



Network

Fisheye

# QNF-8010

6MP Fisheye Camera



## Key Features

- Max. 30fps@2048 x 2048
- H.265, H.264, MJPEG codec
- Original fisheye view, Single panorama, Double panorama, Quad view
- WDR 120dB, WiseStreamII
- Digital PTZ
- People counting, Heatmap
- Micro SD/SDHC/SDXC 1slot 256 GB, PoE

## Compatible Devices



SBP-300LMW



SBP-300MMW1



SBP-300KMW



SBP-300BW



SBP-300PMW



SBP-300MMW



SBP-300NBW



SBP-300CMW

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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, SDR	
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

## 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/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, IGMP, 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

## 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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**CAD**

Unit: mm [inch]

