



NC-CFD8-M2A/W3R3(L2)

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

Camera	
Model	NC-CFT8-M2A/W3R3(L2)
Product Name	8MP colorvu fixed lens dome network camera
Image Sensor	1/1.8" Progressive Scan CMOS
Resolution	3840(H) × 2160(V)
Min. Illumination	Color: 0.0005 Lux @ (F1.0, AGC ON), B/W: 0 Lux with light
Shutter Time	1 s to 1/100,000 s
Day & Night	IR Cut Filter
Angle Adjustment	Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°
Lens	
Lens Type	Fixed focal lens, 2.8 mm
Field of View	2.8 mm, horizontal FOV 108.8°, vertical FOV 56.4°, diagonal FOV 134.3°
Lens Mount	M16
Iris Type	Fixed
Aperture	F1.0
Depth of Field	2.8mm, 3.3 m to ∞
DORI	
DORI	2.8 mm, D: 89 m, O: 35 m, R: 17 m, I: 8 m
Night Vision	
Supplement Light Type	IR light and white light
Supplement Light Range	Up to 98ft (30 meters)
Video	
Main Stream	50 Hz: 25 fps (3840 × 2160, 3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (3840 × 2160, 3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720)
Sub Stream	50 Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360) 60 Hz:



Product Datasheet

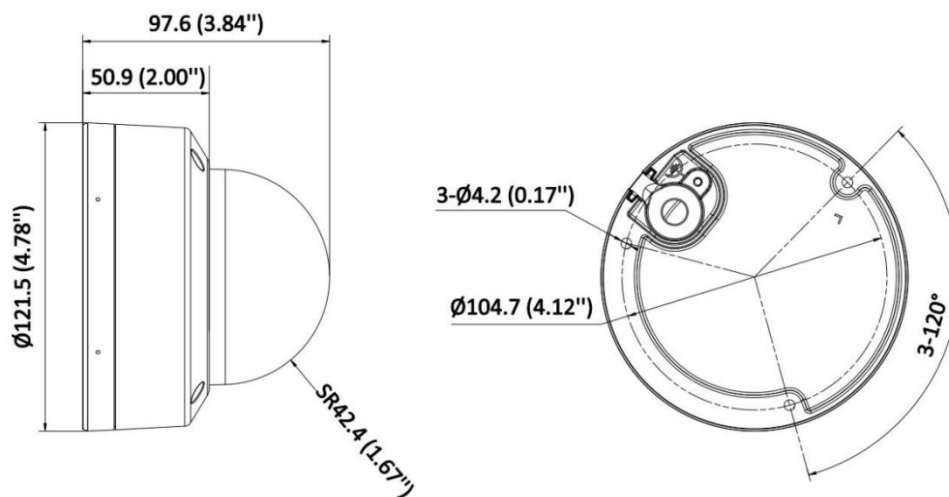
	30 fps (1280 × 720, 640 × 480, 640 × 360)
Third Stream	50 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) 60 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) *Third stream is supported under certain settings.
Video Compression	Main stream: H.265/H.264/H.264+/H.265+, Sub-stream: H.265/H.264/MJPEG, 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
Scalable Video Coding (SVC)	H.264 and H.265 encoding
Region of Interest (ROI)	1 fixed region for main stream
Audio	
Audio Type	Mono sound
Environment Noise Filtering	Yes
Audio Sampling Rate	8 kHz/16 kHz/32 kHz/48 kHz
Audio Compression	G.711/G.722.1/G.726/MP2L2/PCM/MP3/AAC-LC
Audio Bit Rate	64 Kbps (G.711ulaw/G.711alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/16 Kbps to 64 Kbps (AAC-LC)/32 to 192 Kbps (MP2L2)/8 to 320 Kbps (MP3)
Network	
Security	Password protection, complicated password, HTTPS encryption, 802.1X authentication (EAP-TLS, EAP-LEAP, EAP-MD5), watermark, IP address filter, basic and digest authentication for HTTP/HTTPS, WSSE and digest authentication for Open Network Video Interface, RTP/RTSP over HTTPS, control timeout settings, security audit log, TLS 1.1/1.2/1.3, host authentication (MAC address)
Simultaneous Live View	Up to 6 channels
API	ONVIF (Profile S, Profile G, Profile T), 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, SRTP, SFTP
User/Host	Up to 32 users, 3 user levels: administrator, operator, and user
Web Browser	Plug-in free live view: Chrome 80+, Firefox 80+, Edge 89+, Local service: Chrome 80+, Firefox 80+, Edge 89+
Network Storage	NAS (NFS, SMB/CIFS), Auto Network Replenishment (ANR)
Image	
Image Parameters Switch	Yes
Wide Dynamic Range (WDR)	130 dB
SNR	≥ 52 dB
Day/Night Switch	Day, Night, Auto, Schedule
Image Enhancement	BLC, HLC, 3D DNR, Distortion Correction, Defog
Image Stabilization	EIS
Image Settings	Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance, adjustable by client software or web browser



Product Datasheet

Privacy Mask	4 programmable polygon privacy masks
Interface	
Ethernet Interface	1 RJ45 10 M/100 M self-adaptive Ethernet port
Factory Reset	Support
Expansion Slot	Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 512 GB
Microphone	2 pcs built-in microphone
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)), alarm input and output, flashing alarm light output, audible alarm output, exception
Smart Event	Scene change detection
Linkage	Upload to FTP/NAS/memory card, notify surveillance center, trigger recording, trigger capture, send email, trigger alarm output
Deep Learning Function	
Perimeter Protection	Line crossing, intrusion, region entrance, region exiting Support alarm triggering by specified target types (human and vehicle)
Face Capture	Yes
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. 10.5 W 12 VDC $\pm$ 25%, 0.75 A, max. 9 W, $\varnothing$ 5.5 mm coaxial power plug, reverse polarity protection
Protection Level	IP67, IK10, Anti-Corrosion Protection: NEMA 4X (NEMA 250-2018)
Material	Base: metal, Cover: metal
Dimension	$\varnothing$ 121.5 mm $\times$ 97.6 mm ($\varnothing$ 4.78" $\times$ 3.84")
Weight	Approx. 600 g (1.32 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

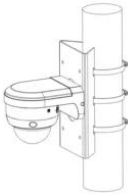
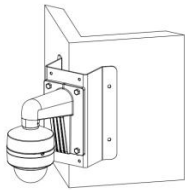


Accessories (optional)

DS-1272ZJ-120B-Y	DS-1272ZJ-120-Y	DS-1275ZJ-SUS	DS-220AZJ-145-WAY
			
DS-1271ZJ-120-Y	DS-4221ZJ-WC	DS-1476ZJ-SUS	DS-1275ZJ-S-SUS
			
DS-1475ZJ-SUS	DS-1280ZJ-DM46-Y	DS-220AZJ-130-WAY	DS-1276ZJ-SUS
			

Installation Methods

Wall Mounting	Wall Mounting	Wall Mounting	Wall Mounting
DS-1272ZJ-120B-Y	DS-1272ZJ-120-Y+ DS-1280ZJ-DM46-Y	DS-220AZJ-145-WAY	DS-220AZJ-130-WAY
			
Vertical Pole Mounting	Vertical Pole Mounting	Vertical Pole Mounting	Corner Mounting
DS-1275ZJ-SUS+ DS-1253ZJ-M+ DS-1272ZJ-120-Y	DS-1275ZJ-S-SUS+ DS-220AZJ-145-WAY	DS-1475ZJ-SUS+ DS-220AZJ-130-WAY	DS-1276ZJ-SUS+ DS-1272ZJ-120-Y

			
Corner Mounting	Pendant Mounting	In-Ceiling Mounting	Junction Box
DS-1476ZJ-SUS+ DS-220AZJ-145-WAY	DS-1271ZJ-120-Y	DS-4221ZJ-WC	DS-1280ZJ-DM46-Y
			