





# XNB-6003

2MP AI Box Camera



## **Key Features**

#### 2MP resolution

• Color: 0.007 Lux (F1.2, 1/30sec, 30IRE), BW: 0.0007 Lux (F1.2, 1/30sec, 30IRE)

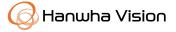
• Maximum 120 fps (H.265/H.264)

- Day & Night (ICR), extremeWDR (150dB)
- WiseNR II (Based on AI engine), WiseStreamIII (Based on AI engine)
- Analytics events based on AI engine (NPU) : Object detection (Person/Face/Vehicle car, truck, bus, bicycle, motorcycle/License plate),

IVA (Virtual line/Area, Enter/Exit, Loitering, Direction, Intrusion)

- Analytics events : Defocus detection, Motion detection, Tampering, Fog detection
- Audio detection, Sound classification, Shock detection, Appear/Disappear

Design and specifications are subject to change without notice. The latest product information / specification can be found at HanwhaVision.com Hanwha Vision is formerly known as Hanwha Techwin.









## **Specifications**

| Video                       |   |
|-----------------------------|---|
| Imaging Device              | 1/2.8" progressive CMOS   |
| Resolution                  | 1920x1080, 1280x1024, 1280x960, 1280x720, 1024x768, 800x600, 800x448, 720x576, 720x480, 640x480, 640x360, 320x240           |
| Max. Framerate              | H.265/H.264: Max. 120fps/100fps(60Hz/50Hz)(WDR off)<br>Max. 60fps/50fps(60Hz/50Hz)(WDR on)<br>MJPEG: Max. 30fps             |
| Min. Illumination           | Color: 0.007Lux(F1.2, 1/30sec, 30IRE)<br>BW: 0.0007Lux(F1.2, 1/30sec, 30IRE), 30/25fps                                      |
|                             | Color: 0.014Lux(F1.2, 1/60sec, 30IRE)<br>BW: 0.0014Lux(F1.2, 1/60sec, 30IRE), 60/50fps                                      |
|                             | Color: 0.028Lux(F1.2, 1/120sec, 30IRE)<br>BW: 0.0028Lux(F1.2, 1/120sec, 30IRE), 120/100fps                                  |
| Video Out                   | CVBS: 1.0 Vp-p / 75Ω composite, 720x480(N), 720x576(P) for installation<br>USB: Micro USB Type B, 1280x720 for installation |
| Lens                        |   |
| Focus Control               | Simple focus  |
| Lens Type                   | DC auto iris, P-iris, Manual, I-CS  |
| Mount Type                  | C mount, CS mount   |
| Operational                 |   |
| Camera Title                | Displayed up to 85 characters   |
| Day & Night                 | Auto(ICR)   |
| Backlight Compensation      | BLC, HLC, WDR, SSDR   |
| Wide Dynamic Range          | extremeWDR(150dB)   |
| Digital Noise Reduction     | WiseNR II (Based on AI engine), SSNR V  |
| Digital Image Stabilization | Support(built-in gyro sensor)   |
| Defog                       | Support   |
| Motion Detection            | 8ea, 8point Polygonal zones   |
| Privacy Masking             | 32ea, 4point Quadrangle zones<br>- Color: Gray/Green/Red/Blue/Black/White<br>- Mosaic                                       |
| Gain Control                | Off / Max gain / Manual   |
| White Balance               | ATW / NarrowATW / AWC / Manual / Indoor / Outdoor   |
| LDC                         | Support(Fill/stretch mode)  |
| Electronic Shutter Speed    | Minimum / Maximum / Anti flicker(2~1/12,000sec)<br>prefer shutter control(Based on AI engine)                               |
| Video Rotation              | Flip, Mirror, Hallway view(90°/270°)  |

Design and specifications are subject to change without notice. The latest product information / specification can be found at HanwhaVision.com Hanwha Vision is formerly known as Hanwha Techwin.

### XNB-6003



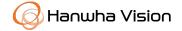
| (NB-6003                          |  |
|-----------------------------------|--|
| Analytics                         | Classified object type: Person/Face/Vehicle/License plate<br>Attributes: Vehicle(Type: car/bus/truck/motorcycle/bicycle)   |
|                                   | Support DetectionShot<br>Analytics events based on AI engine<br>- Object detection, Virtual line(Crossing/Direction), Virtual area(Loitering/Intrusion/Enter/Exit)<br>Analytics events   |
|                                   | - Defocus detection, Motion detection, Tampering, Fog detection, Audio detection, Sound classification, Shock detection, Virtual area(Appear/Disappear)  |
| Business Intelligence             | Based on Al engine: People counting, Queue management, Heatmap   |
| Serial Interface                  | RS-485(Samsung-T, Pelco-D/P, Panasonic, Bosch, AD, GE, Vicon, Honeywell)   |
| Alarm I/O                         | 2 configurable I/O ports   |
| Alarm Triggers                    | Analytics, Network disconnect, Alarm input, App event, Time schedule, MQTT subscription  |
| Alarm Events                      | When alarm trigger occurred<br>- File upload(image): e-mail/FTP<br>- Notification: e-mail<br>- Recording: SD/SDHC/SDXC or NAS recording at event triggers<br>- Alarm output<br>- Handover: PTZ preset, send message by HTTP/HTTPS/TCP<br>- Audio clip playback<br>- MQTT: publication  |
| Audio In                          | Selectable(mic in/line in/Built-in MIC)<br>Supply voltage: 2.5VDC(4mA), Input impedance: 2K Ohm  |
| Audio Out                         | Line out, Max.output level: 1Vrms  |
| Network                           |  |
| Ethernet                          | Metal shielded RJ-45(10/100/1000BASE-T)  |
| Video Compression                 | H.265/H.264: Main/Baseline/High, MJPEG   |
| Audio Compression                 | G.711 u-law /G.726 Selectable<br>G.726(ADPCM) 8KHz, G.711 8KHz<br>G.726: 16Kbps, 24Kbps, 32Kbps, 40Kbps<br>AAC-LC: 48Kbps at 16KHz   |
| Smart Codec                       | Manual(5ea area), WiseStream II, WiseStreamIII(Based on AI engine)   |
| Bitrate Control                   | H.264/H.265: CBR or VBR<br>MJPEG: VBR  |
| Streaming                         | Unicast(20 users) / Multicast<br>Multiple streaming(Up to 10 profiles, 3 virtual channel support)  |
| Protocol                          | IPv4, IPv6, TCP/IP, UDP/IP, RTP(UDP), RTP(TCP), RTCP,RTSP, NTP, HTTP, HTTPS, SSL/TLS, DHCP, FTP,<br>SMTP, ICMP, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS, UPnP, Bonjour, LLDP, CDP,<br>SRTP(TCP, UDP Unicast), MQTT   |
| Security                          | TPM 2.0(FIPS 140-2 level 2)<br>HTTPS(SSL) Login Authentication<br>Digest Login Authentication<br>IP Address Filtering<br>User access log<br>802.1X Authentication(EAP-TLS, EAP-LEAP, EAP-PEAP MSCHAPv2)<br>Device Certificate(Hanwha Techwin Root CA, pre-installed)<br>Secure by default certificate<br>Secure OS/Boot/Storage, Verify firmware forgery |
| Application Programming Interface | ONVIF Profile S/G/T/M<br>SUNAPI(HTTP API)<br>Wisenet open platform   |
| General                           |  |
| Webpage Language                  | English, Korean, Chinese, French, Italian, Spanish, German, Japanese, Russian, Portuguese, Czech,<br>Polish, Turkish, Dutch, Greek, Hungarian  |
| Edge Storage                      | Micro SD/SDHC/SDXC 2slot Max. 1TB(512GB * 2)   |
| Memory                            | 2GB RAM, 512MB Flash   |
| Environmental & Electrical        |  |
| Operating Temperature / Humidity  | -10°C~+55°C(-14°F~+131°F) / 0~95% RH(non-condensing)   |
| Storage Temperature / Humidity    |  |

Storage Temperature / Humidity -50°C~+60°C(-58°F~+140°F) / 0~90% RH

Design and specifications are subject to change without notice. The latest product information / specification can be found at HanwhaVision.com Hanwha Vision is formerly known as Hanwha Techwin.

© Hanwha Vision CO., LTD. All rights reserved.

#### XNB-6003



| Input Voltage               | PoE(IEEE802.3af, Class3), 12VDC   |
|-----------------------------|---|
| Power Consumption           | PoE: Max 12.95W, typical 9.8W<br>12VDC: Max 19W, typical 9.5W   |
| Mechanical                  |   |
| Color / Material            | Black / Aluminum  |
| Product Dimensions / Weight | 81(W)x67(H)x165(D)mm(3.19x2.64x6.48"), 880g(1.94 lb)  |
| Certifications & Standards  |   |
| EMC                         | FCC 47 CFR 15 Subpart B Class A<br>ICES-3(A)/NMB-3(A)<br>CE/UKCA<br>- EN 55032 Class A, EN 50130-4, EN 61000-3-2, EN 61000-3-3<br>VCCI CISPR 32 Class A<br>RCM AS/NZS CISPR 32 Class A<br>KS C 9832 Class A , KS C 9835 |
| Safety                      | UL 62368-1, CAN/CSA C22.2 NO. 62368-1<br>IEC/EN 62471   |

Design and specifications are subject to change without notice. The latest product information / specification can be found at HanwhaVision.com Hanwha Vision is formerly known as Hanwha Techwin.