



16MP 360° Surround View Outdoor IP Camera ZN1A-MS4E

Features:

- 4x 4MP (16MP) 1/3" Progressive scan sensor
- 4MP at 30fps per sensor
- 2.8mm, 4mm, 6mm and 8mm lens module options
- Flexible positioning for four camera heads
- Easy position setting by a magnet
- One IP address for four cameras
- True Day/Night and True WDR
- IP66 rated for outdoor performance

ZN1A-MS4E

16MP 360° Surround View IP Camera

■ Specifications

MODELS		
Camera	ZN1A-MS4E	Enclosure with 4x 4MP Cameras (no lenses)
Lens Module Options	ZN1A-MSL-28 - 2.8mm lens module	ZN1A-MSL-60 - 6.0mm lens module
	ZN1A-MSL-40 - 4.0mm lens module	ZN1A-MSL-80 - 8.0mm lens module
Image Sensor	4 x 4MP 1/3" Progressive scan sensor	
Effective Pixels	2688(H) x 1520(V) per sensor	
Scanning System	Progressive scanning	
AGC Control	Auto	
Iris Type	Auto Exposure	
Minimum Illumination	0.41 Lux, F2.0	
Angle of View	2.8mm D 104°, H 90°, V 55°	
	4mm (F2.0) - D 101°, H 81°, V 43°	
	6mm (F2.0) - D 59°, H 51°, V 29°	
	8mm (F2.0) - D 44°, H 39°, V 22°	
Shutter Time	Auto / Manual: 1/30 ~ 1/32,000, Anti-Flicker, Slow Shutter (1~1/5, 1/7.5, 1/10)	
Day/Night Performance	True Day & Night (Removable IR-cut filter)	
Wide Dynamic Range	True WDR (2x, 3x), 120 dB or above	
S/N Ratio	50 dB	
Video Compression	H.264, MJPEG	
H.264 Profile	BP / MP / HP	
Multiple Profile Streaming Performance	For each sensor - 1st : H.264, 1440p, 30fps / 2nd : H.264, VGA, 30fps / 3rd : MJPEG, SVGA, 10fps	
Support Resolution	H.264 : 1440p/1080p/720p/VGA/D1/CIF/ MJPEG : 800x600/VGA/768x432/D1/CIF	
Video Bit Rate	100Kbps ~ 10Mbps, Multi-rate for Preview and Recording	
Bitrate Control	Multi Streaming CBR/VBR at H.264 (Controllable frame rate and Bandwidth)	
Digital Noise Reduction	3D-DNR	
Privacy Mask	16 programmable zones per sensor	
Smart AVC	Supported (Advanced Video Coding)	
Dynamic Region of Interest	Supported	
Other Image Processing	Configurable Exposure, White Balance, Sharpness	
Analog Output	1 (Installation only), CVBS 1.0V p-p (75 Ω), 4:3 aspect ratio, Sensors selectable	
Audio Compression	G.711	
Audio input / output	1 / 1 (Master In/Out)	
Event Trigger	Motion, Alarm, Temperature critical	
Pre-Post Recording	Pre: 1~5 sec / Post: 1~240 sec	
Event Notification	FTP, E-mail, Alarm-out, SD card	
Ethernet Standard	10 / 100 Base-T	
IP	IPv4, IPv6	
Protocol	Zero configuration (Auto IP) ONVIF, TCP/IP, UDP, RTP (UDP/TCP), RTSP, NTP, HTTP, HTTPS, SSL, DNS, DDNS, DHCP, FTP, SMTP, ICMP, SNMPv1/v2c/v3 (MIB-2)	
Security	HTTPS (SSL), IP Filtering, Digest Authentication (ID / PW), IEEE802.1X	
Plug In	ONVIF Profile S, CGI API	
Material	Aluminum Die-casting	
External I/O Terminals	1 x Alarm In / 1 x Alarm Out	
Power Source / Consumption	12VDC, PoE+ / max 18W at DC12V	
Operating Conditions	-4°F ~ 12°F / -20°C ~ 50°C / Humidity 10 ~ 90% RH (non-condensing)	
Edge Storage	4 x microSD / microSDHC / microSDXC (card not included)	
Weight	4.4 lb 2.0 kg	
Dimensions (W x H)	7.5 ø x 3.5" (190mm ø x 90mm)	
Certifications	FCC, CE, ROHS, IP66, ONVIF Profile S	

Specifications are subject to change without notice.

*Does not include analytic options