

MR-H108/H038

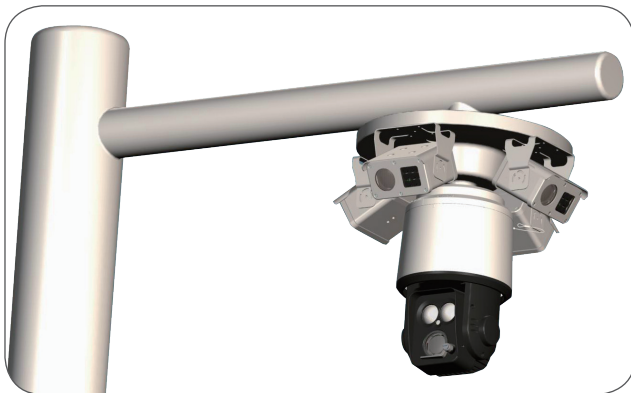
2MP x10, x3 Zoom Special IR Camera



Features

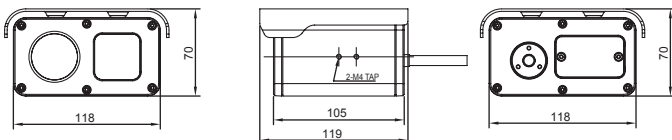
- 1/3" 2MP Panasonic CMOS sensor
- 1080p 30fps, 720p 60fps
- NETWORK, CVBS
- x10 Optical Zoom(5.1~51mm) & x32 Digital Zoom
- x3 Optical Zoom(3~9mm) & x32 Digital Zoom
- H.264, MPEG-4, MJPEG(Triple Stream & Multi-Codec)
- IR LED 9pcs(Up to 100m)
- Real-time True WDR
- Digital Noise Reduction(2D+3D)
- Digital Slow Shutter
- Digital Image Stabilizer
- Privacy Mask Function
- High Light Compensation
- Defog Function
- ACE(Digital WDR)
- Motion Detection
- IPv4, IPv6 Support
- ONVIF compliant API
- Industry leading latency of 200ms/2Mpix Bandwidth adaptive video streaming
- Dynamic IP support
- SD/SDHC memory slot
- Bi-directional audio support

Installation Guide



Dimensions

Unit : mm



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
Scanning System	Progressive Scan
Resolution	Digital : 1080p/30(25)fps, 720p/60(50)fps, 720p/30(25)fps
Min. Illumination	Color : 0.5 lux , BW : 0.1lux Color DSS : 0.125 lux , BW DSS : 0.025 lux
S/N Ratio	more than 50dB (AGC off)
Video Output	NETWORK, CVBS

LENS	x10			x3			
Lens Type	x10 Day & Night Zoom Lens			x3 Day & Night Zoom Lens			
Zoom Ratio	Optical x10, Digital x32 Zoom			Optical x3, Digital x32 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)
Digital Image Stabilizer	Off / On
Motion Detection	Off / On (3 positions)
Privacy Mask	Off / On (24 positions)
Digital Slow Shutter	Off /x2 /x4 (/ x8 : 60 or 50fps mode only)
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
Protocol	Pelco-D / Pelco- P / WONWOO

NETWORK	
Ethernet	RJ-45 (10/100BASE-T)
Video Compression Format	H.264, MPEG-4, MJPEG
Resolution	1920x1080, 1280x960, 1280x720, 1024x768, 800x600, 720x576, 640x480, 320x240
Streaming Capability	Triple streaming
Alarm	In 1ch / Out 1ch
Audio In / Out	Mic In / Audio Out
Audio Compression Format	G.711 u-law
Audio Communication	Bi-directional audio
IP	IPv4, IPv6
Protocol	TCP/IP, UDP/IP, RTP(UDP), RTP(TCP), RTCP, RTSP, NTP, HTTP, HTTPS, SSL, DHCP, PPPoE, FTP, SMTP, ICMP, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS
Edge Storage	Micro SD
ONVIF	ONVIF
Webpage Language	Korean, English
Web Viewer	WindowsXP/VISTA/MAC OS X Microsoft Internet Explorer, Firefox, GoogleChrome, 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 70(H) X 119(D)
Weight	1.03Kg(MR-H108), 0.98Kg(MR-H038)