

# XNV-6085

2M Vandal-Resistant Network Dome Camera (eXtraLUX)

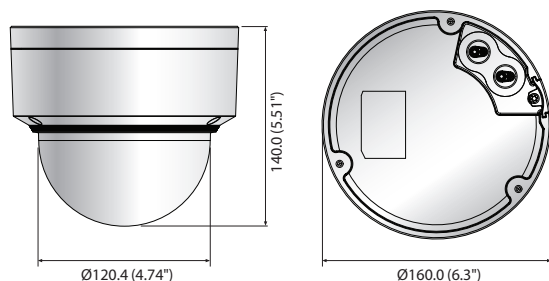


## Key Features

- eXtraLUX (world's best low light camera)
- Max. 2Megapixel (1920 x 1080) resolution
- 4.1 ~ 16.4mm (4x) motorized varifocal lens
- 0.004 Lux@F0.94 (Color), 0.0004 Lux@F0.94 (B/W)
- Max.60fps@all resoluatons (H.265 / H.264)
- H.265, H.264, MJPEG codec Supported, Multiple streaming
- Day & Night (ICR), WDR (150dB), 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, WiseStreamII Support
- LDC, PoE / 24V AC / 12V DC, Bi-directional audio Support
- IP67 / IP66, NEMA 4X, IK10 support

## Dimensions

Unit : mm (inch)



## Accessories (Optional)



## XNV-6085

|                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>VIDEO</b>                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Imaging Device                         | 1/2" 2.17M CMOS                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Total Pixels                           | 1,952(H) X 1,113(V) approx 2.17M pixels                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Effective Pixels                       | 1,945(H) X 1,097(V) approx 2.13M pixels                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Scanning System                        | Progressive Scan                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Min. Illumination                      | Color : 0.004 Lux (1/30sec, F0.94), B/W : 0.0004 Lux (1/30sec, F0.94)                                                                                                                                                                                                                                                                                                                                                                                                  |
| 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                                                                                                                                                                                                                                                                                                                                    |
| <b>LENS</b>                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Focal Length (Zoom Ratio)              | 4.1 ~ 16.4mm (Optical 4x)                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Max. Aperture Ratio                    | F0.94(Wide) ~ F2.4(Tele)                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Angular Field of View                  | H : 100°(Wide) ~ 26.2°(Tele) / V : 54°(Wide) ~ 14.8°(Tele) / D : 116°(Wide) ~ 30°(Tele)                                                                                                                                                                                                                                                                                                                                                                                |
| Min. Object Distance                   | 0.7m (2.30ft)                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Focus Control                          | Simple Focus (motorized V/F) / Manual                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Lens / Mount Type                      | DC Auto Iris / Board-in Type                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>PAN / TILT / ROTATE</b>             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Pan / Tilt / Rotate Range              | ±175° / ±73° / ±175°                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| PTR Control                            | Remote adjustment (Max. 200 cycles)                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>OPERATIONAL</b>                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 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 (Gray / Green / Red / Blue / Black / White), Transparency, Auto scale by Resolution                                                                                                                                                                                  |
| Day & Night                            | Auto (ICR) / Color / B/W / External / Schedule                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Backlight Compensation                 | Off / BLC / HLC / WDR                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Wide Dynamic Range                     | 150dB                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Contrast Enhancement                   | SSDR (Off / On)                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Digital Noise Reduction                | SSNRV (2D + 3D Noise filter) (Off / On)                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Digital Image Stabilization            | Off / On (Built-in Gyro sensor)                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Digital PTZ                            | 24x, Digital PTZ (Preset, Group)                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Defog                                  | Off / Auto / Manual                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Motion Detection                       | Off / On (8ea, 8point polygonal zones), Handover                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Privacy Masking                        | Off / On (32ea, polygonal zones)<br>- Color : Gray / Green / Red / Blue / Black / White - Mosaic                                                                                                                                                                                                                                                                                                                                                                       |
| Gain Control                           | Off / Low / Middle / High                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| White Balance                          | ATW / AWC / Manual / Indoor / Outdoor (Included mercury & Sodium)                                                                                                                                                                                                                                                                                                                                                                                                      |
| 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>NETWORK</b>                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Ethernet                               | RJ-45 (10/100 BASE-T)                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Video Compression Format               | H.265 / H.264 (MPEG-4 part 10/AVC) : Main / Baseline / High, MJPEG                                                                                                                                                                                                                                                                                                                                                                                                     |
| Resolution                             | 1920 x 1080, 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. 60fps at all resolutions, MJPEG : Max. 30fps                                                                                                                                                                                                                                                                                                                                                                                                      |
| Smart Codec                            | Manual mode (Area-based : 5ea)                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| WiseStreamII                           | Support                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Video Quality Adjustment               | H.265 / H.264 / 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 : 2.5VDC (4mA), Input impedance : approx. 2K Ohm                                                                                                                                                                                                                                                                                                                                                                         |
| Audio Out                              | Line out (3.5mm mono jack), Max output level : 1 Vrms                                                                                                                                                                                                                                                                                                                                                                                                                  |
| 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 16KHz                                                                                                                                                                                                                                                                                                                                       |
| 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                                                                                                                                                                                                                                                                                     |
| 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>- Motion Images recorded in the SD/SDHC/SDXC memory card can be downloaded.<br>NAS (Network Attached Storage), Local PC for Instant Recording                                                                                                                                                                                                                                    |
| Application Programming Interface      | ONVIF profile S/G, SUNAPI 2.0 (HTTP API), Wisenet Open Platform                                                                                                                                                                                                                                                                                                                                                                                                        |
| Webpage Language                       | English, Korean, French, German, Spanish, Italian, Chinese, Russian, Japanese, Swedish, Portuguese, Turkish, Polish, Czech, Dutch, Hungary, Greek<br>Supported OS : Windows 7, 8, 10, Mac OS X 10.10, 10.11, 10.12<br>Non-plugin Webviewer<br>- Supported Browser : Google Chrome 56, MS Edge 39, Mozilla Firefox 61 (Window 64bit only), Apple Safari 10 (Mac OS X only)<br>Plug-in Webviewer<br>- Supported Browser : MS Explore 11, Apple Safari 10 (Mac OS X only) |
| Web Viewer                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Central Management Software            | SmartViewer, SSM                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>ENVIRONMENTAL</b>                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Operating Temperature / Humidity       | -40°C ~ +55°C (-40°F ~ +131°F) / Less than 90% RH<br>* Start up should be done at above -35°C (-31°F)                                                                                                                                                                                                                                                                                                                                                                  |
| Storage Temperature / Humidity         | -40°C ~ +60°C (-40°F ~ +140°F) / Less than 90% RH                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Ingress Protection / Vandal Resistance | IP67 / IP66, NEMA 4X / IK10                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>ELECTRICAL</b>                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Input Voltage / Current                | 24V AC, 12V DC, PoE (IEEE802.3af, Class3)                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Power Consumption                      | Max. 13.5W (24V AC), Max. 11.1W (12V DC), Max. 12.1W (PoE)                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>MECHANICAL</b>                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Color / Material                       | Ivory / Aluminum                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Dimensions (WxH)                       | Ø160.0 x 140.0mm (Ø6.30" x 5.51")                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Weight                                 | 1.40kg (3.09 lb)                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

\* 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.