



NC-FW8-M2A/W3R3(L2)

Key features: 8MP fixed lens wedge network camera, 2 pcs built-in microphones, 30m infrared light and 30m white light supplements

Camera	
Model	NC-FW8-M2A/W3R3(L2)
Product Name	8MP Fixed Lens Wedge Network Camera
Image Sensor	1/2.8" Progressive Scan CMOS
Resolution	3840(H) × 2160(V)
Min. Illumination	Color: 0.005 Lux @ (F1.6, AGC ON), B/W: 0 Lux with light
Shutter Time	1/3 s to 1/100,000 s
Day & Night	IR Cut Filter
Angle Adjustment	Pan: -30° to 30°, Tilt: 0° to 75°, Rotation: 0° to 360°
Lens	
Lens Type	Fixed focal lens, 2.8 mm, 4.0 mm available
Field of View	2.8 mm, horizontal FOV 108°, vertical FOV 59°, diagonal FOV 127° 4.0 mm, horizontal FOV 88°, vertical FOV 44°, diagonal FOV 105°
Lens Mount	M12
Iris Type	Fixed
Aperture	F1.6
Depth of Field	2.8mm: 1.7m to ∞ 4.0mm: 2.6m to ∞
DORI	
DORI	2.8 mm: D: 84 m, O: 33 m, R: 16 m, I: 8 m 4.0 mm: D: 117 m, O: 46 m, R: 23 m, I: 11 m
Night Vision	
Supplement Light Type	IR light and white light
Supplement Light Range	Up to 98 ft (30 meters)
IR Wavelength	850nm
Video	



Product Datasheet

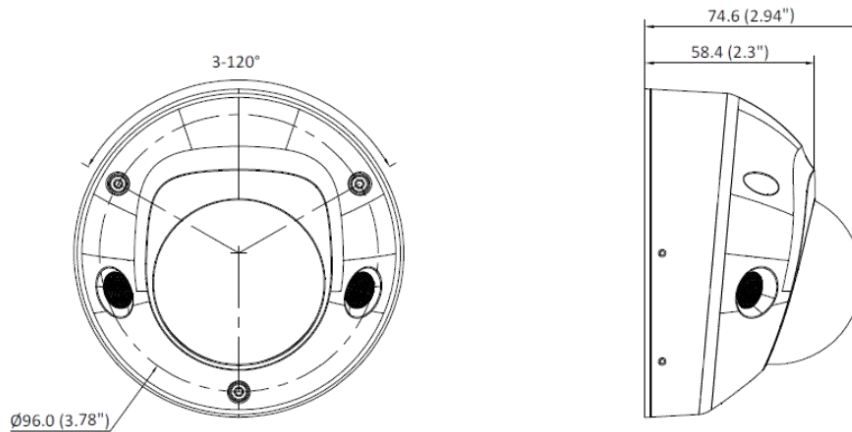
Main Stream	50 Hz: 20 fps (3840 × 2160) 25 fps (3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 20 fps (3840 × 2160) 25 fps (3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720)
Sub Stream	50 Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360) 60 Hz: 30 fps (1280 × 720, 640 × 480, 640 × 360)
Third Stream	50 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) 60 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) *Third stream is supported under certain settings.
Video Compression	Main stream: H.265+/H.265/H.264+/H.264; Sub-stream: H.265/H.264/MJPEG Third stream: H.265/H.264, * Third stream is supported under certain settings.
Video Bit Rate	32 Kbps to 16 Mbps
H.264 Type	Baseline Profile, Main Profile, High Profile
H.265 Type	Main Profile
Bit Rate Control	CBR, VBR
Region of Interest (ROI)	1 fixed region for main stream
Target Cropping	Yes
Audio	
Audio Type	Mono sound
Environment Noise Filtering	Yes
Audio Sampling Rate	8 kHz/16 kHz/32 kHz/48 kHz
Audio Compression	G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/AAC-LC
Audio Bit Rate	64 Kbps (G.711 ulaw)/64 Kbps (G.711 alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 160 Kbps (MP2L2)/16 to 64 Kbps (AAC-LC)
Network	
Security	Password protection, complicated password, HTTPS encryption, IP address filter, Security Audit Log, basic and digest authentication for HTTP/HTTPS, TLS 1.1/1.2/1.3, WSSE and digest authentication for Open Network Video Interface
Simultaneous Live View	Up to 6 channels
API	ONVIF (Profile S, Profile G),ISAPI,SDK,ISUP
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, UPnP, SMTP, IGMP, 802.1X, QoS, IPv4, IPv6, UDP, Bonjour, SSL/TLS, PPPoE, SNMP, WebSocket, WebSockets
User/Host	Up to 32 users, 3 user levels: Administrator/Operator/User
Web Browser	Plug-in required live view: IE 11, Plug-in free live view: Chrome 80+, Firefox 80+, Edge 89+, Safari 13+, Local service: Chrome 80+, Firefox 80+, Edge 89+, Safari 13+



Product Datasheet

Image	
Wide Dynamic Range (WDR)	120 dB
SNR	≥ 52 dB
Day/Night Switch	Day, Night, Auto, Schedule
Image Enhancement	BLC, HLC, 3D DNR
Image Settings	Rotate mode
Privacy Mask	8 programmable polygon privacy masks
Interface	
Ethernet Interface	1 RJ45 10 M/100 M self-adaptive Ethernet port
Factory Reset	Support
Expansion Slot	MicroSD/microSDHC/microSDXC card, up to 512 GB
Microphone	2 pcs built-in microphones
Speaker	N/A
Audio In/Out	Pigtail interface, 1/1
Alarm In/Out	Pigtail interface, 1/1
Event	
Basic Event	Motion detection (support alarm triggering by specified target types (human and vehicle)), video tampering alarm, exception
Smart Event	Face detection
Linkage	Upload to FTP/NAS/memory card, notify surveillance center, send email, trigger recording, trigger capture, trigger alarm output
Deep Learning Function	
Perimeter Protection	Line crossing, intrusion, support alarm triggering by specified target types (human and vehicle)
General	
Startup and Operating Conditions	-30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)
Storage Conditions	-30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)
Power Supply	PoE: IEEE 802.3af, Class 3, max. 8.0 W 12 VDC ± 25%, 0.54 A, max. 6.5 W, Ø 5.5 mm coaxial power plug, reverse polarity protection
Protection Level	IP67
Material	Base: metal, Cover: plastic
Dimension	Ø113.6 mm × 74.6 mm (Ø4.47" × 2.94")
Weight	Approx. 500 g (1.1 lb.)
Language	33 languages English, Russian, Estonian, Bulgarian, Hungarian, Greek, German, Italian, Czech, Slovak, French, Polish, Dutch, Portuguese, Spanish, Romanian, Danish, Swedish, Norwegian, Finnish, Croatian, Slovenian, Serbian, Turkish, Korean, Traditional Chinese, Thai, Vietnamese, Japanese, Latvian, Lithuanian, Portuguese (Brazil), Ukrainian

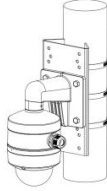
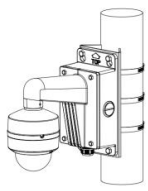
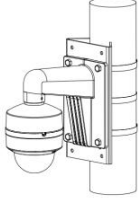
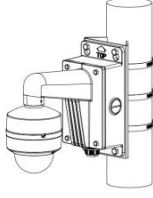
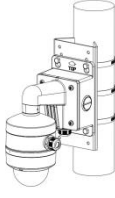
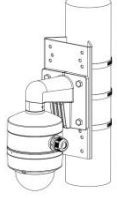
Dimension



Accessories (optional)

DS-1275ZJ-SUS	DS-2210ZJ-WA-120	DS-1280ZJ-DM46	DS-1272ZJ-120B
DS-1272ZJ-120	DS-2280ZJ-WA120	DS-2200ZJ-WAJ-120	DS-1276ZJ-SUS
DS-2200ZJ-WA-120	DS-1271ZJ-120		

Installation Methods

Vertical Pole Mounting	Vertical Pole Mounting	Vertical Pole Mounting	Vertical Pole Mounting
DS-1275ZJ-SUS+ DS-1280ZJ-DM46+ DS-1272ZJ-120B	DS-1275ZJ-SUS+ DS-1272ZJ-120	DS-1275ZJ-SUS+ DS-1280ZJ-DM46+ DS-2200ZJ-WA-120	DS-1275ZJ-SUS+ DS-1272ZJ-120B
			
Vertical Pole Mounting	Vertical Pole Mounting	Vertical Pole Mounting	Vertical Pole Mounting
DS-1275ZJ-SUS+ DS-2200ZJ-WA-120	DS-1275ZJ-SUS+ DS-2200ZJ-WAJ-120	DS-1275ZJ-SUS+ DS-2200ZJ-WAJ-120+ DS-1280ZJ-DM46	DS-1275ZJ-SUS+ DS-1272ZJ-120+ DS-1280ZJ-DM46
			
Vertical Pole Mounting	Pendant Mounting		
DS-1275ZJ-SUS+ DS-2280ZJ-WA120	DS-2210ZJ-WA-120+ DS-1280ZJ-DM46		
