









## **XNV-8083RZ**

6MP AI IR Vandal Dome Camera









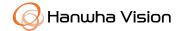


- 6MP resolution
- 4.4~9.3mm (2.1x) motorized varifocal
- Color: 0.03Lux(F1.3, 1/30sec, 30IRE), BW 0Lux(IR LED on)
- Maximum 30 fps (H.265/H.264)
- IR viewable length: 15m (49.21ft), 30m(98.43ft) based on scene
- Day & Night (ICR), extremeWDR (120 dB)
- Hard-coated dome bubble
- WiseNR II (Based on AI engine), WiseStreamIII (Based on AI engine)
- 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/IP6K9K, NEMA4X, IK10+

X series xnv-8083RZ



## XNV-8083RZ

6MP AI IR Vandal Dome Camera





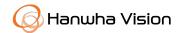


## **Specifications**

| 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)<br>MJPEG: Max. 15fps/12fps(60Hz/50Hz)   |
| Min. Illumination           | Color: 0.03Lux(F1.3, 1/30sec, 30IRE)<br>BW: 0.003Lux(F1.3, 1/30sec, 30IRE), 0Lux(IR LED on)  |
| 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: 113°(Wide)~47°(Tele)<br>V: 58°(Wide)~26°(Tele)<br>D: 138°(Wide)~54°(Tele)   |
| Min. Object Distance        | 0.5m(1.64ft)   |
| Focus Control               | Simple focus, Manual   |
| Lens Type                   | P-iris(IR corrected)   |
| Pan / Tilt / Rotate         |  |
| Pan / Tilt / Rotate Range   | Remote adjustment(Max. 200cycles)<br>0°~350° / 0°~85° / 0°~340°  |
| 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  |
| Defog                       | Support  |
| Motion Detection            | 8ea, 8point Polygonal zones  |
| Privacy Masking             | 32ea, 4point Quadrangle zones<br>- Color : Gray, Green, Red, Blue, Black, White<br>- 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 / Prefer / Anti flicker (2~1/12,000sec) Auto Prefer shutter control(Based on Al engine)  |
| Video Rotation              | Flip, Mirror, Hallway view(90°/270°)   |
|                             | ·  |

Design and specifications are subject to change without notice. The latest product information / specification can be found at HanwhaVision.com Hanwha Vision is formerly known as Hanwha Techwin.





| Analytics                                    | Classified object type: Person/Face/Vehicle/License plate Attributes: Vehicle(Type:car/bus/truck/motorcycle/bicycle) Support DetectionShot Analytics events based on Al engine - Object detection, Virtual line(Crossing/Direction), Virtual area(Loitering/Intrusion/Enter/Exit) Analytics events - Defocus detection, Motion detection, Tampering, Fog detection, Virtual area(Appear/Disappear)  * Audio detection, Sound classification(with NW I/O box SPM-4210) |
|--|---|
| Alarm Triggers                               | Analytics, Network disconnect, App event, Time schedule   |
|  | * Alarm input(with NW I/O Box SPM-4210)   |
| 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(with NW I/O box SPM-4210) - Handover(PTZ preset, Send message by HTTP/HTTPS/TCP)  |
| IR Viewable Length                           | 15m(49.21ft)<br>30m(98.43ft) based on scene   |
| Network                                      |   |
| Ethernet                                     | Metal shielded RJ-45(10/100/1000BASE-T)   |
| Video Compression                            | H.265/H.264: Main/High, MJPEG   |
| Smart Codec                                  | Manual(5ea area), WiseStream II , WiseStreamIII (Based on AI engine)  |
| Bitrate Control                              | H.264/H.265: CBR or VBR<br>MJPEG: VBR   |
| Streaming                                    | Unicast(20 users) / Multicast<br>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                                     | TPM 2.0 (FIPS 140-2 level 2) 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 Secure OS/Boot/Storage, Verify firmware forgery   |
| Application Programming Interface            | ONVIF Profile S/G/T/M<br>SUNAPI(HTTP API)<br>Wisenet open platform  |
| General                                      |   |
| Webpage Language                             | English, Korean, Chinese, French, Italian, Spanish, German, Japanese, Russian, Portuguese, Czech, Polish, Turkish, Dutch, Greek, Hungarian  |
| Edge Storage                                 | Micro SD/SDHC/SDXC 2slot Max. 1TB (512GB * 2)   |
| Memory                                       | 4GB RAM, 512MB Flash  |
| Environmental & Electrical                   |   |
| Operating Temperature / Humidity             | -50°C~+55°C(-58°F ~ +131°F)  * Start up should be done at above -30°C 0~95%RH(non-condensing)   |
|  | Humidity control /w AIR vent  |
| Storage Temperature / Humidity               | Humidity control /w AIR vent -50°C ~ +60°C(-58°F ~ +140°F) / Less than 90% RH   |
| Storage Temperature / Humidity Certification |   |
| , ,  | -50°C ~ +60°C(-58°F ~ +140°F) / Less than 90% RH  |

## Mechanical

Design and specifications are subject to change without notice. The latest product information / specification can be found at HanwhaVision.com Hanwha Vision is formerly known as Hanwha Techwin.





| Color / Material                  | White / Aluminum<br>Hard-coated dome bubble   |
|-----------------------------------|---|
| RAL Code                          | RAL9003   |
| Product Dimensions / Weight       | Ø180x135mm(7.09x5.31"), 2000g(4.41 lb)  |
| Compatible Conduit hole / Gangbox | 19.1mm(3/4")(M25) single, double, 4" octagon, 4" square   |
| Hanging Mount (Dome)              | SBP-187HMW  |
| Certifications & Standards        |   |
| EMC                               | EN 50121-4 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<br>IEC 62471  |
| Environment                       | EN IEC 63000<br>IEC 60529 IP66/IP67, ISO 20653 IP6K9K, IEC 62262 IK10+<br>NEMA 250 type 4X  |
| DORI (EN62676-4 standard)         |   |
| Detect (25PPM/ 8PPF)              | Wide: 44.1m(144.54ft) / Tele: 153.1m(502.22ft)  |
| Observe (63PPM/ 19PPF)            | Wide: 17.6m(57.82ft) / Tele: 61.2m(200.89ft)  |
| Recognize (125PPM/ 38PPF)         | Wide: 8.8m(28.91ft) / Tele: 30.6m(100.44ft)   |
| Identify (250PPM/ 76PPF)          | Wide: 4.4m(14.45ft) / Tele: 15.3m(50.22t)   |
|                                   |   |