



Network

Bullet

# XNO-6085R

2MP H.265 IR Camera (extraLUX)



## Key Features

- 4.1 ~ 16.4mm (4x) motorized varifocal lens
- 0.004 Lux@F0.94 (Color), 0.0004 Lux@F0.94 (B/W)
- Day & Night (ICR), WDR (150dB), Defog
- Digital image stabilization with built-in Gyro sensor
- Loitering, Directional, Fog detection, Audio detection
- Digital auto tracking, Sound classification, Tampering
- Motion detection, Handover
- Memory slot (Max. 512GB), Hallway view, WiseStreamII
- IR distance 70m, IP67/IP66, NEMA 4X, IK10, LDC, PoE , 24V AC

## Compatible Devices



SBP-302PM

## XNO-6085R

2MP H.265 IR Camera (extraLUX)



### Specifications

| Video                         |                       |                                                                                                                                 |
|-------------------------------|-----------------------|---------------------------------------------------------------------------------------------------------------------------------|
| Imaging Device                | Size                  | 1/2"                                                                                                                            |
|                               | Type                  | CMOS                                                                                                                            |
| Resolution                    |                       | 1920x1080, 1280x1024, 1280x960, 1280x720, 1024x768, 800x600, 800x448, 720x576, 720x480, 640x480, 640x360, 320x240               |
| Max. Framerate                | H.265/H.264           | 60fps/50fps(60Hz/50Hz)                                                                                                          |
|                               | MJPEG                 | 30fps                                                                                                                           |
| Min. Illumination (Lux)       | Color(1/30sec, 30IRE) | 0.004                                                                                                                           |
|                               | BW(1/30sec, 30IRE)    | 0.0004                                                                                                                          |
| Video Out                     |                       | CVBS: 1.0 Vp-p / 75Ω composite for installation,<br>USB: Micro USB Type B. Preview and installation ONLY. Requires WiFi dongle. |
| Lens                          |                       |                                                                                                                                 |
| Focal Length (mm)             |                       | 4.1~16.4                                                                                                                        |
| Zoom Ratio                    | Optical               | 4x                                                                                                                              |
| Max Aperture Ratio (F number) | Wide                  | 0.94                                                                                                                            |
|                               | Tele                  | 2.4                                                                                                                             |
| Angular Field of View         | Horizontal            | 100.0°~26.2°                                                                                                                    |
|                               | Vertical              | 54°~14.8°                                                                                                                       |
|                               | Diagonal              | 116.0°~30.0°                                                                                                                    |
| Min. Object Distance          |                       | 0.7m(2.30ft)                                                                                                                    |
| Focus Control                 |                       | Simple focus, Manual                                                                                                            |
| Lens Type                     |                       | DC auto iris                                                                                                                    |
| Operational                   |                       |                                                                                                                                 |
| Day & Night                   |                       | Auto(ICR)                                                                                                                       |
| Backlight Compensation        |                       | BLC, HLC, WDR, SSDR                                                                                                             |
| Wide Dynamic Range (dB)       |                       | 150                                                                                                                             |
| Digital Noise Reduction       |                       | SSNR V                                                                                                                          |
| Digital Image Stabilization   |                       | Support                                                                                                                         |
| Defog                         |                       | Support                                                                                                                         |

## Operational

|                                          |                |                                                                                                                                                                                             |
|------------------------------------------|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Motion Detection                         | Quantity       | 8ea                                                                                                                                                                                         |
|                                          | Shape          | 8point Polygonal zones                                                                                                                                                                      |
| Privacy Masking                          | Quantity       | 32ea                                                                                                                                                                                        |
|                                          | Shape          | Polygonal zones                                                                                                                                                                             |
|                                          | Color / Option | Gray, Green, Red, Blue, Black, White, Mosaic                                                                                                                                                |
| Gain Control                             |                | Low, Middle, High                                                                                                                                                                           |
| White Balance                            |                | ATW, AWC, Manual, Indoor, Outdoor                                                                                                                                                           |
| LDC                                      |                | Support                                                                                                                                                                                     |
| Electronic Shutter                       | Mode           | Minimum, Maximum, Anti flicker                                                                                                                                                              |
|                                          | Speed Range    | 2~1/12,000sec                                                                                                                                                                               |
| Video Rotation                           |                | Flip, Mirror, Hallway view(90°/270°)                                                                                                                                                        |
| Alarm Interface                          | In/Out         | Input 1ea, Output 1ea                                                                                                                                                                       |
| Alarm Triggers                           |                | Analytics, Network disconnect, Alarm input                                                                                                                                                  |
| Alarm Events When Alarm Trigger Occurred |                | File upload(image): e-mail/FTP,<br>Notification: e-mail,<br>Recording: SD/SDHC/SDXC or NAS recording at event triggers,Alarm output,<br>Handover: PTZ preset,send message by HTTP/HTTPS/TCP |
| Audio In                                 |                | Selectable(mic in/line in)                                                                                                                                                                  |
| Audio Out                                |                | Line out                                                                                                                                                                                    |
| Light Type                               |                | IR LED                                                                                                                                                                                      |
| Light Viewable Length                    | IR             | 70m(229.66ft)                                                                                                                                                                               |
| IR Wavelength                            |                | 850nm                                                                                                                                                                                       |

## Analytics

|                  |        |                                                                                                                                                                                                                                                  |
|------------------|--------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Analytics Events | Normal | Defocus detection, Motion detection, Tampering, Fog detection, Face detection, Audio detection, Sound classification, Virtual area(Lotering, Intrusion, Enter/Exit, Appear/Disappear), Virtual line(Crossing, Direction) , Digital auto tracking |
|------------------|--------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## Network

|                   |                    |                                                                                                                               |
|-------------------|--------------------|-------------------------------------------------------------------------------------------------------------------------------|
| Ethernet          |                    | RJ-45(10/100BASE-T)                                                                                                           |
| Video Compression |                    | H.265/H.264: Main/Baseline/High, MJPEG                                                                                        |
| Audio Compression |                    | G.711 u-law /G.726 selectable,G.726(ADPCM) 8kHz,G.711 8kHz,<br>G.726: 16kbps,24kbps,32kbps,40kbps,<br>AAC-LC: 48kbps at 16kHz |
| Smart Codec       |                    | Manual, WiseStream II                                                                                                         |
| Bitrate Control   |                    | H.265/H.264: CBR or VBR,<br>MJPEG: VBR                                                                                        |
| Streaming         | Unicast            | Up to 20 users                                                                                                                |
|                   | Multicast          | Support                                                                                                                       |
|                   | Multiple Streaming | Up to 10 profiles                                                                                                             |

## Network

|                                   |        |                                                                                                                                                                                                                    |
|-----------------------------------|--------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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), PIM-SM |
| Application Programming Interface | ONVIF  | S, G, T                                                                                                                                                                                                            |
|                                   | Others | SUNAPI(HTTP API), Hanwha Vision Open Platform                                                                                                                                                                      |
| Direct Cloud Connection           |        | Optional (needs gateway)                                                                                                                                                                                           |

## Security

|                        |  |                                                                         |
|------------------------|--|-------------------------------------------------------------------------|
| OS / Firmware Protect  |  | Encrypted firmware, Secure boot, Signed firmware                        |
| User authentication    |  | Digest authentication                                                   |
| Network authentication |  | IEEE 802.1X(EAP-TLS, EAP-LEAP)                                          |
| Secure Communication   |  | HTTPS, WSS(WebSocket Secure), SRTP                                      |
| Access Control         |  | IP-based access control                                                 |
| Data Protect           |  | Encryption credentials, Encrypt compress for live recording file export |
| Audit                  |  | Access / System / Event Log management                                  |
| Secure Storage         |  | SDcard partition encrypt(AES-256)                                       |

## General

|              |                    |                               |
|--------------|--------------------|-------------------------------|
| Memory       | RAM                | 1GB                           |
|              | Flash              | 256MB                         |
| Edge Storage | Micro SD/SDHC/SDXC | Max. 512GB x 2slot(Total 1TB) |

## Environmental & Electrical

|                     |             |                                        |
|---------------------|-------------|----------------------------------------|
| Operating Condition | Temperature | -40°C~+55°C(-40°F~+131°F)              |
|                     | Humidity    | 0~90% RH(non-condensing)               |
|                     | Others      | Start up should be done at above -35°C |
| Storage Condition   | Temperature | -40°C~+60°C(-40°F~+140°F)              |
|                     | Humidity    | 0~90% RH(non-condensing)               |
| Input Voltage       |             | PoE(IEEE802.3af, Class3), 12VDC, 24VAC |
| Power Consumption   | PoE         | Max. 12.95W                            |
|                     | 12VDC       | Max. 11.5W                             |
|                     | 24VAC       | Max. 14.5W                             |

## Mechanical

|                    |  |                         |
|--------------------|--|-------------------------|
| Color              |  | Dark grey               |
| Material           |  | Aluminum                |
| Product Dimensions |  | ø91x388.6mm(3.85x15.3") |
| Product Weight     |  | 2,350g(5.18lb)          |

**Certifications & Standards**

|             |                                                                  |
|-------------|------------------------------------------------------------------|
| Environment | IEC 60529 IP66, IEC 60529 IP67, IEC 62262 IK10, NEMA 250 type 4X |
|-------------|------------------------------------------------------------------|

# XNO-6085R

2MP H.265 IR Camera (extraLUX)



## CAD

Unit: mm [inch]

