



Network

# XNB-6001

Remote Head Cam & Lens modules



## Key Features

- Max. 2Megapixel (1920 x 1080) resolution
- H.265, H.264, MJPEG codec support, Multiple streaming
- Max. 60fps@2MP (H.265 / H.264)
- WDR (120dB), Defog, DIS, WiseStreamII
- Tampering, Loitering, Directional detection, Fog detection
- Audio detection, Digital auto tracking, Heatmap
- Queue management, Face detection, People counting
- Motion detection, Handover
- Memory slot (Max. 256GB), Hallway View
- LDC, PoE / 12V DC, Bi-directional audio support

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## Specifications

| Video                       |                |                                                                                                                   |
|-----------------------------|----------------|-------------------------------------------------------------------------------------------------------------------|
| 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                                                                                                             |
| Video Out                   |                | CVBS: 1.0 Vp-p / 75Ω composite for installation,<br>USB: Micro USB Type B                                         |
| Lens                        |                |                                                                                                                   |
| Optional Lens               |                | SLA-T1080F, SLA-T2480, SLA-T2480V, SLA-T4680, SLA-T4680V                                                          |
| Operational                 |                |                                                                                                                   |
| Day & Night                 |                | Auto(Electrical)                                                                                                  |
| Backlight Compensation      |                | BLC, HLC, WDR, SDDR                                                                                               |
| Wide Dynamic Range (dB)     |                | 120                                                                                                               |
| Digital Noise Reduction     |                | SSNR V                                                                                                            |
| Digital Image Stabilization |                | Support                                                                                                           |
| Defog                       |                | Support                                                                                                           |
| Motion Detection            | Quantity       | 8ea                                                                                                               |
|                             | Shape          | 8point Polygonal zones                                                                                            |
| Privacy Masking             | Quantity       | 32ea                                                                                                              |
|                             | Shape          | 4point Quadrangle 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                                                                        |

## Operational

|                                          |                                                                                                                                                              |
|------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 |
| Audio In                                 | Selectable(mic in/line in)                                                                                                                                   |
| Audio Out                                | Line out                                                                                                                                                     |

## Analytics

|                  |        |                                                                                                                                                                                                              |
|------------------|--------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Analytics Events | Normal | Defocus detection, Motion detection, Tampering, Fog detection, Face detection, Virtual area(Lotering, Intrusion, Enter/Exit, Appear/Disappear), Virtual line(Crossing, Direction) ,<br>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                                                                                                                                                                                                        |
| Protocol                          |                    | IPv4, IPv6, TCP/IP, UDP/IP, RTP(UDP), RTP(TCP), RTCP, RTSP, NTP, HTTP, HTTPS,<br>SSL/TLS, DHCP, FTP, SMTP, ICMP, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS,<br>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, 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. 256GB x 1slot |

## Environmental & Electrical

|                     |             |                                 |
|---------------------|-------------|---------------------------------|
| Operating Condition | Temperature | -10°C~+55°C(+14°F~+131°F)       |
|                     | Humidity    | 0~90% RH(non-condensing)        |
| Storage Condition   | Temperature | -30°C~+60°C(-22°F~+140°F)       |
|                     | Humidity    | 0~90% RH(non-condensing)        |
| Input Voltage       |             | PoE(IEEE802.3af, Class3), 12VDC |
| Power Consumption   | PoE         | Max. 6.5W                       |
|                     | 12VDC       | Max. 6W                         |

## Mechanical

|                    |                                        |
|--------------------|----------------------------------------|
| Color              | Ivory                                  |
| Material           | Plastic                                |
| Product Dimensions | 131.1(W)x28(H)x86(D)mm(5.16x1.1x3.39") |
| Product Weight     | 245g(0.54lb)                           |

## Compatible lenses



| Video                   |                       | SLA-T2480                | SLA-T1080F               | SLA-T2480V               | SLA-T4680V               | SLA-T4680               |
|-------------------------|-----------------------|--------------------------|--------------------------|--------------------------|--------------------------|-------------------------|
| Imaging Device          | Size                  | 1/2.8"                   | 1/2.8"                   | 1/2.8"                   | 1/2.8"                   | 1/2.8"                  |
|                         | Type                  | CMOS                     | CMOS                     | CMOS                     | CMOS                     | CMOS                    |
| Effective Pixels        |                       | 1,945(H)x1,109 (V) 2.16M | 1,945(H)x1,109 (V) 2.16M | 1,945(H)x1,109 (V) 2.16M | 1,945(H)x1,109 (V) 2.16M | 1,945(H)x1,109(V) 2.16M |
| Min. Illumination (Lux) | Color(1/30sec, 30IRE) | 0.45                     | 0.03                     | 0.45                     | 0.06                     | 0.06                    |
|                         | BW(1/30sec, 30IRE)    | 0.45                     | 0.03                     | 0.045                    | 0.06                     | 0.06                    |

## Lens

|                                |            |                               |                               |                               |                               |                               |
|--------------------------------|------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| Focal Length (mm)              |            | 2.4                           | 1.6                           | 2.4                           | 4.6                           | 4.6                           |
| Max. Aperture Ratio (F number) | Wide       | 2.0                           | 1.6                           | 2.0                           | 2.5                           | 2.5                           |
| Angular Field of View          | Horizontal | 138°                          | 187°                          | 138°                          | 73°                           | 73°                           |
|                                | Vertical   | 73°                           | 113.9°                        | 73°                           | 39°                           | 39°                           |
|                                | Diagonal   | 168°                          |                               | 165°                          | 85°                           | 85°                           |
| Mount Type                     |            | RJ12 connected with main unit | RJ12 connected with main unit | RJ12 connected with main unit | RJ12 connected with main unit | RJ12 connected with main unit |
| Focus Control                  |            | Fixed                         | Fixed                         | Fixed                         | Fixed                         | Fixed                         |

## Environmental & Electrical

|                     |             |                                |                                |                                |                                |                                |
|---------------------|-------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| Operating Condition | Temperature | -10°C ~ +55°C (+14°F ~ +131°F) | -10°C ~ +55°C (+14°F ~ +131°F) | -10°C ~ +55°C (+14°F ~ +131°F) | -10°C ~ +55°C (+14°F ~ +131°F) | -10°C ~ +55°C (+14°F ~ +131°F) |
|                     | Humidity    | Less than 90% RH               | Less than 90% RH               | Less than 90% RH               | Less than 90% RH               | Less than 90% RH               |
| Storage Condition   | Temperature | -50°C ~ +60°C (-58°F ~ +140°F) | -50°C ~ +60°C (-58°F ~ +140°F) | -50°C ~ +60°C (-58°F ~ +140°F) | -50°C ~ +60°C (-58°F ~ +140°F) | -50°C ~ +60°C (-58°F ~ +140°F) |
|                     | Humidity    | Less than 90% RH               | Less than 90% RH               | Less than 90% RH               | Less than 90% RH               | Less than 90% RH               |

## Mechanical

|                    |                          |                          |                                  |                                  |                        |
|--------------------|--------------------------|--------------------------|----------------------------------|----------------------------------|------------------------|
| Color              | Black                    | Black                    | Black                            | Black                            | Black                  |
| Material           | Plastic                  | Plastic, Metal           | Plastic, Metal                   | Plastic, Metal                   | Plastic                |
| Product Dimensions | ø24x49.8mm(ø1.94"x1.96") | ø35x68.9mm(ø1.38"x2.71") | 30x27.9x45mm (1.18"x0.10"x1.77") | 30x20.2x45mm (1.18"x0.80"x1.77") | ø24x42mm(ø0.94"x1.65") |
| Product Weight     | 318g (0.70 lb)           | 321g (0.71 lb)           | 328g (0.72 lb)                   | 321g (0.71 lb)                   | 310g (0.68 lb)         |

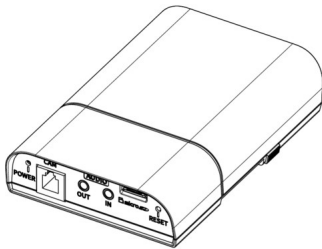
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## CAD

Unit: mm [inch]



XNB-6001  
UNIT : mm[inch]

