



Network

Bullet

XNO-C8083R

6MP AI IR Bullet Camera



Key Features

- 6MP resolution
- 4.4~9.3mm (2.1x) motorized varifocal
- Color: 0.04Lux (F1.3, 1/30sec, 30IRE), 0Lux (IR LED on)
- Maximum 30fps@6MP (H.265/H.264)
- WiseIR: IR viewable length 40m (131.23ft)
- Day & Night (ICR), extremeWDR (120dB), WiseNR II (Using AI engine)
- H.265, H.264, MJPEG, WiseStream II, WiseStreamIII (Using AI engine)
- DIS with built-in Gyro sensor
- Analytics events based on AI engine (NPU) : Object detection (Person/Face/Vehicle - car, truck, bus, bicycle, motorcycle/License plate),
IVA (Virtual line/Area, Enter/Exit, Loitering, Direction, Intrusion)
- Analytics events : Defocus detection, Motion detection, Tampering, Fog detection
Audio detection, Sound classification, Shock detection, Appear/Disappear
- IP66, IP67, NEMA4X, IK10

XNO-C8083R

6MP AI IR Bullet Camera



Specifications

Video

| | |
|-------------------|--|
| Imaging Device | 1/1.8" progressive 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) MJPEG: Max. 15fps/12fps(60Hz/50Hz) |
| Min. Illumination | Color: 0.04Lux(F1.3, 1/30sec, 30IRE) B/W : 0.004Lux(F1.3, 1/30sec, 30IRE), 0Lux(IR LED on) |
| Video Out | USB: Micro USB Type B, 1280x720 for installation |

Lens

| | |
|---------------------------|---|
| Focal Length (Zoom Ratio) | 4.4~9.3mm(2.1x) motorized varifocal |
| Max. Aperture Ratio | F1.3(Wide) ~ F2.15(Tele) |
| Angular Field of View | H : 112.1°(Wide)~47.5°(Tele) V : 58.0°(Wide)~26.6°(Tele) D : 137.5°(Wide)~54.6°(Tele) |
| Min. Object Distance | 0.5m(1.64ft) |
| Focus Control | Simple focus, Manual |
| Lens Type | P-iris(IR corrected) |

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 | WiseNR II (Based on AI engine), SSNR V |
| Digital Image Stabilization | Support(built-in gyro sensor) |
| Defog | Support |
| Motion Detection | 8ea, 8point Polygonal zones |
| Privacy Masking | 32ea, 4point Quadrangle zones - Color : Gray, Green, Red, Blue, Black, White - Mosaic |
| Gain Control | Off / Max Gain / Manual |
| White Balance | ATW / Narrow ATW / AWC / Manual / Indoor / Outdoor |
| LDC | Support (Fill/stretch mode) |
| Electronic Shutter Speed | Minimum / Maximum / Anti flicker (2~1/12,000sec) prefer shutter control(Based on AI engine) |
| Video Rotation | Flip, Mirror, Hallway view(90°/270°) |
| Analytics | Classified object type : Person/Face/Vehicle/License plate Attributes : Vehicle(Type:car/bus/truck/motorcycle/bicycle) Support DetectionShot Analytics events based on AI engine - Object detection, Virtual line(Crossing/Direction), Virtual area(Loitering/Intrusion/Enter/Exit) Analytics events - Defocus detection, Motion detection, Tampering, Fog detection, Audio detection, Sound classification, Shock detection, Virtual area(Appear/Disappear) |
| Business Intelligence | Based on AI engine : People counting, Queue management, Heatmap |
| Alarm I/O | 2 configurable I/O ports |
| Alarm Triggers | Analytics, Network disconnect, Alarm input, App event, Time schedule |

| | |
|---------------------------|---|
| Alarm Events | When alarm trigger occurred - File upload(image) : e-mail/FTP - Notification : e-mail - Recording : SD/SDHC/SDXC or NAS recording at event triggers - Alarm output - Handover(PTZ preset, Send message by HTTP/HTTPS/TCP) - Audio clip playback |
| Audio In | Selectable(mic in/line in) Supply voltage: 2.5VDC(4mA), Input impedance: 2K Ohm |
| Audio Out | Line out, Max.output level: 1Vrms |
| IR Viewable Length | WiseIR 40m(131.23ft) |

Network

| | |
|--|--|
| Ethernet | Metal shielded RJ-45(10/100BASE-T) |
| Video Compression | H.265/H.264: Main/High, MJPEG |
| Audio Compression | G.711 u-law /G.726 Selectable G.726(ADPCM) 8KHz, G.711 8KHz G.726: 16Kbps, 24Kbps, 32Kbps, 40Kbps AAC-LC: 48Kbps at 16KHz |
| Smart Codec | Manual(5ea area), WiseStream II, WiseStreamIII(Based on AI engine) |
| Bitrate Control | H.264/H.265: CBR or VBR MJPEG: VBR |
| Streaming | Unicast(20 users) / Multicast Multiple streaming(Up to 10 profiles, 3 virtual channel support) |
| 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 Digest Login Authentication IP Address Filtering User access log 802.1X Authentication(EAP-TLS, EAP-LEAP, EAP-PEAP MSCHAPv2) Device Certificate(Hanwha Techwin Root CA, pre-installed) Secure by default certificate HTPM (Hanwha Trusted platform module) Secure OS/Boot/Storage, Verify firmware forgery CyberSecurity assurance program UL CAP (UL 2900-1) |
| Application Programming Interface | ONVIF Profile S/G/T SUNAPI(HTTP API) Wisenet open platform |

General

| | |
|-------------------------|--|
| Webpage Language | English, Korean, Chinese, French, Italian, Spanish, German, Japanese, Russian, Swedish., Portuguese, Czech, Polish, Turkish, Dutch, Greek, Hungarian |
| Edge Storage | Micro SD/SDHC/SDXC 1slot 512GB |
| Memory | 4GB RAM, 512MB Flash |

Environmental & Electrical

| | |
|---|---|
| Operating Temperature / Humidity | -40°C~+55°C(-40°F ~ +131°F) * Start up should be done at above -20°C NEMA TS-2 : 74°C 0~95%RH(non-condensing) Humidity control /w GORE vent |
| Storage Temperature / Humidity | -50°C ~ +60°C(-58°F ~ +140°F) / Less than 90% RH |
| Certification | IP66/IP67, NEMA4X, IK10 |
| Input Voltage | PoE(IEEE802.3af, Class3), 12VDC |
| Power Consumption | PoE: Max 12.95W, typical 11.2W 12VDC: Max 13.2W, typical 10.8W |

Mechanical

| | |
|--|---|
| Color / Material | White / Aluminum + PC Hard-coated window |
| RAL Code | RAL9003 |
| Product Dimensions / Weight | Ø93.4x276.6mm(Ø3.68x10.89"), 1640g(3.62 lb) |
| Compatible Conduit hole / Gangbox | SBO-147BA(Sold seperately) single, double, 4" octagon, 4" square |
| Backbox | include |

Certifications & Standards

| | |
|--------------------|---|
| EMC | FCC 47 CFR 15 Subpart B Class A ICES-3(A)/NMB-3(A) CE/UKCA - EN 55032 Class A, EN 50130-4, EN 61000-3-2, EN 61000-3-3 VCCI CISPR 32 Class A RCM AS/NZS CISPR 32 Class A KS C 9832 Class A , KS C 9835 |
| Safety | UL 62368-1, CAN/CSA C22.2 NO. 62368-1 IEC/EN 62471 |
| Environment | IEC/EN 63000 IEC/EN 60529 IP66/IP67, IEC/EN 62262 IK10 NEMA 250 type 4X |

DORI (EN62676-4 standard)

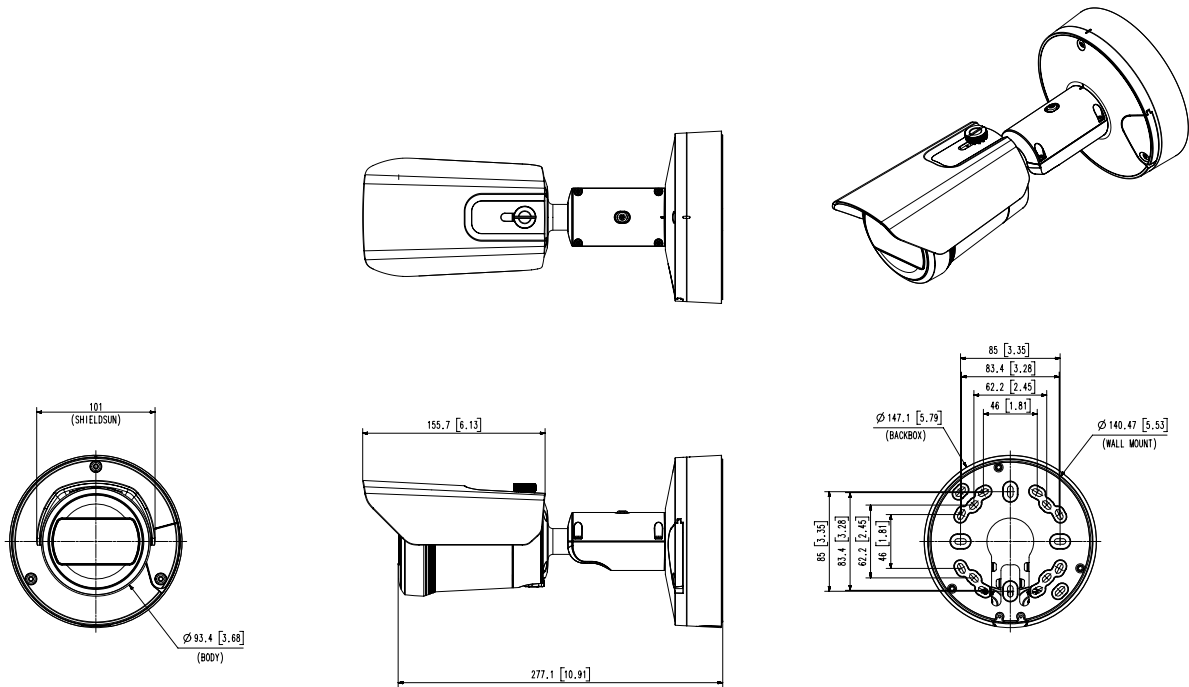
| | |
|----------------------------------|--|
| Detect (25PPM/ 8PPF) | Wide: 44.8m(147.02ft) / Tele: 151.3m(496.29ft) |
| Observe (63PPM/ 19PPF) | Wide: 17.9m(58.81ft) / Tele: 60.5m(198.52ft) |
| Recognize (125PPM/ 38PPF) | Wide: 9.0m(29.4ft) / Tele: 30.3m(99.26ft) |
| Identify (250PPM/ 76PPF) | Wide: 4.5m(14.7ft) / Tele: 15.1m(49.63ft) |

XNO-C8083R
6MP AI IR Bullet Camera



CAD

Unit: mm [inch]



| | | |
|-----|------------|-----------|
| 4 | XNO-C6083R | '21.09.24 |
| 3 | XNO-C7083R | '21.09.24 |
| 2 | XNO-C8083R | '21.09.24 |
| 1 | XNO-C9083R | '21.09.24 |
| No. | MODEL NAME | DATE |

© Hanwha Techwin Co., Ltd. All rights reserved.

Unit: mm [inch] SCALE: 1/2 Hanwha Techwin