



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-4200



SHB-4301HP



SHB-4200H



SHB-4300H1



STB-4150V

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## Specifications

### Video

<b>Imaging Device</b>	1/2.8" 5MP CMOS
<b>Resolution</b>	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
<b>Max. Framerate</b>	H.265/H.264: Max. 30fps/25fps(60Hz/50Hz) MJPEG: Max. 15fps/12fps(60Hz/50Hz)
<b>Min. Illumination</b>	Color: 0.07Lux(F1.2, 1/30sec) B/W : 0.007Lux(F1.2, 1/30sec)
<b>Video Out</b>	CVBS: 1.0 Vp-p / 75Ω composite, 720x480(N), 720x576(P) for installation

### Lens

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

### Operational

<b>Camera Title</b>	Displayed up to 85 characters
<b>Day &amp; Night</b>	Auto(ICR)
<b>Backlight Compensation</b>	BLC, WDR, SDDR
<b>Wide Dynamic Range</b>	120dB
<b>Digital Noise Reduction</b>	SSNR
<b>Motion Detection</b>	4ea, polygonal zones
<b>Privacy Masking</b>	6ea, rectangular zones
<b>Gain Control</b>	Low / Middle / High
<b>White Balance</b>	ATW / AWC / Manual / Indoor / Outdoor
<b>LDC</b>	Support
<b>Electronic Shutter Speed</b>	Minimum / Maximum / Anti flicker (1/5~1/12,000sec)
<b>Video Rotation</b>	Flip, Mirror, Hallway view(90°/270°)
<b>Analytics</b>	Defocus detection, Directional detection, Motion detection, Enter/Exit, Tampering, Virtual line
<b>Serial Interface</b>	RS-485(Samsung-T, Pelco-D/P, Panasonic, Bosch, AD, GE, Vicon, Honeywell)
<b>Alarm I/O</b>	Input 1ea / Output 1ea
<b>Alarm Triggers</b>	Analytics, Network disconnect, Alarm input
<b>Alarm Events</b>	File upload via FTP and e-mail Notification via e-mail SD/SDHC/SDXC or NAS recording at event triggers Alarm output
<b>Audio In</b>	Line-in Supply voltage: 2.5VDC(4mA), Input impedance: 2K Ohm
<b>Audio Out</b>	Line-out 1Vrms

### Network

<b>Ethernet</b>	RJ-45(10/100BASE-T)
<b>Video Compression</b>	H.265/H.264: Main/High, MJPEG

<b>Audio Compression</b>	G.711 u-law /G.726 Selectable G.726(ADPCM) 8KHz, G.711 8KHz G.726: 16Kbps, 24Kbps, 32Kbps, 40Kbps
<b>Smart Codec</b>	WiseStream II
<b>Bitrate Control</b>	H.264/H.265: CBR or VBR MJPEG: VBR
<b>Streaming</b>	Unicast(6 users) / Multicast Multiple streaming(Up to 3 profiles)
<b>Protocol</b>	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
<b>Security</b>	HTTPS(SSL) Login Authentication Digest Login Authentication IP Address Filtering User access log 802.1X Authentication(EAP-TLS, EAP-LEAP) Device Certificate(Hanwha Techwin Root CA)
<b>Application Programming Interface</b>	ONVIF Profile S/G/T SUNAPI(HTTP API) Wisenet open platform

## General

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

## Environmental & Electrical

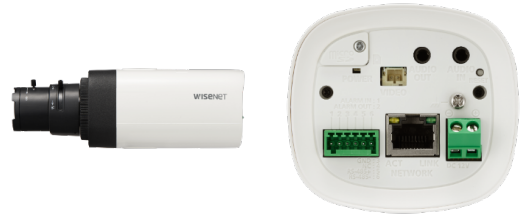
<b>Operating Temperature / Humidity</b>	-10°C ~ +55°C (-14°F ~ +131°F) / Less than 90% RH
<b>Storage Temperature / Humidity</b>	-30°C ~ +60°C (-22°F ~ +140°F) / Less than 90% RH
<b>Input Voltage</b>	PoE(IEEE802.3af, Class3), 12VDC
<b>Power Consumption</b>	PoE: Max 6.4W, Typical 4.6W 12VDC: Max 5.8W,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

## Mechanical

<b>Color / Material</b>	Black, Ivory / Plastic
<b>Product Dimensions / Weight</b>	73.8(W)x66.6(H)x136.2(D)mm(2.9x2.6x5.4"), 320g(0.71 lb)

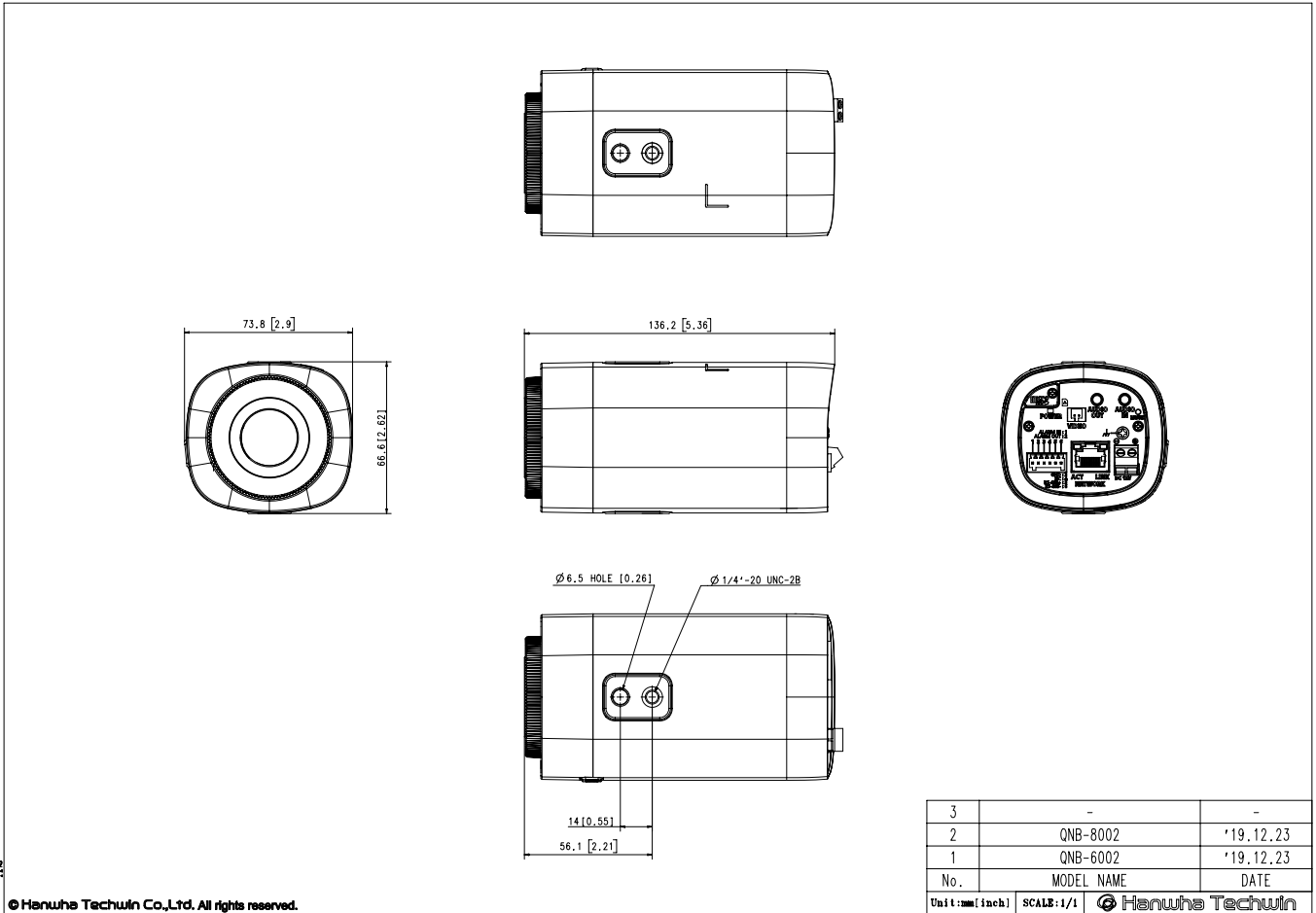
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CAD

Unit: mm [inch]



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