

# XNV-8082R

6MP Network IR Vandal Dome Camera



## Key Features

- 6MP resolution
- 2.8~8.4mm(3x) motorized varifocal
- 0.05Lux@F1.2 (Color), 0Lux (B/W, IR LED on)
- Max.30fps@6MP (H.265/H.264)
- IR viewable length 40m
- Day & Night (ICR), extreme WDR
- DIS with built-in Gyro sensor
- Video Analytics(Defocus, Directional detection, Audio detection, Shock detection, Face/Upper body detection)
- Dual SD slots (Max. 512GB)
- Modular structure, PoE support
- IP66/IP67/IP6K9K, IK10+, NEMA4X

## Accessories (Optional)



SBP-187HMW



SBC-180B



SPB-VAN85W



SBP-300WMW1



SBP-300CMW



SBP-300PMW



SBP-300KMW



SBP-300LMW



SBP-300NBW



SBP-300BW

**Video**

|                   |                                                                                                                                                                          |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Imaging Device    | 1/2.8"CMOS                                                                                                                                                               |
| Resolution        | 3328x1872, 3072x1728, 2592x1944, 2688x1520, 1920x1080, 1600x1200, 1280x1024, 1280x960, 1280x720, 1024x768, 800x600, 800x448, 720x576, 720x480, 640x480, 640x360, 320x240 |
| Max. Framerate    | H.265/H.264: Max. 30fps/25fps(60Hz/50Hz)<br>MJPEG: Max. 15fps/12fps(60Hz/50Hz)                                                                                           |
| Min. Illumination | Color: 0.05Lux(F1.2, 1/30sec)<br>B/W: 0Lux(IR LED On)                                                                                                                    |
| Video Out         | CVBS: 1.0 Vp-p / 75Ω composite, 720x480(N), 720x576(P) for installation<br>USB: Micro USB Type B, 1280x720 for installation                                              |

**Lens**

|                           |                                                                                      |
|---------------------------|--------------------------------------------------------------------------------------|
| Focal Length (Zoom Ratio) | 2.8~8.4mm(3x) motorized varifocal                                                    |
| Max. Aperture Ratio       | F1.2(Wide)~F2.8(Tele)                                                                |
| Angular Field of View     | H: 114°(Wide)~40.2°(Tele) / V: 62.0°(Wide)~22.5°(Tele) / D: 133.0°(Wide)~46.3°(Tele) |
| Min. Object Distance      | 0.7m (2.23ft)                                                                        |
| 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**

|                             |                                                                                                                                                                                                                                        |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Camera Title                | Displayed up to 85 characters                                                                                                                                                                                                          |
| Day & Night                 | Auto(ICR)                                                                                                                                                                                                                              |
| Backlight Compensation      | BLC, HLC, WDR, SSSDR                                                                                                                                                                                                                   |
| Wide Dynamic Range          | extremeWDR                                                                                                                                                                                                                             |
| 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<br>- Color : Gray, Green, Red, Blue, Black, White<br>- Mosaic                                                                                                                                                    |
| Gain Control                | Support                                                                                                                                                                                                                                |
| White Balance               | ATW / Narrow ATW / AWC / Manual / Indoor / Outdoor                                                                                                                                                                                     |
| LDC                         | Support                                                                                                                                                                                                                                |
| Electronic Shutter Speed    | Minimum / Maximum / Anti flicker (1/5~1/12,000sec)                                                                                                                                                                                     |
| Video Rotation              | Flip, Mirror, Hallway view(90°/270°)                                                                                                                                                                                                   |
| Analytics                   | Defocus detection, Directional detection, Motion detection, Digital auto tracking, Appear/Disappear, Enter/Exit, Loitering, Tampering, Virtual line, Audio detection, Sound classification, Shock detection, Face/upper body detection |
| Business Intelligence       | People counting, Queue management, Heatmap                                                                                                                                                                                             |
| Alarm I/O                   | 2 configurable I/O ports                                                                                                                                                                                                               |
| 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>PTZ Preset<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                                                                                                                                                                              |
| IR Viewable Length                    | 40m(131.23ft)                                                                                                                                                                                                  |
| <b>Network</b>                        |                                                                                                                                                                                                                |
| Ethernet                              | RJ-45(10/100/1000BASE-T)                                                                                                                                                                                       |
| Video Compression                     | H.265/H.264: Main/High, MJPEG                                                                                                                                                                                  |
| Audio Compression                     | 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                                                                             |
| Smart Codec                           | Manual(5ea area), WiseStreamII                                                                                                                                                                                 |
| Bitrate Control                       | H.264/H.265: CBR or VBR<br>MJPEG: VBR                                                                                                                                                                          |
| Streaming                             | Unicast(20 users) / Multicast<br>Multiple streaming(Up to 10 profiles)                                                                                                                                         |
| 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, UPnP, Bonjour, LLDP, SRTP (TCP, UDP Unicast)     |
| Security                              | HTTPS(SSL) Login Authentication<br>Digest Login Authentication<br>IP Address Filtering<br>User access log<br>802.1X Authentication(EAP-TLS, EAP-LEAP)<br>Device Certificate(Hanwha Techwin Root CA)            |
| Application Programming Interface     | ONVIF Profile S/G/T<br>SUNAPI(HTTP API)<br>Wisenet open platform                                                                                                                                               |
| <b>General</b>                        |                                                                                                                                                                                                                |
| Webpage Language                      | English, Korean, Chinese, French, Italian, Spanish, German, Japanese, Russian, Swedish,, Portuguese, Czech, Polish, Turkish, Dutch, Hungarian, Greek                                                           |
| Web Viewer                            | Supported OS: Windows 8.1 or later, Mac OS X 10.13 or later<br>Recommended Browser: Google Chrome<br>Supported Browser: MS Explore11, MS Edge, Mozilla Firefox(Window 64bit only), Apple Safari(Mac OS X only) |
| Edge Storage                          | Micro SD/SDHC/SDXC 2slot 512GB(256Gx2)                                                                                                                                                                         |
| Memory                                | 4GB RAM, 512MB Flash                                                                                                                                                                                           |
| <b>Environmental &amp; Electrical</b> |                                                                                                                                                                                                                |
| Operating Temperature / Humidity      | -50°C~+60°C(-58°F ~ +140°F) / Less than 95% RH(non condensing)<br>* Start up should be done at above -30°C                                                                                                     |
| Storage Temperature / Humidity        | -50°C ~ +60°C(-58°F ~ +140°F) / Less than 90% RH                                                                                                                                                               |
| Certification                         | IP66/IP67/IP6K9K, IK10+, NEMA4X                                                                                                                                                                                |
| Input Voltage                         | PoE(IEEE802.3af), 12VDC, 24VAC(Accessory)                                                                                                                                                                      |

|                   |                                                                                                        |
|-------------------|--------------------------------------------------------------------------------------------------------|
| Power Consumption | PoE : Max 12.95W, typical 10.7W<br>12VDC : Max 11.5W, typical 9.0W<br>24VAC : Max 13.5W, typical 11.0W |
|-------------------|--------------------------------------------------------------------------------------------------------|

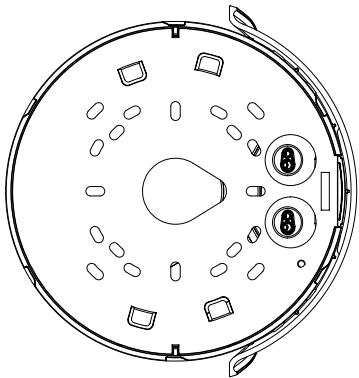
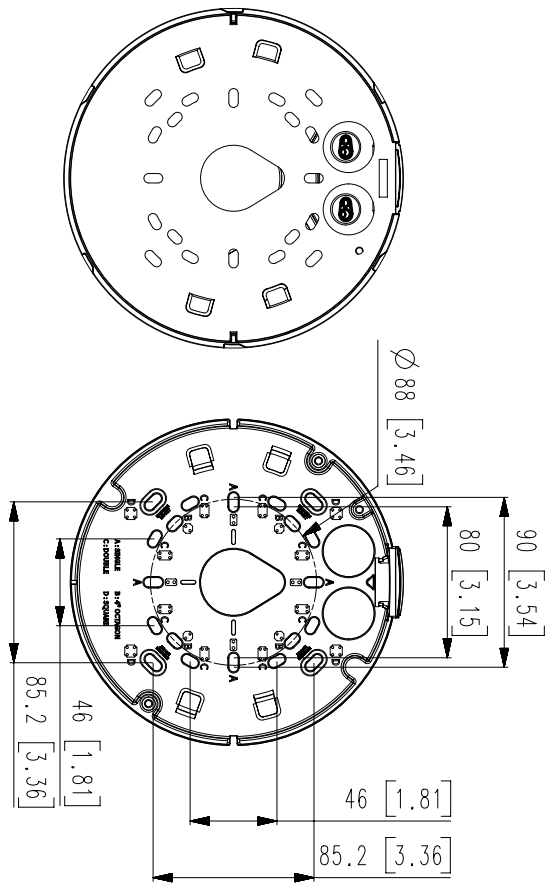
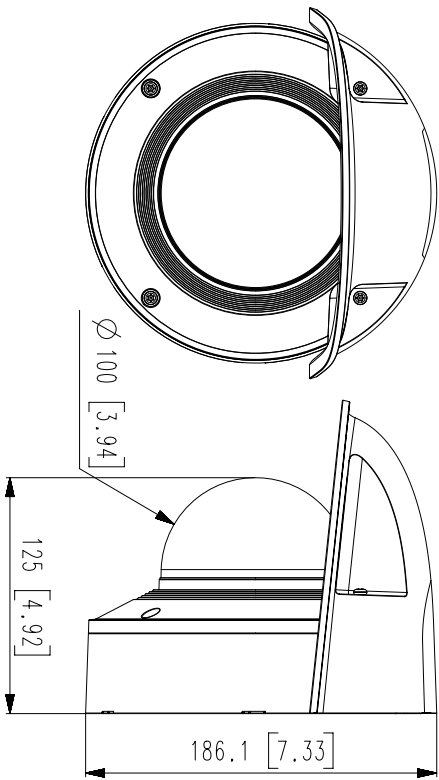
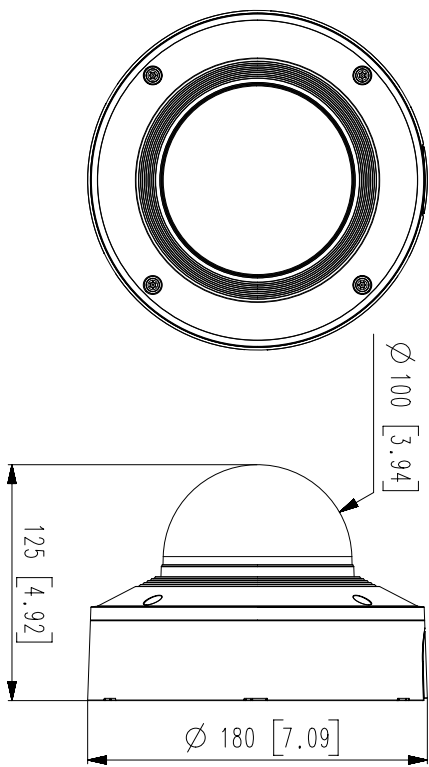
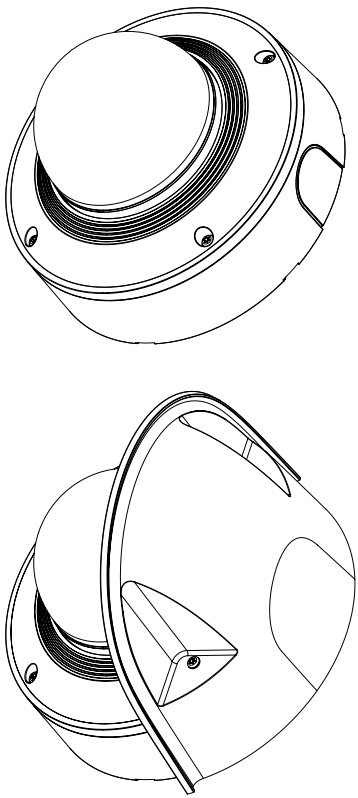
**Mechanical**

|                             |                                        |
|-----------------------------|----------------------------------------|
| Color / Material            | White / Aluminum                       |
| RAL Code                    | RAL9003                                |
| Product dimensions / weight | Ø180x125mm(7.09x4.92"), 1.9kg(4.19 lb) |

**DORI (EN62676-4 standard)**

|                           |                                                |
|---------------------------|------------------------------------------------|
| Detect (25PPM/ 8PPF)      | Wide: 49.9m(163.71ft) / Tele: 209.9m(688.65ft) |
| Observe (63PPM/ 19PPF)    | Wide: 19.9m(65.29ft) / Tele: 83.9m(275.26ft)   |
| Recognize (125PPM/ 38PPF) | Wide: 10.0m(32.80ft) / Tele: 42.0m(137.80ft)   |
| Identify (250PPM/ 76PPF)  | Wide: 5.0m(16.40ft) / Tele: 21.0m(68.90ft)     |

- 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**, formerly known as Samsung Techwin.



|     |            |          |
|-----|------------|----------|
| No. | MODEL NAME | DATE     |
| 1   | XNV-6081Z  | 19.09.27 |
| 2   | XNV-8081Z  | 19.09.27 |
| 3   | XNV-6081   | 19.09.27 |
| 4   | XNV-6081R  | 19.09.27 |
| 5   | XNV-8081R  | 19.09.27 |
| 6   | PNV-A9081R | 19.09.27 |
| 7   | XNV-6081RE | 19.12.18 |
| 8   | XNV-8081RE | 19.12.18 |
| 9   | XNV-8082R  | 19.12.18 |
| 10  | XNV-9082R  | 19.12.18 |
| 11  |            |          |
| 12  |            |          |
| 13  |            |          |