Hanwha Vision



Network | Fisheye

QNF-8010

Q Series 6 MP Sensor 360° Indoor Fisheye Camera

Key Features

- 6 MP image sensor, 2048 x 2048 resolution output, 30fps
- Fisheye lens 1.14mm (187°X187°)
- Original fisheye view, onboard dewarping to Single panorama, Double panorama, Quad view
- Lens rotation & analog video output for easy installation and adjustment
- Triple Codec: H.265, H.264 and MJPEG multiple streaming
- WiseStream II compression technology
- WDR 120dB
- Defocus, Tampering, motion detection
- Heatmap, people counting business intelligence
- SD card slot
- IP42 rated, PoE powered
- White camera body

Design and specifications are subject to change without notice. The latest product information / specification can be found at HanwhaVision.com
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Specifications

Video

Imaging Device	Size	1/1.8"
	Type	CMOS
Resolution		2048x2048, 2048x1536, 2048x1024, 2048x512, 1920x960, 1920x480, 1600x1200, 1280x1280, 1280x960, 1280x640, 1280x320, 1080x1080, 1024x768, 960x960, 800x600, 768x768, 720x720, 704x576, 704x352, 704x176, 640x640, 640x480, 640x320, 640x160, 480x480
Max. Framerate	H.265/H.264	30fps/25fps(60Hz/50Hz)
	MJPEG	15fps
Min. Illumination (Lux)	Color(1/30sec, 30IRE)	0.2
	BW(1/30sec, 30IRE)	0.02
Video Out		CVBS: 1.0 Vp-p / 75Ω composite for installation

Lens

Focal Length (mm)		1.14
Max Aperture Ratio (F number)	Wide	2.5
Angular Field of View	Horizontal	187°
	Vertical	187°
	Diagonal	187°
Min. Object Distance		0.3m(0.98ft)

Operational

Day & Night		Auto(Electrical)
Backlight Compensation		BLC, HLC, WDR, SSDR
Wide Dynamic Range (dB)		120
Digital Noise Reduction		SSNR V
Motion Detection	Quantity	8ea
	Shape	8point Polygonal zones
Privacy Masking	Quantity	6ea
	Shape	Rectangular zones
	Color / Option	Gray, Green, Red, Blue, Black, White, Mosaic

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Operational

Gain Control		Low, Middle, High
White Balance		ATW, AWC, Manual, Indoor, Outdoor
Electronic Shutter	Mode	Minimum, Maximum, Anti flicker
	Speed Range	2~1/12,000sec
Digital PTZ		Support
Video Rotation		Flip, Mirror
Alarm Triggers		Analytics, Network disconnect
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

Analytics

Analytics Events	Normal	Defocus detection, Motion detection, Tampering
Business Intelligence	Normal	People counting, Heatmap

Network

Ethernet		RJ-45(10/100BASE-T)
Video Compression		H.265: Main, H.264: Main/Baseline/High,MJPEG
Smart Codec		WiseStream II
Bitrate Control		H.265/H.264: CBR or VBR, MJPEG: VBR
Streaming	Unicast	Up to 6 users
	Multicast	Support
	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, IGMPv2, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS, UPnP, Bonjour, PIM-SM
Application Programming Interface	ONVIF	S, G, T
	Others	SUNAPI(HTTP API), Hanwha Vision Open Platform
Direct Cloud Connection		Optional (needs gateway)

Security

OS / Firmware Protect	Encrypted firmware
User authentication	Digest authentication
Network authentication	IEEE 802.1X(EAP-TLS, EAP-LEAP)
Secure Communication	HTTPS
Access Control	IP-based access control
Audit	Access / System / Event Log management

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General

Memory	RAM	1GB
	Flash	256MB
Edge Storage	Micro SD/SDHC/SDXC	Max. 256GB x 1slot

Environmental & Electrical

Operating Condition	Temperature	-10°C~+55°C(+14°F~+131°F)
	Humidity	0~90% RH(non-condensing)
Storage Condition	Temperature	-50°C~+60°C(-58°F~+140°F)
	Humidity	0~90% RH(non-condensing)
Input Voltage		PoE(IEEE802.3af, Class3)
Power Consumption	PoE	Max 6.4W, typical 4.6W

Mechanical

Color	White
Material	Plastic
RAL Code	RAL9003
Product Dimensions	Ø99x49mm(Ø3.9x1.93")
Product Weight	320g(0.705lb)

Certifications & Standards

Environment	IEC 60529 IP42

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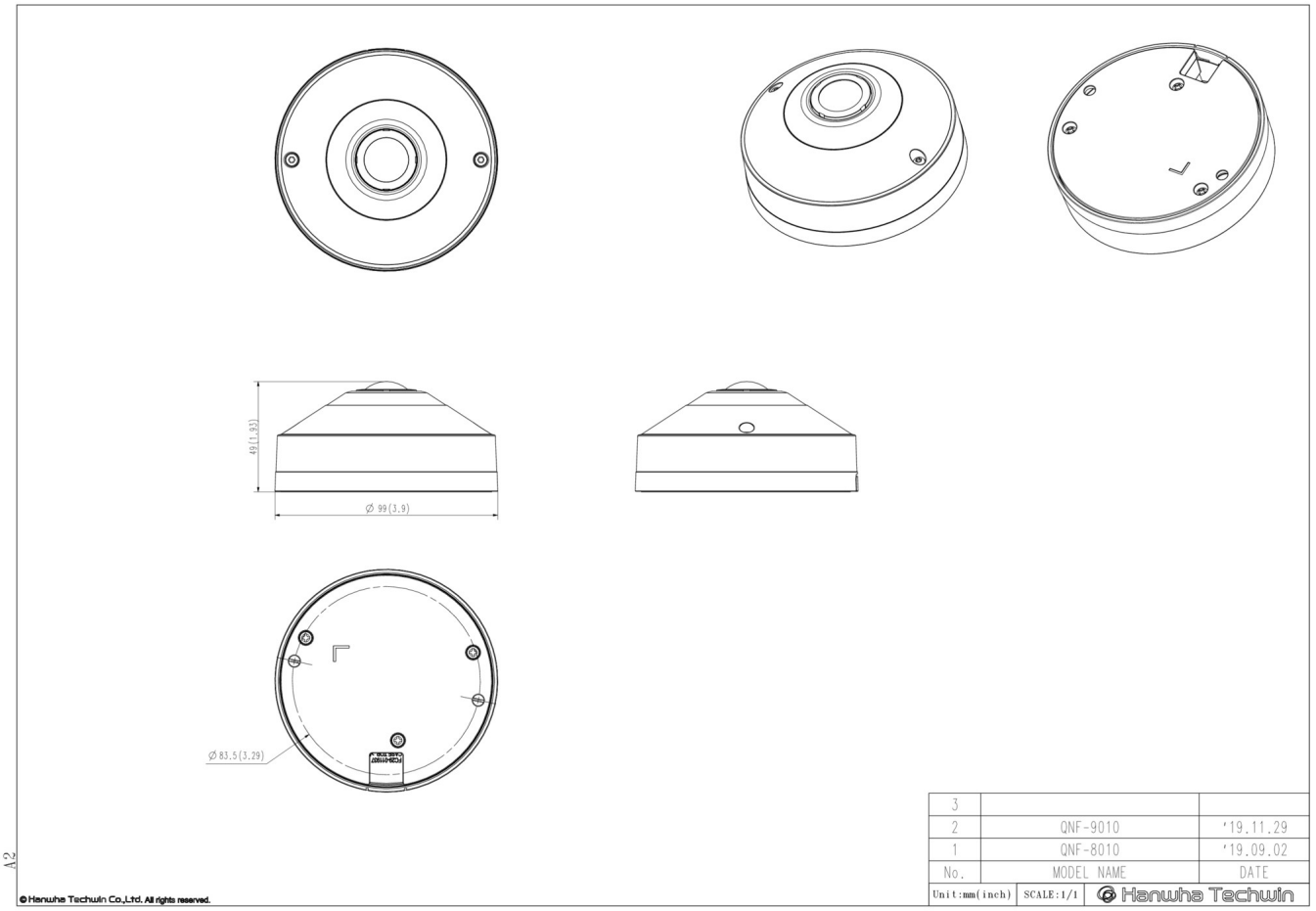
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CAD

Unit: mm [inch]



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