Hanwha Vision

Network BOX

QNB-8002

5MP Box Camera

Key Features

- 0.07Lux@F1.2 (Color)
- Max. 30fps@5MP (H.265/H.264)
- Day & Night (ICR), WDR(120dB)
- Defocus detection, Directional detection, Motion detection, Enter/Exit, Tampering, Virtual line, Tampering
- SD 1slot (128GB)
- H.265, H.264, MJPEG codec, WiseStream II

Compatible Accessories (Optional)

SHB-4200H

SHB-4200

SHB-4301HP

STB-4150V

SHB-4300H1

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.

QNB-8002

5MP Box Camera

Specifications

Video	
Imaging Device	1/2.8" CMOS
Resolution	5MP mode : 2592x1944, 1920x1080, 1280x960, 1280x720, 800x600, 800x448, 720x576, 720x480, 640x480, 640x360, 320x240 4MP mode : 2560x1440, 1920x1080, 1280x960, 1280x720, 800x600, 800x448, 720x576, 720x480, 640x480, 640x360, 320x240
Max. Framerate	H.265/H.264: Max. 30fps/25fps(60Hz/50Hz) MJPEG: Max. 15fps(@5MP Max. 2fps)
Min. Illumination	Color: 0.07Lux(F1.2, 1/30sec, 30IRE) B/W : 0.007Lux(F1.2, 1/30sec, 30IRE)
Video Out	CVBS: 1.0 Vp-p / 75Ω composite, 720x480(N), 720x576(P) for installation

Lens	
Focus Control	Manual
Lens Type	Manual/ DC-IRIS
Mount Type	C mount, CS mount

Operational	
Camera Title	Displayed up to 85 characters
Day & Night	Auto(ICR)
Backlight Compensation	BLC, WDR, SSDR
Wide Dynamic Range	120dB
Digital Noise Reduction	SSNR
Motion Detection	4ea, polygonal zones
Privacy Masking	6ea, rectangular zones
Gain Control	Low / Middle / High
White Balance	ATW / AWC / Manual / Indoor / Outdoor
LDC	Support
Electronic Shutter Speed	Minimum / Maximum / Anti flicker (1/5~1/12,000sec)
Video Rotation	Flip, Mirror, Hallway view(90°/270°)
Analytics	Motion detection, Tampering, Defocus detection , Virtual area(Intrusion/Enter/Exit), Virtual line(Crossing/Direction)
Serial Interface	RS-485(Samsung-T, Pelco-D/P, Panasonic, Bosch, AD, GE, Vicon, Honeywell)
Alarm I/O	Input 1ea / Output 1ea
Alarm Triggers	Analytics, Network disconnect, Alarm input
Alarm Events	When alarm trigger occurred - File upload(image): e-mail/FTP - Notification: e-mail - Recording: SD/SDHC/SDXC or NAS recording at event triggers - Alarm output - Handover: PTZ preset
Audio In	Selectable(mic in/line in)

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.

Audio Out	Line out

Network	
Ethernet	RJ-45(10/100BASE-T)
Video Compression	H.265/H.264: Main/High, MJPEG
Audio Compression	G.711 u-law /G.726 Selectable G.726(ADPCM) 8KHz, G.711 8KHz G.726: 16Kbps, 24Kbps, 32Kbps, 40Kbps
Smart Codec	WiseStream II
Bitrate Control	H.264/H.265: CBR or VBR MJPEG: VBR
Streaming	Unicast(6 users) / Multicast Multiple streaming(Up to 3 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
Application Programming Interface	ONVIF Profile S/G/T SUNAPI(HTTP API) Wisenet open platform

Security	
OS / Firmware Protect	Firmware encryption
User authentication	Digest Authentication, Prevent brute-force attack
Network authentication	802.1X Authentication(EAP-TLS, EAP-LEAP, EAP-PEAP MSCHAPv2)
Secure Communication	HTTPS, SRTP, WSS(Websocket secure)
Access Control	Access control based on IP address
Data Protect	Authentication information encryption, ZIP compression encryption
Audit	User Access/System/Event log management
Device ID	Device Certificate(Hanwha Private Root CA)
Secure Storage	SDcard partition encrypt

General	
Webpage Language	English, Korean, Chinese, French, Italian, Spanish, German, Japanese, Russian, Swedish, Portuguese, Czech, Polish, Turkish, Dutch
Edge Storage	Micro SD/SDHC/SDXC 1slot 128GB
Memory	512MB RAM, 256MB Flash

Environmental & Electrical	
Operating Temperature / Humidity	-10°C~+55°C(+14°F~+131°F) / 0~90% RH(non-condensing)
Storage Temperature / Humidity	-30°C~+60°C(-22°F~+140°F) / 0~90% RH
Input Voltage	PoE(IEEE802.3af, Class3), 12VDC
Power Consumption	PoE: Max 6.4W, Typical 4.6W 12VDC: Max 5.8W, Typical 4.1W

Mechanical	
Color / Material	Black, Ivory / Plastic
Product Dimensions / Weight	73.8(W)x66.6(H)X136.2(D)mm(2.9x2.6x5.4"), 320g(0.71 lb)

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.

Compatible lenses

Video	SLA-M2890DN
Imaging Device	
Resolution	
Effective Pixels	
Min. Illumination	
Max. Framerate	
NETD	
Pixel Size	
Video Out	
Video Transmission Distance	

Lens	SLA-M2890DN
Focal Length (Zoom Ratio)	
Max. Aperture Ratio	
Angular Field of View	
Lens Type	
Mount Type	
Focus Control	
Min. Object Distance	
Optional Lens	

Pan / Tilt / Rotate	SLA-M2890DN
Pan / Tilt / Rotate Range	
Pan Range	
Pan Speed	
Tilt Range	
Tilt Speed	
Rotate Range	
Sequence	
Preset Accuracy	

Operational	SLA-M2890DN
Camera Title	
Direction Indicator	
Day & Night	
Backlight Compensation	
Wide Dynamic Range	
Digital Noise Reduction	
Digital Image Stabilization	
Defog	
Motion Detection	
Privacy Masking	
Gain Control	
White Balance	
LDC	
Electronic Shutter Speed	
Digital PTZ	
Video Rotation	
Analytics	
Business Intelligence	
Serial Interface	
Alarm I/O	
Alarm Triggers	
Alarm Events	
Audio Streaming	
Audio In	
Audio Out	
IR Viewable Length	
IR Illuminator (Optional)	
IR Radiation angle	
IR LED	

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.

IR Wavelength	
IR Operation	
Water Removal	
Auto Tracking	
Coaxial Protocol	
Color Palettes	

Mechanical	SLA-M2890DN
Color / Material	
Product dimensions / weight	
RAL Code	
Product Dimensions / Weight	
Compatible Conduit hole / Gangbox	
Hanging Mount (Dome)	
Skin Cover	
Skin Cover (Dome)	
Weather Cap (Dome)	
Power Module	
Backbox	

Radiometry	SLA-M2890DN
Temperature Detect Range	
Temperature Accuracy	
Temperature Detection	
Additional	

Network	SLA-M2890DN
Ethernet	
Video Compression	
Audio Compression	
Smart Codec	
Video Quality Adjustment	
Bitrate Control	
Streaming	
Protocol	
SIP support (VoIP, Peer-to-peer, SIP/PBX integration)	
Security	
Application Programming Interface	

General	SLA-M2890DN
Webpage Language	
Web Viewer	
Edge Storage	
Memory	

Environmental & Electrical	SLA-M2890DN
Operating Temperature / Humidity	
Storage Temperature / Humidity	
Certification	
Input Voltage	
Power Consumption	

Certifications & Standards	SLA-M2890DN
Network	
EMC	
Safety	
Environment	
Video	

DORI (EN62676-4 standard)	SLA-M2890DN
Detect (25PPM/ 8PPF)	
Observe (63PPM/ 19PPF)	
Recognize (125PPM/ 38PPF)	
Identify (250PPM/ 76PPF)	

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.

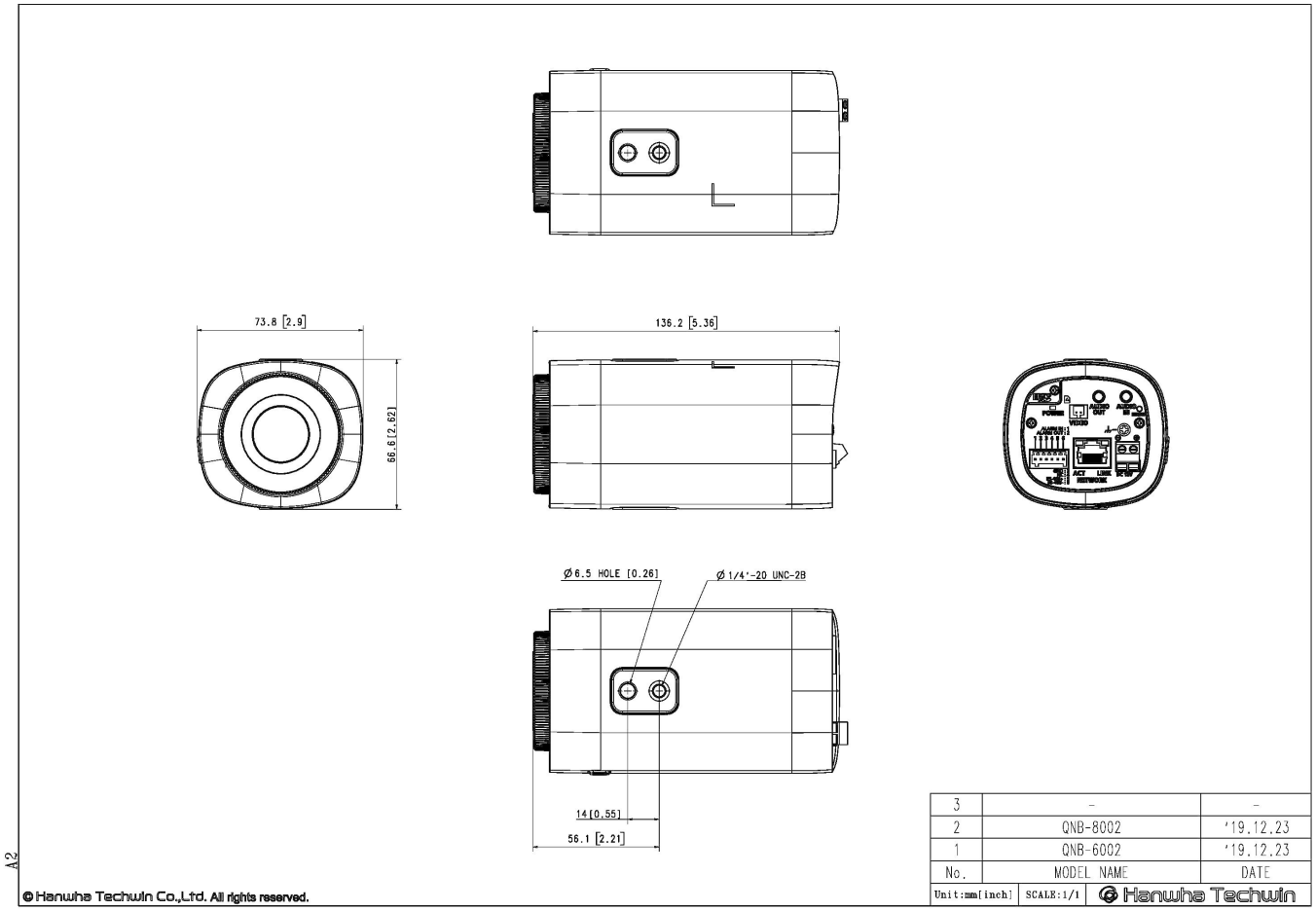
© Hanwha Vision CO., LTD. All rights reserved.

QNB-8002

5MP Box Camera

CAD

Unit:mm [inch]



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.