Ratio    | F1.4(Wide) ~ F3.6(Tele)   | F1.3   |
| Angular Field of View     | H : 119.5°(Wide)~27.9°(Tele) /<br>V : 62.8°(Wide)~15.7°(Tele) /<br>D : 142.1°(Wide)~32.0°(Tele) | H : 92.1°(Wide)~38.7°(Tele) /<br>V : 67.2°(Wide)~29.0°(Tele) /<br>D : 119.9°(Wide)~48.6°(Tele) |
| Minimum 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, 8-point polygonal zones   |       |
| Privacy Masking             | 32ea, polygonal zones<br>- Color : Grey / Green / Red / Blue / Black / White<br>- 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, Fog detection, Face detection, Motion detection, Digital auto tracking, Appear/Disappear, Enter/Exit, Loitering, Tampering, Virtual line/ Directional detection, 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<br>Notification via e-mail<br>SD/SDHC/SDXC or NAS recording at event triggers<br>Alarm output<br>Handover<br>Audio playback   |       |
| Audio In                    | Selectable (mic in/line in),<br>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 |

|  | <b>XNV-6081R</b>  | <b>XNV-8081R</b>   |
|--|---|--|
| <b>Resolution</b>                        | 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 |
| <b>Maximum Framerate</b>                 | H.265/H.264 : Max. 60fps / 50fps (60Hz/50Hz)<br>MJPEG : Max. 30fps / 25fps (60Hz/50Hz)  | H.265/H.264 : Max. 30fps / 25fps (60Hz/50Hz)<br>MJPEG : Max. 30fps / 25fps (60Hz/50Hz)   |
| <b>Smart Codec</b>                       | Manual (Sea area), WiseStream II  |  |
| <b>Video Quality Adjustment</b>          | H.264/H.265 : Target bitrate level control<br>MJPEG : Target bitrate level control  |  |
| <b>Bitrate Control</b>                   | H.264/H.265 : CBR or VBR<br>MJPEG : VBR   |  |
| <b>Streaming</b>                         | Unicast (20 users) / Multicast<br>Multiple streaming (Up to 10 profiles)  |  |
| <b>Audio Compression</b>                 | G.711 u-law / G.726 Selectable<br>G.726 (ADPCM) 8KHz, G.711 8KHz<br>G.726 : 16Kbps, 24Kbps, 32Kbps, 40Kbps<br>AAC-LC : 48Kbps at 16KHz  |  |
| <b>Protocol</b>                          | 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                              |  |
| <b>Security</b>                          | HTTPS (SSL) login authentication<br>Digest login authentication<br>IP address filtering<br>User access log<br>802.1X authentication (EAP-TLS, EAP-LEAP)   |  |
| <b>Edge Storage</b>                      | Micro SD/SDHC/SDXC 2 slots 512GB  |  |
| <b>Application Programming Interface</b> | ONVIF Profile S/G<br>SUNAPI (HTTP API)<br>Wisenet open platform   |  |
| <b>Webpage Language</b>                  | English, Korean, Chinese, French, Italian, Spanish, German, Japanese, Russian, Swedish, Portuguese, Czech, Polish, Turkish, Dutch, Hungarian, Greek   |  |
| <b>Web Viewer</b>                        | Supported OS : Windows 7, 8.1, 10, Mac OS X 10.10, 10.11, 10.12<br>Recommended Browser : Google Chrome<br>Supported Browser : MS Explorer11, MS Edge, Mozilla Firefox(Windows 64bit only), Apple Safari (Mac OS X only) |  |
| <b>Memory</b>                            | 1024MB RAM, 256MB Flash   |  |
| <b>ENVIRONMENTAL</b>                     |   |  |
| <b>Operating Temperature / Humidity</b>  | -50°C ~ +60°C (-58°F ~ +140°F) / Less than 90% RH<br>* Start up should be done at above -35°C   |  |
| <b>Storage Temperature / Humidity</b>    | -50°C ~ +60°C (-58°F ~ +140°F) / Less than 90% RH   |  |
| <b>Certification</b>                     | IP66/IP67, IK10+, NEMA4X  |  |
| <b>ELECTRICAL</b>                        |   |  |
| <b>Input Voltage</b>                     | PoE (IEEE802.3af, Class3), 24VAC (Optional), 12VDC  |  |
| <b>Power Consumption</b>                 | PoE : Max 12.95W, typical 10.3W<br>12VDC : Max 10.8W, typical 8.4W<br>24VAC : Max 13.3W, typical 10.4W  | PoE : Max 12.95W, typical 10.9W<br>12VDC : Max 11.7W, typical 8.9W<br>24VAC : Max 14.9W, typical 11.3W   |
| <b>MECHANICAL</b>                        |   |  |
| <b>Color / Material</b>                  | White / Aluminum  |  |
| <b>RAL Code</b>                          | RAL9003   |  |
| <b>Product dimensions / weight</b>       | Ø180x125mm(7.09x4.92"), 1.75Kg(3.86 lb)   |  |
| <b>Conduit hole</b>                      | 3/4"  |  |
| <b>Hanging mount (Dome)</b>              | SBP-187HMW (White), SBP-187HM (Ivory)   |  |
| <b>Skin cover (Dome) / Weather Cap</b>   | Ivory skin cover included; Optional: SBC-180B (Black) / Included Weather Cap (White)  |  |
| <b>Gangplate mounting</b>                | Single, Double, 4" Octagon, Square  |  |
| <b>Power module</b>                      | SPC-100AC   |  |

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

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

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