

# XNO-8080R

5M Network IR Bullet Camera

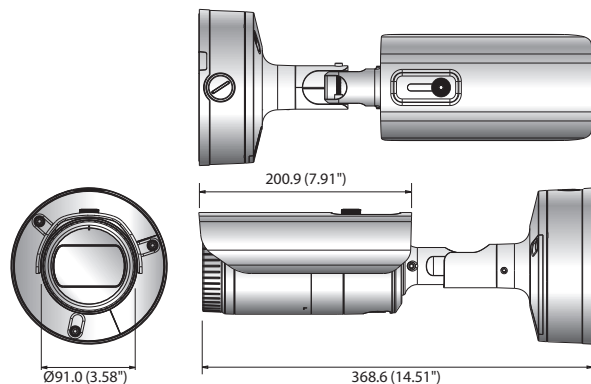


## Key Features

- Max. 5megapixel (2560 x 1920) resolution
- 3.7 ~ 9.4mm (2.5x) motorized varifocal lens
- Max. 30fps@all resolutions (H.265/H.264)
- H.265, H.264, MJPEG codec supported, Multiple streaming
- Day & Night (ICR), WDR (120dB), Defog
- Loitering, Directional detection, Fog detection, Audio detection, Digital auto tracking, Sound classification, Tampering
- Motion detection, Handover
- SD/SDHC/SDXC memory slot (Max. 512GB)
- Hallway view, WiseStream II support
- IR viewable length 50m, IP67/IP66, NEMA 4X, IK10
- LDC support (Lens Distortion Correction)
- PoE / 24V AC, 12V DC, Bi-directional audio support

## Dimensions

Unit : mm (inch)



## Accessories (Optional)



SBP-302PM

## XNO-8080R

| VIDEO                                  |                                                                                                                                                                                                                                                                                                                   |
|----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Imaging Device                         | 1/1.8" 6M CMOS                                                                                                                                                                                                                                                                                                    |
| Total Pixels                           | 3,096(H) x 2,094(V)                                                                                                                                                                                                                                                                                               |
| Effective Pixels                       | 2,616(H) x 1,976(V)                                                                                                                                                                                                                                                                                               |
| Scanning System                        | Progressive Scan                                                                                                                                                                                                                                                                                                  |
| Min. Illumination                      | Color : 0.07Lux (F1.2, 1/30sec), B/W : 0Lux (IR LED on)                                                                                                                                                                                                                                                           |
| S / N Ratio                            | 50dB                                                                                                                                                                                                                                                                                                              |
| Video Out                              | CVBS : 1.0 Vpp / 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)              | 3.7 ~ 9.4mm (2.5x) motorized varifocal                                                                                                                                                                                                                                                                            |
| Max. Aperture Ratio                    | F1.2                                                                                                                                                                                                                                                                                                              |
| Angular Field of View                  | H : 100.2° ~ 38.7° / V : 72.7° ~ 29.0° / D : 132.0° ~ 48.6°                                                                                                                                                                                                                                                       |
| Min. Object Distance                   | 0.5m (1.64ft)                                                                                                                                                                                                                                                                                                     |
| Focus Control                          | Simple focus (Motorized V/F) / Manual, Remote control via network (Manual, Simple focus)                                                                                                                                                                                                                          |
| Lens / Mount Type                      | DC auto iris, P-Iris / Board-in type                                                                                                                                                                                                                                                                              |
| OPERATIONAL                            |                                                                                                                                                                                                                                                                                                                   |
| IR Viewable Length                     | 50m (164.04ft)                                                                                                                                                                                                                                                                                                    |
| Camera Title                           | Off / On (Displayed up to 85 characters)<br>- W/W : English / Numeric / Special characters<br>- China : English / Numeric / Special / Chinese characters<br>- Common : Multi-line (Max. 5), Color (Grey / Green / Red / Blue / Black / White), Transparency, Auto scale by resolution                             |
| Day & Night                            | Auto (ICR) / Color / B/W / External / Schedule                                                                                                                                                                                                                                                                    |
| Backlight Compensation                 | Off / BLC / HLC (Masking / Dimming), WDR                                                                                                                                                                                                                                                                          |
| Wide Dynamic Range                     | 120dB                                                                                                                                                                                                                                                                                                             |
| Contrast Enhancement                   | SSDR (Off / On)                                                                                                                                                                                                                                                                                                   |
| Digital Noise Reduction                | SSNRV (2D+3D noise filter) (Off / On)                                                                                                                                                                                                                                                                             |
| Digital Image Stabilization            | Off / On                                                                                                                                                                                                                                                                                                          |
| Defog                                  | Off / Auto (Input from fog detection) / Manual                                                                                                                                                                                                                                                                    |
| Motion Detection                       | Off / On (Bea, 8point polygonal zones), Handover                                                                                                                                                                                                                                                                  |
| Privacy Masking                        | Off / On (32ea, Polygonal) - Color : Grey / Green / Red / Blue / Black / White, Mosaic                                                                                                                                                                                                                            |
| Gain Control                           | Off / Low / Middle / High / Manual                                                                                                                                                                                                                                                                                |
| White Balance                          | ATW / AWC / Manual / Indoor / Outdoor (Included mercury & Sodium)                                                                                                                                                                                                                                                 |
| Contrast                               | Level adjustment                                                                                                                                                                                                                                                                                                  |
| LDC (Lens Distortion Correction)       | Off / On (5 levels with min / max)                                                                                                                                                                                                                                                                                |
| Electronic Shutter Speed               | Minimum / Maximum / Anti flicker (2 ~ 1/12,000sec)                                                                                                                                                                                                                                                                |
| Digital PTZ                            | 24x, Digital PTZ (Preset, Group)                                                                                                                                                                                                                                                                                  |
| Flip / Mirror                          | Off / On, Hallway view : 90°/270°                                                                                                                                                                                                                                                                                 |
| Video & Audio Analytics                | Tampering, Loitering, Directional detection, Defocus detection, Fog detection, Virtual line, Enter / Exit, (Dis)Appear, Audio detection, Face detection, Motion detection, Digital auto tracking, Sound classification                                                                                            |
| Alarm I/O                              | Input 1ea / Output 1ea                                                                                                                                                                                                                                                                                            |
| Alarm Triggers                         | Alarm input, Motion detection, Video & Audio analytics, Network disconnect                                                                                                                                                                                                                                        |
| Alarm Events                           | File upload via FTP, E-mail, Notification via E-mail, Local storage (SD/SDHC/SDXC) or NAS recording at event triggers, External output, DPTZ preset                                                                                                                                                               |
| Pixel Counter                          | Support                                                                                                                                                                                                                                                                                                           |
| NETWORK                                |                                                                                                                                                                                                                                                                                                                   |
| Ethernet                               | RJ-45 (10/100BASE-T)                                                                                                                                                                                                                                                                                              |
| Video Compression Format               | H.265 / H.264 (MPEG-4 part 10/AVC) : Main / Baseline / High, MJPEG                                                                                                                                                                                                                                                |
| Resolution                             | 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. Frame rate                        | H.265 / H.264 : Max. 30fps at all resolutions, MJPEG : Max. 30fps                                                                                                                                                                                                                                                 |
| Smart Codec                            | Manual mode (Area-based : Sea)                                                                                                                                                                                                                                                                                    |
| WiseStream II                          | Support                                                                                                                                                                                                                                                                                                           |
| Video Quality Adjustment               | H.265 / H.264 : Target bitrate level control, MJPEG : Target bitrate level control                                                                                                                                                                                                                                |
| Bitrate Control Method                 | H.265 / H.264 : CBR or VBR, MJPEG : VBR                                                                                                                                                                                                                                                                           |
| Streaming Capability                   | Multiple streaming (Up to 10 profiles)                                                                                                                                                                                                                                                                            |
| Audio In                               | Selectable (Mic in / Line in), Supply voltage : 2.5V DC (4mA), Input impedance : approx. 2K Ohm                                                                                                                                                                                                                   |
| Audio Out                              | Line out, Max output level : 1Vrms                                                                                                                                                                                                                                                                                |
| Audio Compression Format               | G.711 u-law/G.726 selectable, G.726 (ADPCM) 8KHz, G.711 8KHz<br>G.726 : 16Kbps, 24Kbps, 32Kbps, 40Kbps, AAC-LC : 48Kbps at 8/16/32/48KHz                                                                                                                                                                          |
| Audio Communication                    | Bi-directional (2-way)                                                                                                                                                                                                                                                                                            |
| IP                                     | IPv4, IPv6                                                                                                                                                                                                                                                                                                        |
| Protocol                               | TCP/IP, UDP/IP, RTP(UDP), RTP(TCP), RTSP, RTP, NTP, HTTP, HTTPS, SSL/TLS, DHCP, PPPoE, FTP, SMTP, ICMP, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS, PIM-SM, UPnP, Bonjour                                                                                                                                    |
| Security                               | HTTPS(SSL) login authentication, Digest login authentication<br>IP address filtering, User access log, 802.1X authentication (EAP-TLS, EAP-LEAP)                                                                                                                                                                  |
| Streaming Method                       | Unicast / Multicast                                                                                                                                                                                                                                                                                               |
| Max. User Access                       | 20 users at unicast mode                                                                                                                                                                                                                                                                                          |
| Edge Storage                           | SD/SDHC/SDXC 2slot (Up to 512GB) - Continuous recording (1st slot to 2nd slot)<br>NAS (Network Attached Storage), Local PC for instant recording                                                                                                                                                                  |
| 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<br>Non-plugin Webviewer<br>- Supported Browser : Google Chrome 54, MS Edge 38, Mozilla Firefox 49( Window 64bit only), Apple Safari 9 * Mac OS X only<br>Plug-in Webviewer<br>- Supported Browser : MS Explore 11, Apple Safari 9 * Mac OS X only |
| Central Management Software            | SmartViewer, SSM                                                                                                                                                                                                                                                                                                  |
| ENVIRONMENTAL                          |                                                                                                                                                                                                                                                                                                                   |
| Operating Temperature / Humidity       | -40°C ~ +55°C (-40°F ~ +131°F) / Less than 90% RH                                                                                                                                                                                                                                                                 |
| Storage Temperature / Humidity         | -50°C ~ +60°C (-58°F ~ +140°F) / Less than 90% RH                                                                                                                                                                                                                                                                 |
| Ingress Protection / Vandal Resistance | IP67, IP66, NEMA 4X / IK10                                                                                                                                                                                                                                                                                        |
| ELECTRICAL                             |                                                                                                                                                                                                                                                                                                                   |
| Input Voltage / Current                | 24V AC ±10%, 12V DC ±10%, PoE (IEEE802.3af)                                                                                                                                                                                                                                                                       |
| Power Consumption                      | Max. 12.5W (12VDC), Max. 12.95W (PoE), Max. 14.5W (24VAC)                                                                                                                                                                                                                                                         |
| MECHANICAL                             |                                                                                                                                                                                                                                                                                                                   |
| Color / Material                       | Dark gray / Aluminum                                                                                                                                                                                                                                                                                              |
| Dimensions (WxH)                       | Ø91.0 x 368.6mm (Ø3.58" x 14.51") (Without sunshield)                                                                                                                                                                                                                                                             |
| Weight                                 | 2.18Kg (4.81lb)                                                                                                                                                                                                                                                                                                   |

\* 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.