

MMK-H208

2MP 20x Zoom Hybrid(Network+HD-SDI) Motorized Zoom IR PTZ Camera

HD-SDI
ONVIF

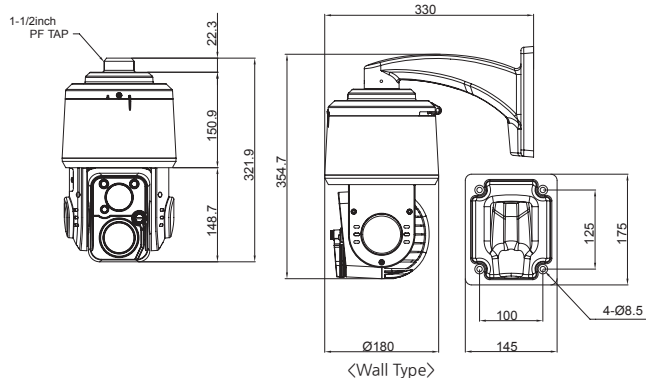


Features

- 2MP High Resolution Video output
- NETWORK, HD-SDI, CVBS
- 20x Optical Zoom(5.2mm~104mm) & 32x Digital Zoom
- Day & Night(ICR)
- Real-time True WDR
- Digital Noise Reduction(2D+3D)
- Digital Image Stabilization
- Privacy Mask Function
- High Light Compensation
- Defog Function
- 255 Presets, 8 Tours, 8 Scans, 4 Patterns
- 360° Endless Panning and -8° Tilting
- Motorized IR-LED that controls light angle according to zoom module.
- IR Distance up to 150m
- Outdoor PTZ design (Fan & Heater) considering -40℃~60℃ environment
- Easy-to-install PTZ mechanisms
- Dual housing structure
(External : PC housing to prevent corrosion, Internal : Aluminium Diecasting)
- IP66 (Dust/Water), IK10
- Memory Backup of Position of Pan/Tilt, Preset, ID and PTZ setting values
- Built-in Wiper
- 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

Dimensions

Unit : mm



GENERAL	
Power Source	AC21~26V 60Hz / 50Hz(Power adaptor not included)
Power Consumption	Operation(2A) / Max 3A
Operating Temperature	-40°C ~ +60°C / 0% ~ 90% RH
Ingress Protection	IP66, IK10
Material	Aluminum
Dimensions	180(Ø) x 321.9(H) mm
Weight	4.18Kg

MODEL		MMK-H208	
CAMERA			
Image Sensor		1/2.8" Sony Starvis CMOS Sensor	
Total Pixels		1945 (H) x 1109 (V) = 2.16M pixels	
Active Pixels		1937 (H) x 1097 (V) = 2.12M pixels	
Video Format		1080p@30/25fps, 720p@60/50fps, 720p@30/25fps	
Min. Illumination	Color	0.01 lux, DSS : 0.001 lux	
	BW	0.001lux, DSS : 0.0001 lux	
	IR-LED	0 lux	
S/N Ratio		more than 50dB (AGC off)	
Video Output		NETWORK, HD-SDI	

LENS		20x		
Lens Type		20x Day & Night Zoom Lens		
Zoom Ratio		Optical 20x, Digital 32x Zoom		
Focal Length		f = 5.2 mm ~ 104 mm		
Aperture Ratio		F1.5 (wide) ~ F3.5 (tele)		
Angle Of View (D, H, V)	WIDE	63.2°	56.4°	33.5°
	TELE	3.5°	3.1°	1.7°

PAN / TILT	
Pan	360°Continuous Pan, 0.1° to 120°/sec (proportional to zoom)
Pan Speed	250°/sec, ± 0.1° Accuracy
Tilt	-8°(352°) to 188° movement, 0.1°~80°/sec (proportional to zoom)
Tilt Speed	250°/sec, ± 0.05° Accuracy
Preset	255 points, less than 0.1° accuracy

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
Privacy Mask	Off / On (24 positions)
Digital Slow Shutter	Off / x2 / x4 / x8 / x16 / x32
Gain Control	0 ~ 10 steps
White Balance	Auto / One Push / Manual / Indoor / Outdoor
Shutter Speed	1/30(25) ~ 1/60,000 sec
E.Zoom	Off / x2 ~ x32
Digital Flip	Off / H / V / H&V
Digital I/O	4 alarm / 2 relay out
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