

# XNO-8020R/8030R/8040R

5M Network IR Bullet Camera

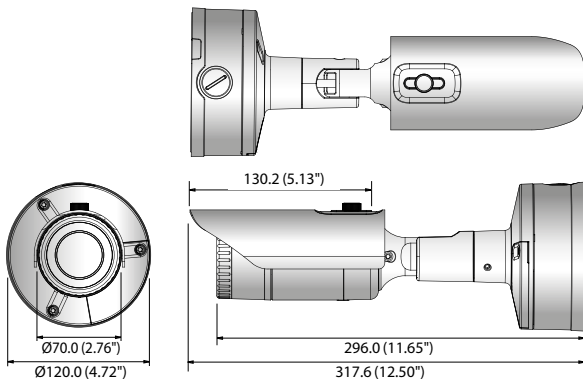


## Key Features

- Max. 5 megapixel (2560 x 1920) resolution
- Built-in 3.7mm fixed lens (XNO-8020R)  
4.6mm fixed lens (XNO-8030R)  
7mm fixed lens (XNO-8040R)
- 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, Heatmap, People counting, Queue management, Tampering
- Motion detection, Handover
- SD/SDHC/SDXC memory slot (Max. 512GB), PoE / 12V DC
- Hallway view, WiseStream II support
- IR viewable length 30m, IP67/IP66, NEMA 4X, IK10
- LDC support (Lens Distortion Correction)

## Dimensions

Unit: mm (inch)



## Accessories (Optional)



SBP-302PM

| XNO-8020R/8030R/8040R                  |  |
|--|--|
| <b>VIDEO</b>                           |  |
| 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: 0.16Lux (F1.6, 1/30sec), B/W: 0Lux (IR LED on)  |
| S/N Ratio                              | 50dB   |
| Video Out                              | CVBS: 1.0Vpp / 75Ω composite, 720 x 480(N), 720 x 576(P), for installation<br>USB: micro USB type B, 1280 x 720 for installation   |
| <b>LENS</b>                            |  |
| Focal Length (Zoom Ratio)              | 3.7mm fixed (XNO-8020R), 4.6mm fixed (XNO-8030R), 7mm fixed (XNO-8040R)  |
| Max. Aperture Ratio                    | F1.6   |
| Angular Field of View                  | H: 97.5° / V: 71.9° / D: 126.2° (XNO-8020R), H: 77.9° / V: 57.9° / D: 98.7° (XNO-8030R),<br>H: 50.7° / V: 37.8° / D: 63.8° (XNO-8040R)   |
| Min. Object Distance                   | 0.4m (1.31ft)  |
| Focus Control                          | Manual   |
| Lens / Mount Type                      | Fixed / Board-in type  |
| <b>OPERATIONAL</b>                     |  |
| IR Viewable Length                     | 30m (98.43ft)<br>Off / On (Displayed up to 85 characters)  |
| Camera Title                           | - 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 (8ea, 8point polygonal zones), Handover   |
| Privacy Masking                        | Off / On (32ea, Polygonal) - Color: Grey / Green / Red / Blue / Black / White, Mosaic  |
| Gain Control                           | Off / Low / Middle / High  |
| 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, Heatmap, People counting, Queue management |
| 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  |
| <b>NETWORK</b>                         |  |
| 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. Framerate                         | 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)<br>Selectable (Mic in / Line in), Supply voltage: 2.5V DC (4mA),  |
| Audio In                               | 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), RTCP, RTSP, NTP, HTTP, HTTPS, SSL/TLS, DHCP, PPPoE, FTP, SMTP, ICMP, IGMP, SNMPv1/v2c/v3 (MIB-2), ARP, DNS, DDNS, QoS, PIM-SM, UPnP, Bonjour<br>HTTPS (SSL) login authentication, Digest login authentication                |
| Security                               | 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<br>Supported OS: Windows 7, 8.1, 10, Mac OS X 10.10, 10.11, 10.12  |
| Web Viewer                             | 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   |
| <b>ENVIRONMENTAL</b>                   |  |
| Operating Temperature / Humidity       | -30°C ~ +55°C (-22°F ~ +131°F) / Less than 90% RH<br>* Start up should be done at above -20°C (-4°F)   |
| Storage Temperature / Humidity         | -50°C ~ +60°C (-58°F ~ +140°F) / Less than 90% RH  |
| Ingress Protection / Vandal Resistance | IP67, IP66, NEMA 4X / IK10   |
| <b>ELECTRICAL</b>                      |  |
| Input Voltage / Current                | 12V DC ±10%, PoE (IEEE802.3af)   |
| Power Consumption                      | Max. 9.3W (12VDC), Max. 10.3W (PoE)  |
| <b>MECHANICAL</b>                      |  |
| Color / Material                       | Dark gray / Aluminum   |
| Dimensions (WxH)                       | Ø70.0 x 296.0mm (Ø24.72" x 11.65") (Without sunshield)   |
| Weight                                 | 1.22Kg (2.69lb)  |

\* The latest product information / specification can be found at [hanwha-security.eu](http://hanwha-security.eu)  
\* Design and specifications are subject to change without notice.