

1/2" High Sensitivity Camera

WMK-HS309/HS308

2MP 30x Zoom Hybrid(Network+HD-SDI) Twin Motorized Zoom IR PTZ Camera

HD-SDI

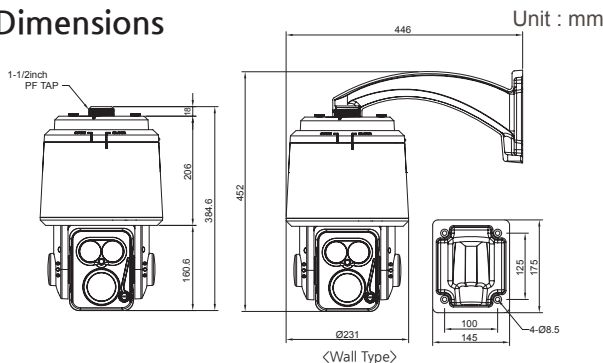
ONVIF



Features

- 1/2" 2MP Sony CMOS sensor
- NETWORK, HD-SDI, CVBS
- 30x Optical Zoom(6 ~ 180mm) & 32x Digital Zoom
- Day & Night(ICR)
- Real-time True WDR(DOL WDR : WMK-HS309)
- 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
- Twin motorized IR-LED that controls light angle according to zoom module
- IR Distance up to 350m
- Outdoor PTZ design (Fan & Heater) considering -40°C~60°C 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
- Goretex valve for moisture prevention and internal air control
- IPv4, IPv6 Support
- Triple stream, Multicast
- H.265, H.264, MJPEG video compression
- ONVIF compatibility
- Less than 200ms latency with 2MP video streaming
- Dynamic IP support
- Edge storage up to 64GB
- Bi-directional audio support

Dimensions



GENERAL	
Power Source	AC21~26V 60Hz / 50Hz(Power adaptor not included)
Power Consumption	Operation(5A) / Max 6A
Operating Temperature	-40°C ~ +60°C / 0% ~ 90% RH
Ingress Protection	IP66
Material	Aluminum
Dimensions	231(Ø) x 385(H) mm
Weight	6.8Kg

MODEL		WMK-HS309	WMK-HS308
CAMERA			
Image Sensor		1/2" Sony CMOS Sensor	
Total Pixels		1952(H) x 1113(V) = 2.17M Pixels	1952(H) x 1241(V) = 2.42M Pixels
Active Pixels		1937(H) x 1097(V) = 2.12M Pixels	1937(H) x 1097 (V) = 2.12M Pixels
Video Format		1080p@60/50fps, 1080i@60/50fps, 1080p@30/25fps, 720p@60/50fps, 720p@30/25fps	1080p@30/25fps, 720p@60/50fps, 720p@30/25fps
Min. Illumination	Color	0.01 lux / DSS 0.001 lux	0.15 lux / DSS 0.0375 lux
	BW	0.002 lux / DSS 0.0002 lux	0.01lux / DSS 0.002 lux
	IR-LED	0 lux	0 lux
S/N Ratio		more than 50dB (AGC off)	
Video Output		NETWORK, HD-SDI, CVBS	

LENS		30x		
Lens Type		30x Day & Night Zoom Lens		
Zoom Ratio		Optical 30x, Digital 32x Zoom		
Focal Length		f = 6.0 mm ~ 180.0 mm		
Aperture Ratio		F1.5 (wide) ~ F4.3 (tele)		
Angle Of View (D, H, V)	WIDE	68.6°	61.2°	35.7°
	TELE	2.65°	2.32°	1.31°

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 90° movement, 0.8°~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	Off /x2 /x4
Gain Control	0 ~ 10 steps	Off / On
White Balance	Auto / One Push / Manual / Indoor / Outdoor	
Shutter Speed	1/30(25) ~ 1/60,000 sec	1/30(25) ~ 1/30,000 sec
E.Zoom	Off / x2 ~ x32	
Digital Flip	Off / H / V / H&V	
Digital I/O	8 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	60fps@1920x1080 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 support (up to 64GB, MicroSD), SD card included (up to 64GB)
Security	MD5 Password / iptables (firewall) / SSL
Webpage Language	Korean, English
Web Viewer	IE8.0 or above, Microsoft Edge, Firefox, Google Chrome, Apple Safari