



Network

XNB-6002

Remote Head Cam & Lens modules



Key Features

Key Features

- Max. 2Megapixel (1920 x 1080) resolution
- H.265, H.264, MJPEG codec support, Multiple streaming
- Max. 60fps@2MP (H.265 / H.264)
- extremeWDR (120dB), Defog, DIS, WiseStreamII
- Tampering, Loitering, Directional detection, Fog detection
- Audio detection, Heatmap, Sound classification
- Queue management, Face detection, People counting
- Motion detection, Handover
- Compatible lens: SLA-T1080FA, SLA-T2480A, SLA-T2480VA, SLA-T4680A, SLA-T4680VA

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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, USB: Micro USB Type B. Preview and installation ONLY. Requires WiFi dongle.	

Lens

Optional Lens	SLA-T1080FA, SLA-T2480A, SLA-T2480VA, SLA-T4680A, SLA-T4680VA
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Operational

Day & Night	Auto(Electrical)	
Backlight Compensation	BLC, HLC, WDR, SSDR	
Wide Dynamic Range (dB)	120	
Digital Noise Reduction	WiseNR, 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	Off, Max gain, Manual	
White Balance	ATW, NarrowATW, AWC, Manual, Indoor, Outdoor	
LDC	Support(Not support for fisheye lens)	
Electronic Shutter	Mode	Minimum, Maximum, Anti flicker, Prefer shutter control
	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, App event, Time schedule, MQTT subscription	

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.

Operational

Alarm Events When Alarm Trigger Occurred	File upload(image): e-mail/FTP/SFTP, File upload(video clip): FTP/SFTP, Notification: e-mail, Recording: SD/SDHC/SDXC or NAS recording at event triggers, Alarm output, Handover: PTZ preset, send message by HTTP/HTTPS/TCP, Audio clip playback, MQTT: publication
Audio In	Selectable(mic in/line in)
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)
Business Intelligence	Normal	People counting, Queue management, Heatmap

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, G.726: 16kbps, 24kbps, 32kbps, 40kbps, AAC-LC: 48kbps at 16kHz	
Smart Codec	Manual, WiseStream II	
Bitrate Control	H.265/H.264: CBR or VBR, 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, SFTP, 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	Support	

Security

OS / Firmware Protect	Encrypted firmware, Secure boot, Signed firmware
User authentication	Digest authentication, Prevent brute-force attack
Network authentication	IEEE 802.1X(EAP-TLS, EAP-LEAP, EAP-PEAP, MSCHAPv2)
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
Device ID	Device certificate(Hanwha Vision Root CA)

Security

Secure Storage	TPM(Trusted platform module), HTPM(Hanwha Trusted Platform Module), SDcard partition encrypt(AES-256)
Security Certificate	TPM 2.0 with FIPS 140-2 level2

General

Memory	RAM	2GB
	Flash	512MB
Edge Storage	Micro SD/SDHC/SDXC	Max. 1TB x 1slot
Edge Storage(OnCloud)	Micro SD/SDHC/SDXC	Max. 1TB x 2slots (Total 2TB) *Hanwha Vision branded microSD cards have been certified and recommended for OnCloud edge recording.

Environmental & Electrical

Operating Condition	Temperature	-10°C~+55°C(+14°F~+131°F)
	Humidity	0~95% 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 10.5W, typical 6.9W
	12VDC	Max 8.6W, typical 5.5W
Power Redundance Failover		Support

Mechanical

Color	Black
Material	Metal, Plastic
RAL Code	RAL9005
Product Dimensions	131.1(W)x33.5(H)x86(D)mm(5.16x1.32x3.39")
Product Weight	420g(0.93lb)

Certifications & Standards

EMC	FCC 47 CFR 15 Subpart B Class A, ICES-3(A)/NMB-3(A), CE/UKCA - EN55032 Class A, EN 50130-4, EN 61000-3-2, EN 61000-3-3, VCCI CISPR 32 Class A RCM AS-NZS CISPR 32 Class A, KS C 9832 Class A, KS C 9835
Safety	UL 62368-1, CAN/CSA C22.2 NO. 62368-1
Environment	IEC/EN 63000

Compatible lenses



Video		SLA-T2480A	SLA-T2480VA	SLA-T4680A
Imaging Device	Size	1/2.8"	1/2.8"	1/2.8"
	Type	CMOS	CMOS	CMOS
Min. Illumination (Lux)	Color(1/30sec, 30IRE)	0.45	0.045	0.06
	BW(1/30sec, 30IRE)	0.045	0.045	0.06

Lens

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

Mechanical

Color	Black	Black	Black
Material	Plastic	Plastic, Metal	Plastic
Product Dimensions	Ø24xL49.8mm	W30xH27.9xD45mm	Ø24xL49.8mm
Product Weight	318g	328g	310g

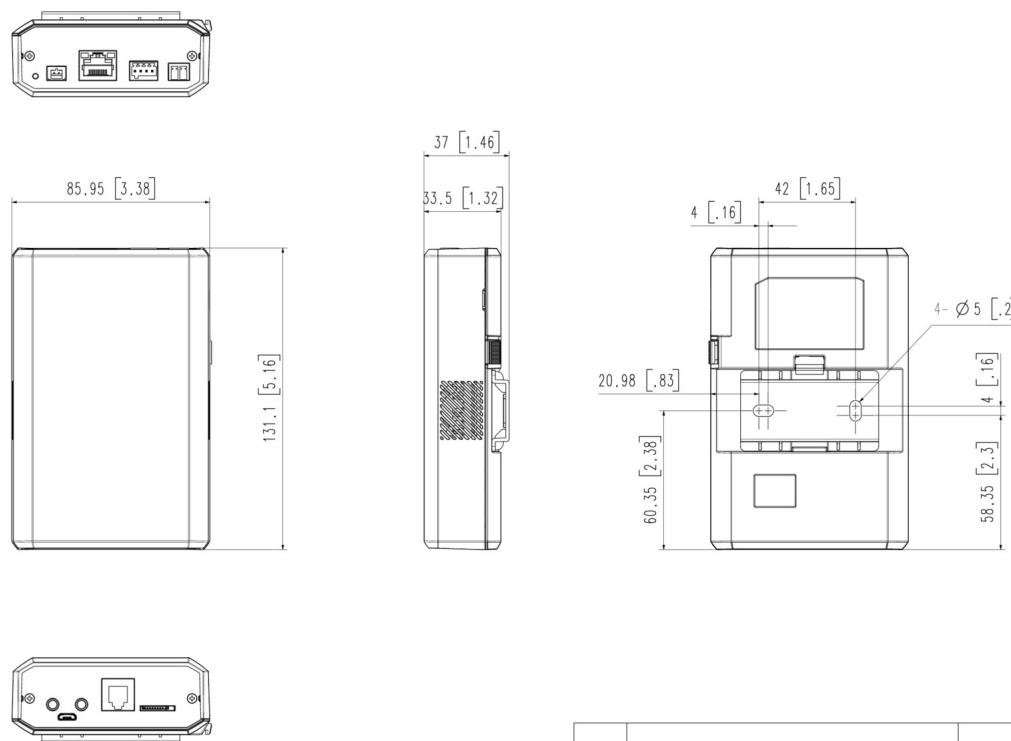
XNB-6002

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CAD

Unit: mm [inch]



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1	XNB-6002	'22.09.23
No.	MODEL NAME	DATE

Unit:mm [inch] SCALE:1/1  Hanwha Techwin