



Network

Dome

# XNV-C6083

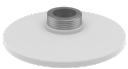
2MP AI None IR Vandal Dome Camera



## Key Features

- 2MP resolution
- 2.8~12mm (4.3x) motorised varifocal
- Maximum 60 fps@2MP (H.265/H.264)
- Day & Night (ICR), extremeWDR (150 dB)
- DIS with built-in Gyro sensor
- Hard-coated dome bubble
- Analytics events based on AI engine (NPU)
- IP66, IP67, NEMA4X, IK10

## Compatible Accessories (Optional)



SBP-167HMW

# XNV-C6083

2MP AI None IR Vandal Dome Camera



## Specifications

### Video

|                   |                                                                                                                                                                                   |
|-------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Imaging Device    | 1/2.8" progressive CMOS                                                                                                                                                           |
| Resolution        | 1920x1080, 1280x1024, 1280x960, 1280x720, 1024x768, 800x600, 800x448, 720x576, 720x480, 640x480, 640x360, 320x240                                                                 |
| Max. Framerate    | H.265/H.264: Max. 60fps/50fps(60Hz/50Hz)<br>MJPEG: Max. 30fps                                                                                                                     |
| Min. Illumination | Color: 0.01Lux(F1.4, 1/30sec, 30IRE)<br>B/W: 0.001Lux(F1.4, 1/30sec, 30IRE), 30/25fps<br><br>Color: 0.02Lux(F1.4, 1/60sec, 30IRE)<br>BW: 0.002Lux(F1.4, 1/60sec, 30IRE), 60/50fps |
| Video Out         | USB: Micro USB Type B, 1280x720 for installation                                                                                                                                  |

### Lens

|                           |                                                                              |
|---------------------------|------------------------------------------------------------------------------|
| Focal Length (Zoom Ratio) | 2.8~12mm(4.3x) motorized varifocal                                           |
| Max. Aperture Ratio       | F1.4(Wide)~F3.6(Tele)                                                        |
| Angular Field of View     | H: 120°(Wide)~27°(Tele)<br>V: 63°(Wide)~15°(Tele)<br>D: 143°(Wide)~32°(Tele) |
| Min. Object Distance      | 0.5m(1.64ft)                                                                 |
| Focus Control             | Simple focus, Manual                                                         |
| Lens Type                 | DC auto iris with hall sensor(IR corrected)                                  |

### Pan / Tilt / Rotate

|                           |                              |
|---------------------------|------------------------------|
| Pan / Tilt / Rotate Range | 0°~360° / -45°~75° / 0°~355° |
|---------------------------|------------------------------|

### Operational

|                             |                                                                                               |
|-----------------------------|-----------------------------------------------------------------------------------------------|
| Camera Title                | Displayed up to 85 characters                                                                 |
| Day & Night                 | Auto(ICR)                                                                                     |
| Backlight Compensation      | BLC, HLC, WDR, SSDR                                                                           |
| Wide Dynamic Range          | extremeWDR(150dB)                                                                             |
| 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<br>- Color: Gray/Green/Red/Blue/Black/White<br>- Mosaic         |
| Gain Control                | Off / Max Gain / Manual                                                                       |
| White Balance               | ATW / NarrowATW / AWC / Manual / Indoor / Outdoor                                             |
| LDC                         | Support(Fill/stretch mode)                                                                    |
| Electronic Shutter Speed    | Minimum / Maximum / Anti flicker(2~1/12,000sec)<br>prefer shutter control(Based on AI engine) |

Design and specifications are subject to change without notice. The latest product information / specification can be found at [HanwhaVision.com](http://HanwhaVision.com)

Hanwha Vision is formerly known as Hanwha Techwin.

|                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Video Rotation        | Flip, Mirror, Hallway view(90°/270°)                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Analytics             | Classified object type: Person/Face/Vehicle/License plate<br>Attributes: Vehicle(Type: car/bus/truck/motorcycle/bicycle)<br>Support DetectionShot<br>Analytics events based on AI engine<br>- Object detection, Virtual line(Crossing/Direction), Virtual area(Loitering/Intrusion/Enter/Exit)<br>Analytics events<br>- 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, MQTT subscription                                                                                                                                                                                                                                                                                                                                                                                       |
| Alarm Events          | When alarm trigger occurred<br>- File upload(image): e-mail/FTP<br>- Notification: e-mail<br>- Recording: SD/SDHC/SDXC or NAS recording at event triggers<br>- Alarm output<br>- Handover: PTZ preset, send message by HTTP/HTTPS/TCP<br>- Audio clip playback<br>- MQTT: publication                                                                                                                                                                                         |
| 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                                                                                                                                                                                                                                                                                                                                                                                                                                             |

|                                   |                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Network                           |                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Ethernet                          | Metal shielded RJ-45(10/100BASE-T)                                                                                                                                                                                                                                                                                                                                                                                     |
| Video Compression                 | H.265/H.264: Main/Baseline/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, 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, CDP, SRTP(TCP, UDP Unicast), MQTT                                                                                                                                                                                                  |
| 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, EAP-PEAP MSCHAPv2)<br>Device Certificate(Hanwha Techwin Root CA, pre-installed)<br>Secure by default certificate<br>HTPM(Hanwha Trusted platform module)<br>Secure OS/Boot/Storage, Verify firmware forgery<br>CyberSecurity assurance program UL CAP(UL 2900-1) |
| 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 1slot 512GB                                                                                                             |
| Memory           | 2GB RAM, 512MB Flash                                                                                                                       |

## Environmental & Electrical

|                                  |                                                                                                                                  |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| Operating Temperature / Humidity | -40°C~+55°C(-40°F~+131°F)<br>* Start up should be done at above -20°C<br>0~95%RH(non-condensing)<br>Humidity control /w AIR vent |
| Storage Temperature / Humidity   | -50°C~+60°C(-58°F~+140°F) / 0~90% RH                                                                                             |
| Certification                    | IP66/IP67, NEMA4X, IK10                                                                                                          |
| Input Voltage                    | PoE(IEEE802.3af, Class3), 12VDC                                                                                                  |
| Power Consumption                | PoE: Max 10.8W, typical 9.0W<br>12VDC: Max 10.0W, typical 8.4W                                                                   |

#### Mechanical

|                                   |                                                            |
|-----------------------------------|------------------------------------------------------------|
| Color / Material                  | White / Aluminum<br>Hard-coated dome bubble                |
| RAL Code                          | RAL9003                                                    |
| Product Dimensions / Weight       | ø160x118mm(ø6.30x4.65"), 1450g(3.20 lb)                    |
| Compatible Conduit hole / Gangbox | 12.7mm(1/2")(M20)<br>single, double, 4" octagon, 4" square |
| Hanging Mount (Dome)              | SBP-167HMW                                                 |

#### Certifications & Standards

|             |                                                                                                                                                                                                      |
|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| EMC         | EN 50121-4<br>FCC 47 CFR 15 Subpart B Class A<br>ICES-3(A)/NMB-3(A)<br>CE/UKCA<br>- EN 55032 Class A, EN 50130-4, EN 61000-3-2, EN 61000-3-3<br>VCCI CISPR 32 Class A<br>RCM AS/NZS CISPR 32 Class A |
| Safety      | UL 62368-1, CAN/CSA C22.2 NO. 62368-1                                                                                                                                                                |
| Environment | IEC/EN 63000<br>IEC/EN 60529 IP66/IP67, IEC/EN 62262 IK10<br>NEMA 250 type 4X                                                                                                                        |

#### DORI (EN62676-4 standard)

|                           |                                               |
|---------------------------|-----------------------------------------------|
| Detect (25PPM/ 8PPF)      | Wide: 22.2m(72.74ft) / Tele: 159.9m(524.76ft) |
| Observe (63PPM/ 19PPF)    | Wide: 8.9m(29.09ft) / Tele: 64.0m(209.90ft)   |
| Recognize (125PPM/ 38PPF) | Wide: 4.4m(14.55ft) / Tele: 32.0m(104.95ft)   |
| Identify (250PPM/ 76PPF)  | Wide: 2.2m(7.27ft) / Tele: 16.0m(52.48ft)     |

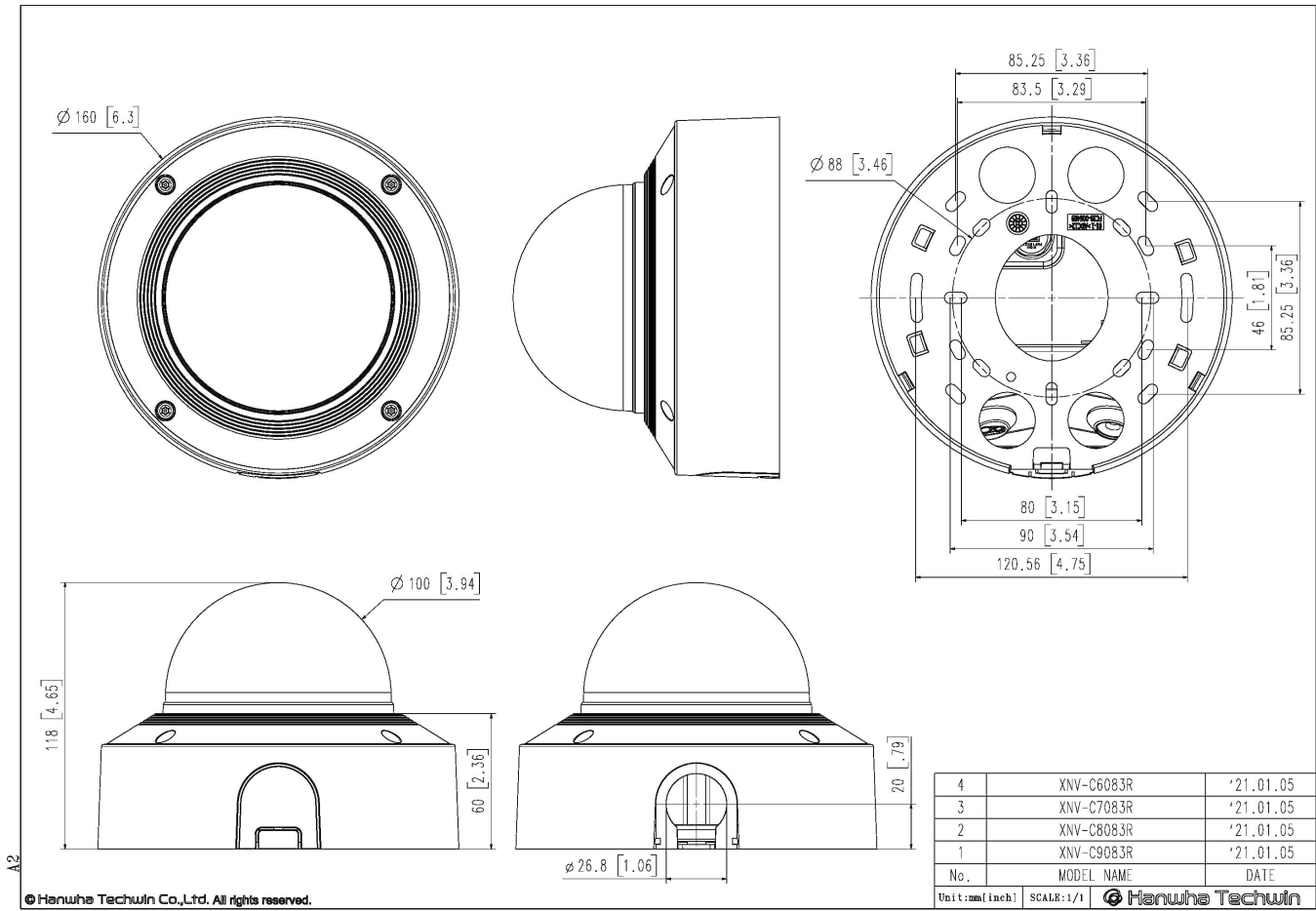
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CAD

Unit:mm [inch]



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