



Network

BOX

## XNB-6000

2M H.265 Box Camera



### Key Features

- 0.01Lux@F1.2 (Color), 0.001Lux@F1.2 (B/W)
- Max. 60fps@all resolutions (H.265/H.264)
- DIS with built-in Gyro sensor
- Day & Night (ICR), WDR(150dB)
- Loitering, Directional detection, Fog detection
- Digital auto tracking, Sound classification, Tampering
- Motion detection, Handover
- Dual SD slots (Max. 512GB)
- Hallway view, WiseStream II support

### Compatible Devices



SHB-4200H



SHB-4200



SHB-4301HP



STB-4150V



SHB-4300H1

## XNB-6000

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### Specifications

| Video                       |                       |                                                                                                                                 |
|-----------------------------|-----------------------|---------------------------------------------------------------------------------------------------------------------------------|
| Imaging Device              | Size                  | 1/2.8"                                                                                                                          |
|                             | 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) | 0.01                                                                                                                            |
|                             | BW(1/30sec, 30IRE)    | 0.001                                                                                                                           |
| 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                        |                       |                                                                                                                                 |
| Focus Control               |                       | Simple focus                                                                                                                    |
| Lens Type                   |                       | DC auto iris, Manual, I-CS, P iris                                                                                              |
| Mount Type                  |                       | C mount, CS mount                                                                                                               |
| Optional Lens               |                       | SLA-M2890DN, SLA-M2890PN                                                                                                        |
| Operational                 |                       |                                                                                                                                 |
| Day & Night                 |                       | Auto(ICR)                                                                                                                       |
| Backlight Compensation      |                       | BLC, HLC, WDR, SDR                                                                                                              |
| Wide Dynamic Range (dB)     |                       | 150                                                                                                                             |
| Digital Noise Reduction     |                       | SSNR V                                                                                                                          |
| Digital Image Stabilization |                       | Support(built-in gyro sensor)                                                                                                   |
| 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                                                                                                               |

## Operational

|                                          |             |                                                                                                                                                                                             |
|------------------------------------------|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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°)                                                                                                                                                        |
| Serial Interface                         |             | RS-485(Samsung-T, Pelco-D/P, Panasonic, Bosch, AD, GE, Vicon, Honeywell)                                                                                                                    |
| Alarm Interface                          | In/Out      | Input 1ea, Output 1ea                                                                                                                                                                       |
| Alarm Triggers                           |             | Analytics, Network disconnect, Alarm input, App event, Time schedule                                                                                                                        |
| 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), Built-in mic                                                                                                                                                    |
| Audio Out                                |             | Line out                                                                                                                                                                                    |

## 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                                                                                                                                                                                          |
| 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) |
| 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                                 |
| User authentication    |  | Digest authentication                              |
| Network authentication |  | IEEE 802.1X(EAP-TLS, EAP-LEAP, EAP-PEAP, MSCHAPv2) |

## Security

|                      |                                           |
|----------------------|-------------------------------------------|
| Secure Communication | HTTPS, WSS(WebSocket Secure), SRTP        |
| Access Control       | IP-based access control                   |
| Data Protect         | Encryption credentials                    |
| Audit                | Access / System / Event Log management    |
| Device ID            | Device certificate(Hanwha Vision Root CA) |

## General

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

## Environmental & Electrical

|                     |             |                                        |
|---------------------|-------------|----------------------------------------|
| Operating Condition | Temperature | -10°C~+55°C(+14°F~+131°F)              |
|                     | Humidity    | 0~90% RH(non-condensing)               |
| Storage Condition   | Temperature | -50°C~+60°C(-58°F~+140°F)              |
|                     | Humidity    | 0~90% RH(non-condensing)               |
| Input Voltage       |             | PoE(IEEE802.3af, Class3), 12VDC, 24VAC |
| Power Consumption   | PoE         | Max. 7.5W                              |
|                     | 12VDC       | Max. 6.5W                              |
|                     | 24VAC       | Max. 9W                                |

## Mechanical

|                    |                                             |
|--------------------|---------------------------------------------|
| Color              | Ivory, Black                                |
| Material           | Plastic                                     |
| Product Dimensions | 73.1(W)x66.6(H)x147.8(D)mm(2.88x2.62x5.82") |
| Product Weight     | 420g(0.93lb)                                |

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CAD

Unit: mm [inch]

