

## CMIP75122NF-SE Platinum 12 MP IR Network Fisheye Camera



The CMIP75122NF-SE is a fisheye network camera capable of providing a 360-degree panoramic image of its surveillance scene. The progressive scan CMOS sensor provides high-resolution images up to 4000 × 3000.

Up to 18 live view display modes, designed for 3 mount types, meet several user preferences. Three independently controlled IR lights offer a range of 50 feet and provide good vision in low or even zero-light environments.

### Highlights:

- 1/1.7" Progressive Scan CMOS
- Max. 4000 × 3000 @ 20 fps
- Up to 18 live view display modes
- Digital WDR
- Up to 50 ft (15 m) IR range
- Built-in microphone and speaker
- Smart features: 6 behavior analyses and 3 anomaly detections

## Specifications

<b>Camera</b>	
Image Sensor	1/1.7" Progressive Scan CMOS
Min. Illumination	Color: 0.082 Lux @ (F2.8, AGC On), B/W: 0.016 Lux @ (F2.8, AGC On), 0 Lux with IR
Shutter Speed	1 sec to 1/100,000 sec
Slow Shutter	Yes
Day & Night	IR Cut Filter
Digital Noise Reduction	3D DNR
WDR	Digital WDR
<b>Lens</b>	
Focal Length	2 mm
Aperture	F2.8
FOV	Horizontal 180° (wall mount), 360° (ceiling and table mount)
Lens Mount	M12
<b>IR</b>	
IR Range	Up to 50 ft (15 m) IR range, 3 LEDs. Each LED controlled independently
Wavelength	850 nm
<b>Compression Standard</b>	
Video Compression	Main stream: H.265+ / H.265 / H.264+ / H.264 Sub stream: H.265 / H.264 / MJPEG
H.264 Type	Baseline Profile / Main Profile / High Profile
H.264+	Main stream supported
H.265 Type	Main Profile
H.265+	Main stream supported
Video Bit Rate	32 Kbps to 16 Mbps
SVC	H.265 and H.264 supported
<b>Smart Feature-set</b>	
Behavior Analyses	Line crossing, intrusion, region entrance, region exiting, unattended baggage, and object removal detections
Exception/Anomaly Detection	Audio
Region of Interest	4 fixed regions for main stream and sub-stream
<b>Image</b>	
Max. Resolution	4000 × 3000
Max. Main Stream Frame Rates	50 Hz: 20f ps (4000 × 3000), 25 fps (3000 × 3000, 2560 × 2560) 60 Hz: 20 fps (4000 × 3000), 30 fps (3000 × 3000, 2560 × 2560)
Max. Sub Stream Frame Rates	50 Hz: 20 fps (720 × 720, 640 × 480) 60 Hz: 20 fps (720 × 720, 640 × 480)
Image Enhancement	BLC, HLC, defog, 3D DNR
Image Setting	Saturation, brightness, contrast, sharpness, AGC and white balance are adjustable by client software or web browser
Day / Night Switch	Day / Night / Auto / Schedule / Triggered by Alarm In
Picture Overlay	Logo can be overlaid on video with 128 × 128 24-bit in .bmp format
<b>Live View Display</b>	
Mount Type	Support for table, wall, and ceiling mounting

Decoding Modes	Support for hardware and software decoding
Display Modes (18)	<p>Software decoding:</p> <ul style="list-style-type: none"> <li>• Ceiling: Fisheye view, 180 panorama view, 360 panorama view, 360 panorama + PTZ, 360 panorama + 3 PTZ, 360 panorama + 6 PTZ, 360 panorama + 8 PTZ, 2 PTZ, 4P TZ, fisheye + 3 PTZ, fisheye + 8 PTZ, half sphere, cylinder</li> <li>• Wall: Fisheye view, panorama view, panorama + 3 PTZ, panorama + 8 PTZ, 4 PTZ, fisheye + 3 PTZ, fisheye + 8 PTZ</li> <li>• Table: Fisheye view, 180 panorama view, 360 panorama view, 360 panorama + PTZ, 360 panorama + 3 PTZ, 360 panorama + 6PTZ, 360 panorama + 8 PTZ, 4 PTZ, fisheye + 3 PTZ, fisheye + 8 PTZ, cylinder</li> </ul> <p>Hardware decoding:</p> <ul style="list-style-type: none"> <li>• Ceiling: Fisheye view, 180 panorama view, panorama view, 4 PTZ, fisheye + 3 PTZ, 4 PTZ fusion</li> <li>• Wall: Fisheye view, 180 panorama view, panorama view, 4 PTZ, fisheye + 3 PTZ, 4P TZ fusion</li> <li>• Table: Fisheye view, 180 panorama view, panorama view, 4 PTZ, fisheye + 3 PTZ, 4 PTZ fusion</li> </ul>
<b>Audio</b>	
Environment Noise Filtering	Yes
Audio Sampling Rate	8 kHz / 16 kHz
Audio Compression	G.711 / G.722.1 / G.726 / MP2L2 / PCM
Audio Bit Rate	64 Kbps (G.711) / 16 Kbps (G.722.1) / 16 Kbps (G.726) / 32 - 160 Kbps (MP2L2)
<b>Network</b>	
Network Storage	Support for MicroSD / SDHC / SDXC card (256 GB), local storage and NAS (NFS, SMB / CIFS), ANR
Alarm Triggers	Motion detection, video tampering alarm, network disconnected, IP address conflicted, illegal login, HDD full, HDD error
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, UDP, Bonjour
Security Measures	Password protection, HTTPS encryption, IEEE 802.1x port-based network access control, IP address filter, basic and digest authentication for HTTP / HTTPS, WSSE and digest authentication for ONVIF
General Functions	One-key reset, anti-flicker, heartbeat, mirror, password protection, privacy mask, watermark, IP address filter
API	ONVIF (PROFILE S, PROFILE G), ISAPI
Simultaneous Live View	Up to 20 channels
User / Host	Up to 32 users; 3 user levels, administrator, operator and user
Web Browser	IE 8+, Chrome 31.0 - 44, Firefox 30.0 - 51, Safari 8.0+
<b>Interface</b>	
Communication Interface	1 x RJ45 10M/100M/1000M self-adaptive Ethernet port
Audio	1 x Audio input (line in, 3.5 mm), 1 x audio output (line out, 3.5 mm); 2 x built-in microphones, 1 x built-in speaker, mono sound
Alarm	1-ch alarm input, max. 12 V; 1-ch alarm output, max 24 VDC, 1 A
On-board storage	Built-in MicroSD / SDHC / SDXC slot, up to 256 GB
Reset Button	Yes
<b>General</b>	
Operating Conditions	-40° to 140° F (-40° to 60° C), Humidity 95% or less (non-condensing)
Power Supply	12 VDC $\pm$ 20%, PoE (802.3 af, class 0), two-core terminal block
Power Consumption	12 VDC, 0.9 A, max. 11 W PoE (802.3af, 36 to 57 V), 0.3 A to 0.2 A, max. 12 W
Protection Level (-V)	IP67, IK10
Material	Metal

Dimensions	φ 6. 6 × 2.0 in. (φ 167.4 × 49.9 mm)
Weight	Approx. 2.97 lbs (1,347 g)

## Dimensions (mm)

