

MR-H108/H038

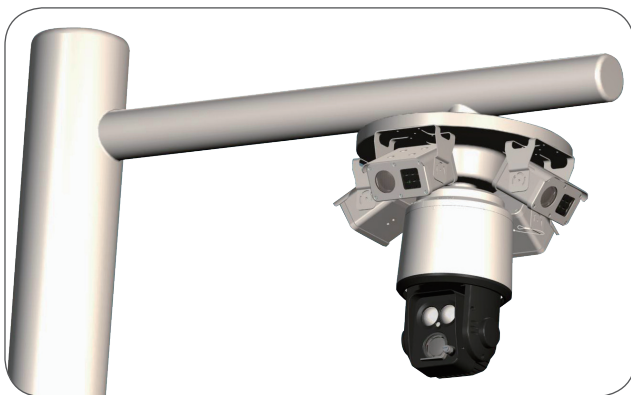
2MP 10x, 3x Zoom Special IR Camera



Features

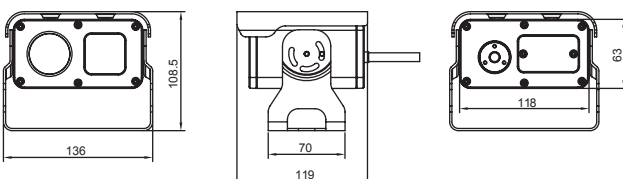
- 1/3" 2MP Panasonic CMOS sensor
- NETWORK, CVBS
- 10x Optical Zoom(5.1~51mm) & 32x Digital Zoom
- 3x Optical Zoom(3~9mm) & 32x Digital Zoom
- IR LED 9pcs(Up to 100m)
- Real-time True WDR
- Digital Noise Reduction(2D+3D)
- Digital Slow Shutter
- Digital Image Stabilization
- Privacy Mask Function
- High Light Compensation
- Defog Function
- ACE(Digital WDR)
- Motion Detection
- IPv4, IPv6 support
- H.265, H.264, MJPEG video compression
- Less than 200ms latency with 2MP video streaming
- Edge storage up to 64GB
- Bi-directional audio support

Installation Guide



Dimensions

Unit : mm



MODEL	MR-H108	MR-H038
CAMERA		
Image Sensor	1/3" Panasonic CMOS Sensor	
Total Pixels	1956 (H) x 1266 (V) = 2.48M Pixels	
Active Pixels	1944 (H) x 1092 (V) = 2.12M Pixels	
Video Format	1080p@30/25fps, 720p@60/50fps, 720p@30/25fps	
Min. Illumination	Color	0.5 lux / DSS 0.125 lux
	BW	0.1lux / DSS 0.025 lux
	IR-LED	0 lux
S/N Ratio	more than 50dB (AGC off)	
Video Output	NETWORK, CVBS	

LENS	10x	3x
Lens Type	10x Day & Night Zoom Lens	3x Day & Night Zoom Lens
Zoom Ratio	Optical 10x, Digital 32x Zoom	Optical 3x, Digital 32x Zoom
Focal Length	f = 5.1mm ~ 51mm	f = 3mm ~ 9mm
Aperture Ratio	F1.6 (wide) ~ F1.8 (tele)	F1.3 (wide) ~ F2.2 (tele)
Angle Of View (D, H, V)	WIDE	68° 54° 31° 119.0° 93.0° 68.3°
	TELE	6.7° 4.9° 4.0° 39.6° 31.7° 23.8°

CAMERA FUNCTIONS	
Camera Title	ID / Title / Zoom Ratio / System Message
Day & Night	Auto / Day / Night / Ext-in
WDR/BLC	OFF / WDR / BLC / HLC
ACE	Off / Low / Middle / High
DNR	Auto / Off / Low / Middle / High
Defog	Off / On(Auto / Manual)
Image Stabilization	Off / On
Motion Detection	Off / On (3 positions)
Privacy Mask	Off / On (24 positions)
Digital Slow Shutter	Off / x2 / x4
Gain Control	Off / On
White Balance	Auto / One Push / Manual / Indoor / Outdoor
Shutter Speed	1/30(25) ~ 1/30,000 sec
E.Zoom	Off / x2 ~ x32
Digital Flip	Off / H / V / H&V
Digital I/O	1 input / 2 output
Remote Control Interface	RS-422, 485
Protocol	Pelco-D / Pelco-P / WONWOO

NETWORK	
Ethernet	RJ-45 (10/100BASE-T)
Video Compression	H.265, H.264, MJPEG
Resolution	1920x1080, 1280x720, 1024x576, 640x360, D1, 4CIF, VGA, CIF, QVGA
bit rate	32Kbps~8Mbps (CBR/VBR Support)
Max. frame rate	30fps@1920x1080
Streaming Capability	Supports up to Triple streams
Audio In / Out	Mic In / Audio Out
Audio Compression	G.711
Audio Communication	Bi-directional audio
Protocol	TCP, UDP, IP, HTTP, DHCP, DNS, ICMP, ARP, IPv4 / IPv6, DDNS, NTP, SNMP, Syslog, UPnP, Bonjour, ZeroConf, RTP/RTSP, Onvif, Genetec Protocol
Storage	SDXC (up to 64GB, MicroSD)
Security	MD5 Password / iptables (firewall) / SSL
Webpage Language	Korean, English
Web Viewer	IE8.0 or above, Microsoft Edge, Firefox, Google Chrome, Apple Safari

GENERAL	
Power Source	AC24V / DC12V
Power Consumption	1.5A(AC24V) / 2A(DC12V)
Operating Temperature	-20°C~50°C / 90% RH
Ingress Protection	IP67/IK10
Material	Aluminum / PC
Dimensions	118(W) x 63(H) X 119(D)
Weight	1.12Kg