Hanwha Vision

Network   Dome

QND-8080R

5M H.265 IR Dome Camera

Key Features

- Max. 5Megapixel (2592 x 1944) resolution
- 2.7~12mm(4.4x) motorized varifocal lens
- 0.15Lux (Color), 0Lux (B/W, IR LED on)
- H.265, H.264, MJPEG codec support, Multiple streaming
- Day&Night (ICR), WDR (120dB)
- Tampering, Motion detection, Defocus detection
- Micro SD / SDHC / SDXC memory slot (Max. 128GB)
- Hallway view, WiseStream II support
- IR Viewable length 20m (65.62ft)

Compatible Accessories (Optional)

SHD-1198FW	SBP-120WMW	SBP-300LMW	SBP-300WMW1	SBP-300KMW	SBP-300BW	SBP-122HMW

SBP-300PMW	SPB-INW73	SBP-300WMW	SBP-300NBW	SBP-300CMW

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Specifications

Video

Imaging Device	1/2.8" 5MP 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@2fps, 2MP@4fps)
Min. Illumination	Color: 0.15Lux(F1.6, 1/30sec) BW: 0Lux(IR LED on)
Video Out	CVBS: 1.0 Vp-p / 75Ω composite, 720x480(N), 720x576(P) for installation

Lens

Focal Length (Zoom Ratio)	2.7~12mm(4.4x) Motorized varifocal
Max. Aperture Ratio	F1.6(Wide)~F2.9(Tele)
Angular Field of View	H: 100.3°(Wide)~31.2°(Tele) / V: 72.3°(Wide)~23.5°(Tele) / D: 133.1°(Wide)~38.8°(Tele)
Focus Control	Simple focus
Lens Type	DC auto iris

Pan / Tilt / Rotate

Pan / Tilt / Rotate Range	0-~350- / 0-~70- / 0-~355-

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	Defocus detection, Directional detection, Motion detection, Enter/Exit, Tampering, Virtual line
Alarm I/O	Input 1ea / Output 1ea
Alarm Triggers	Analytics, Network disconnect, Alarm input

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Alarm events	File upload via FTP and e-mail Notification via e-mail SD/SDHC/SDXC or NAS recording at event triggers Alarm output
IR Viewable Length	20m(65.62ft)

Network

Ethernet	RJ-45(10/100BASE-T)
Video Compression	H.265/H.264: Main/High, MJPEG
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
Security	HTTPS(SSL) Login Authentication Digest Login Authentication IP Address Filtering User access log 802.1X Authentication(EAP-TLS, EAP-LEAP)
Application Programming Interface	ONVIF Profile S/G/T SUNAPI(HTTP API) Wisenet open platform

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~+60°C (+14°F~+140°F) (MAX) / Less than 95%RH(non-condensing)
Storage Temperature / Humidity	-30°C ~ +60°C(-22°F ~ +140°F) / Less than 90% RH
Input Voltage	PoE(IEEE802.3af, Class3)
Power Consumption	PoE: Max 8.90W, typical 6.60W

Mechanical

Color / Material	White / Plastic, Aluminum
RAL Code	RAL9003
Product Dimensions / Weight	Ø120.3x102.0mm(Ø4.74x4.02"), 430g(0.95 lb)
Hanging Mount (Dome)	SBP-122HMW

DORI (EN62676-4 standard)

Detect (25PPM/ 8PPF)	Wide: 43.3m(141.94ft) / Tele: 185.7m(609.09ft)
Observe (63PPM/ 19PPF)	Wide: 17.3m(56.78ft) / Tele: 74.3m(243.64ft)
Recognize (125PPM/ 38PPF)	Wide: 8.7m(28.39ft) / Tele: 37.1m(121.82ft)
Identify (250PPM/ 76PPF)	Wide: 4.3m(14.19ft) / Tele: 18.6m(60.91ft)

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QND-8080R

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CAD

Unit:mm [inch]

QND-8080R
UNIT : mm[inch]

Ø 89 [3.5]
102 [4.02]
56.9 [2.24]
Ø 120.3 [4.74]

2- Ø 5HOLE
96.1 [3.75]