

# XNO-9082R

4K Network IR Bullet Camera



## Key Features

- 4K resolution
- 2.8~8.4mm(3x) motorized varifocal
- 0.05Lux@F1.2 (Color), 0Lux (B/W, IR LED on)
- Max.30fps@4K (H.265/H.264)
- IR viewable length 40m
- Day & Night (ICR), extreme WDR (120dB)
- DIS with built-in Gyro sensor
- Video Analytics(Defocus, Directional detection, Audio detection, Shock detection, Face/Upper body detection)
- Dual SD slots (Max. 1TB)
- PoE support
- IP66/IP67, IK10, NEMA4X
- Certified by UL CAP

## Compatible Accessories (Optional)



SBP-302PM

| Video                       |                                                                                                                                                                                                                                                       |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Imaging Device              | 1/2.8"CMOS                                                                                                                                                                                                                                            |
| Resolution                  | 3840x2160, 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                                                                                                                                                                                                                                  |
| Operational                 |                                                                                                                                                                                                                                                       |
| Camera Title                | Displayed up to 85 characters                                                                                                                                                                                                                         |
| Day & Night                 | Auto(ICR)                                                                                                                                                                                                                                             |
| Backlight Compensation      | BLC, HLC, WDR, SSDR                                                                                                                                                                                                                                   |
| Wide Dynamic Range          | extremeWDR(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<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, Fog detection, 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                              | Metal shielded 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), WiseStream II                                                                                                                                                                                                                           |
| 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)<br>CyberSecurity assurance program UL CAP (UL 2900-1) |
| 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                                                                                                      |
| Edge Storage                          | Micro SD/SDHC/SDXC 2slot 1TB(512GBx2)                                                                                                                                                                                                                     |
| 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, IK10, NEMA4X                                                                                                             |
| Input Voltage     | PoE(IEEE802.3af), 12VDC, 24VAC                                                                                                      |
| Power Consumption | PoE : Max 12.95W, typical 10.5W<br>12VDC : Max 12.5W, typical 9.4W<br>24VAC : Max 14.5W, typical 11.2W<br>Power redundancy failover |

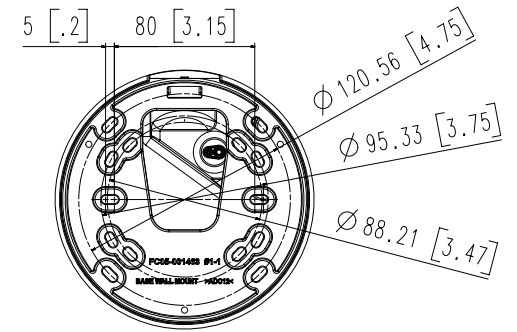
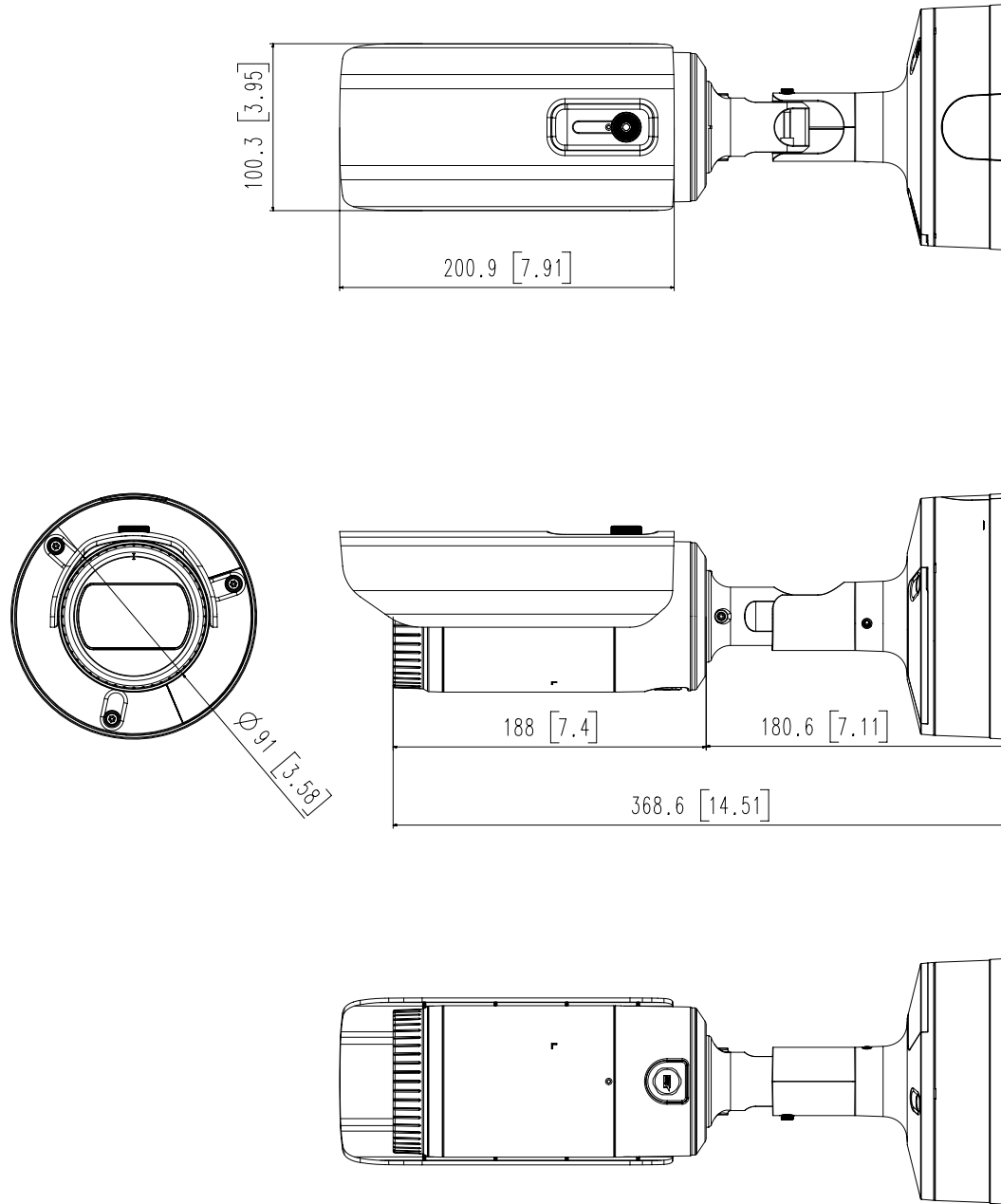
## Mechanical

|                             |                                            |
|-----------------------------|--------------------------------------------|
| Color / Material            | Dark grey / Aluminum                       |
| Product Dimensions / Weight | Ø91x368.6mm(Ø3.85"x14.51"), 2.2kg(4.85 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.



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|-------------------------|-------------------|----------------|
| 2                       | XNO-9082R/8082R   | '20.05.21      |
| 1                       | PNO-A9081R/A8081R | '19.10.14      |
| No.                     | MODEL NAME        | DATE           |
| Unit:mm[inch] SCALE:1/1 |                   | Hanwha Techwin |

-1/R-071130-