Network BOX

XNB-9002

4K Box Camera

Key Features

- 4K resolution
- 0.05Lux@F1.2 (Color), 0.005Lux(B/W)
- Max. 30fps@4K (H.265/H.264)
- Day & Night (ICR), extreme WDR (120dB)
- DIS with built-in Gyro sensor
- Video Analytics (Defocus, Directional detection, Audio detection, Shock detection, Face/Upper body detection)
- Digital auto tracking, Sound classification
- Motion detection, Handover
- Dual SD slots (Max. 1TB)
- WiseStream II support
- Certified by UL CAP

Compatible Accessories (Optional)

SHB-4301HP

STB-4150V

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Specifications

Video	
Imaging Device	1/2.8" progressive CMOS
Resolution	3840x2160, 3328x1872, 3072x1728, 2592x1944, 2688x1520, 1920x1080, 1600x1200, 1280x1024,\n1280x960, 1280x720, 1024x768, 800x600, 800x448, 720x576, 720x480, 640x480, 640x360, 320x240
Max. Framerate	H.265/H.264: Max. 30fps/25fps(60Hz/50Hz)\nMJPEG: Max. 15fps/12fps(60Hz/50Hz)
Min. Illumination	Color: 0.05Lux(F1.2, 1/30sec, 30IRE)\nB/W: 0.005Lux(F1.2, 1/30sec, 30IRE)
Video Out	CVBS: 1.0 Vp-p / 75Ω composite, 720x480(N), 720x576(P) for installation\nUSB: 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 (120dB)
Digital Noise Reduction	SSNR V
Digital Image Stabilization	Support(built-in gyro sensor)
Defog	Support
Motion Detection	8ea, 8point Polygonal zones
Privacy Masking	32ea, Quadrangle zones\n- Color : Gray, Green, Red, Blue, Black, White\n- Mosaic
Gain Control	Support
White Balance	ATW / Narrow ATW / AWC / Manual / Indoor / Outdoor
LDC	Support (Fill/stretch mode)
Electronic Shutter Speed	Minimum / Maximum / Anti flicker (2~1/12,000sec)\nprefer shutter control
Video Rotation	Flip, Mirror, Hallway view(90°/270°)
Analytics	Defocus detection, Directional detection, Motion detection, Digital auto tracking, Appear/Disappear, \nEnter/Exit, Loitering, Tampering, Fog detection, Virtual line, Audio detection, Sound classification,\nShock detection, Face/upper body detection
Business Intelligence	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
Alarm Events	When alarm trigger occurred\n - File upload(image) : e-mail/FTP\n - Notification : e-mail\n - Recording : SD/SDHC/SDXC or NAS recording at event triggers\n - Alarm output\n - Handover(PTZ preset, Send message by HTTP/HTTPS/TCP)\n - Audio clip playback
Audio In	Selectable(mic in/line in/Built-in mic)\nSupply voltage: 2.5VDC(4mA), Input impedance: 2K Ohm

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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/High, MJPEG
Audio Compression	G.711 u-law /G.726 Selectable\nG.726(ADPCM) 8KHz, G.711 8KHz\nG.726: 16Kbps, 24Kbps, 32Kbps, 40Kbps\nAAC-LC: 48Kbps at 16KHz
Smart Codec	Manual(5ea area), WiseStream II
Bitrate Control	H.264/H.265: CBR or VBR\nMJPEG: VBR
Streaming	Unicast(20 users) / Multicast\nMultiple 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, SMTP,\nICMP, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS, UPnP, Bonjour, LLDP, SRTP (TCP, UDP Unicast)
Security	HTTPS(SSL) Login Authentication\nDigest Login Authentication\nIP Address Filtering\nUser access log\n802.1X Authentication(EAP-TLS, EAP-LEAP, EAP-PEAP MSCHAPv2)\nDevice Certificate(Hanwha Techwin Root CA, pre-installed)\nSecure by default certificate\nHTPM (Hanwha Trusted platform module)\nSecure OS/Boot/Storage, Verify firmware forgery\nCyberSecurity assuarance program UL CAP (UL 2900-1)
Application Programming Interface	ONVIF Profile S/G/T\nSUNAPI(HTTP API)\nWisenet open platform

General	
Webpage Language	English, Korean, Chinese, French, Italian, Spanish, German, Japanese, Russian, Swedish,, Portuguese, Czech, Polish, Turkish, Dutch, Greek, Hungarian
Edge Storage	Micro SD/SDHC/SDXC 2slot 1TB(512GBx2)
Memory	4GB RAM, 512MB Flash

Environmental & Electrical	
Operating Temperature / Humidity	-10°C ~ +55°C(+14°F ~ +131°F) / 0 ~ 95% RH (non condensing)
Storage Temperature / Humidity	-50°C ~ +60°C(-58°F ~ +140°F) / 0 ~ 90% RH
Input Voltage	PoE(IEEE802.3af), 12VDC, 24VAC
Power Consumption	PoE: Max 12.95W, typical 8.2W\n12VDC: Max 11.5W, typical 7.5W\n24VAC: Max 13.5W, typical 8.9W\nPower redundancy failover

Mechanical	
Color / Material	Black / Aluminum
Product Dimensions / Weight	81(W)x67(H)x165(D)mm(3.19x2.64x6.48"), 880g(1.94 lb)

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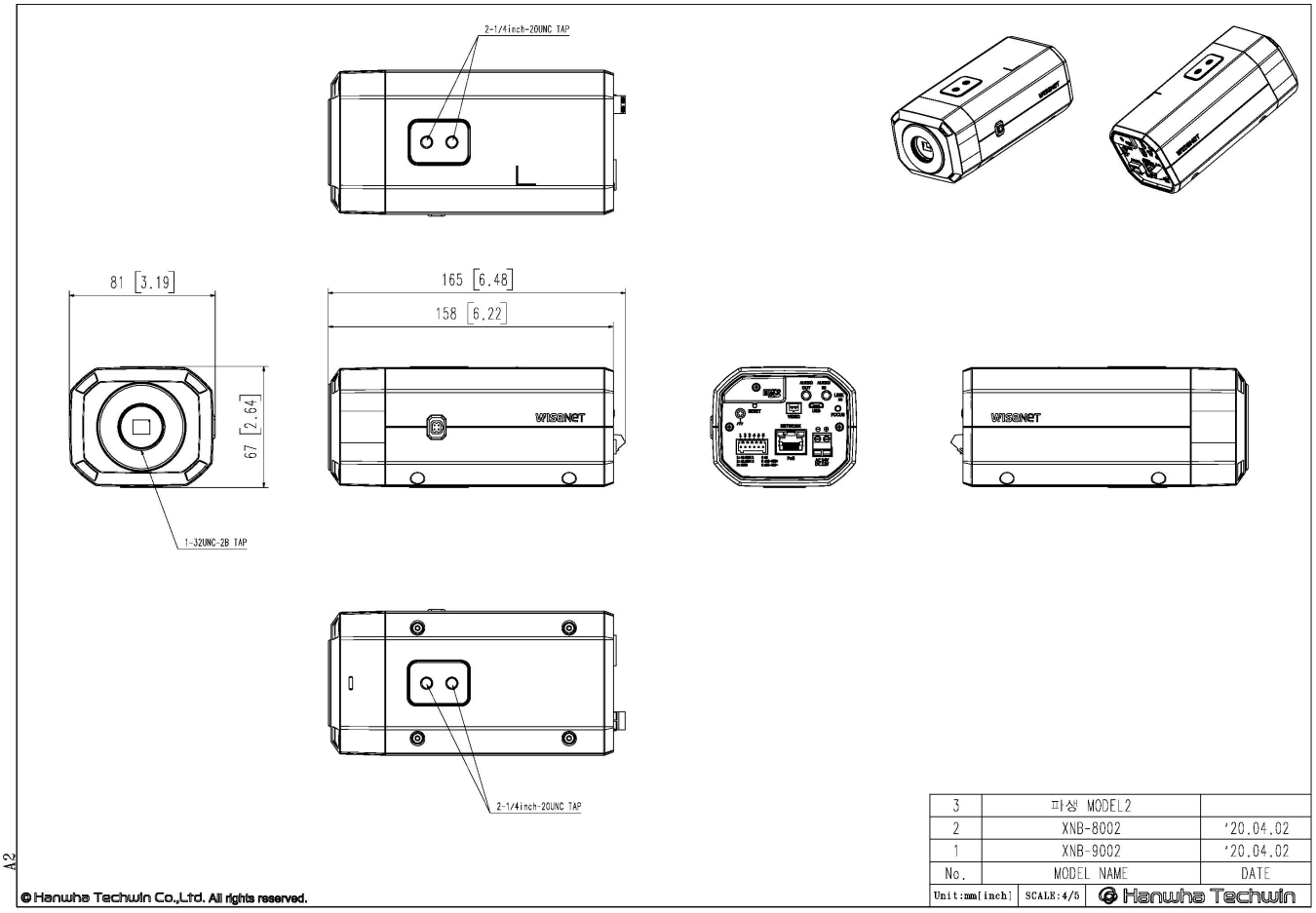
4K Box Camera

CAD

Unit:mm [inch]



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