

CMIP7106F-SE
Platinum 6 MP IR Network
Fisheye Camera



The CMIP7106F-SE is a Fisheye Network Camera capable of providing a 360-degree panoramic image of its scene. The progressive scan CMOS sensor provides high-resolution images of up to 2560 x 2560. With up to 20 live view display modes, designed for 3 mount types, this camera meets various user preferences. Three independently controlled IR lights offer a range of 50 feet and provide excellent imaging in low or even zero-light environments.

- Heat Mapping: Based on AI algorithms, the camera counts people and presents an intuitive map
- Multiple Dewarping Modes: Users can choose from up to 20 different viewing modes
- Built-in Mic and Speaker: The camera supports two-way audio for real-time monitoring and communication
- Built-in IR Light: An IR range of 50 feet provides great visibility in low or even zero-light environments
- High 6 MP Resolution: Capturing clear images in various viewing modes
- Each image is clear and detailed
- Water and dust resistant (IP67) and vandal resistant (IK10)



Specifications

Camera	
Image Sensor	1/1.8" Progressive Scan CMOS
Max. Resolution	2560 × 2560
Min. Illumination	Color: 0.01 Lux @ f 2.25, AGC on B&W: 0.005 Lux @ f 2.25, AGC on B&W: 0 Lux with IR
Shutter Time	1 to 1/100,000 sec.
Day & Night	IR cut filter
Lens	
Lens Type	Fixed focal lens, 1.16 mm
Focal Length & FOV	1.16 mm; Horizontal: 180°, vertical: 180°
Iris Type	Fixed
Aperture	f 2.25
Depth of Field	0.2 m to ∞
Detect, Observe, Recognize, Identify	
DORI Ranges	D: 76 ft (23.2 m), O: 30 ft (9.2 m), R: 15 ft (4.6 m), I: 7.5 ft (2.3 m)
Supplemental Lighting	
Supplement Light Type	IR
Supplement Light Range	Up to 50 ft
Supplement Light Number	3
IR Wavelength	850 nm
Smart Supplement Light	Yes
Video	
Main Stream	<p>30 fps:</p> <ul style="list-style-type: none"> Fisheye View: 2560 × 2560, 2048 × 2048, 1280 × 1280 180 Panorama View: 2048 × 1536, 1920 × 1440 180 Dual-Channel Panorama View: 2048 × 768, 1920 × 720 Panorama View: 2048 × 1536, 1920 × 1440 <p>4 PTZ View: camera 01 / 02 / 03/ 04: 1024 × 768</p> <p>Fisheye + 3PTZ View:</p> <ul style="list-style-type: none"> Camera 01: 2048 × 2048, 1024 × 1024 Camera 02 / 03 / 04: 1024 × 768 <p>4 PTZ Fusion View: 2048 × 1536, 1600 × 1200</p>

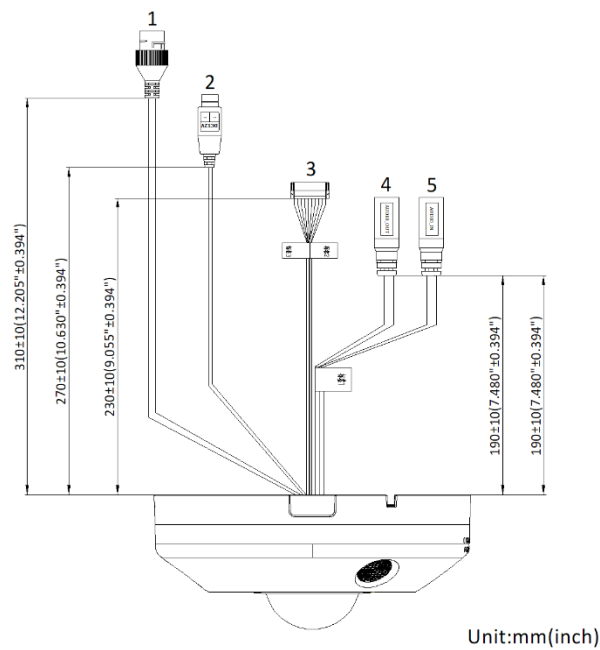
Sub-Stream	<p>30 fps:</p> <p>Fisheye View: 720 × 720, 480 × 480</p> <p>180 Panorama View: 640 × 480, 320 × 240</p> <p>180 Dual Channel Panorama View: 640 × 480, 320 × 240</p> <p>Panorama View: 640 × 360, 320 × 240</p> <p>4 PTZ View: Camera 01 / 02 / 03 / 04: 640 × 480, 320 × 240</p> <p>Fisheye + 3PTZ View:</p> <ul style="list-style-type: none"> • Camera 01: 720 × 720 • Camera 02 / 03 / 04: 640 × 480, 320 × 240
Video Compression	<p>Main stream: H.265+ / H.265 / H.264+ / H.264</p> <p>Sub-stream: H.265 / H.264 / MJPEG</p>
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)	4 fixed regions for each stream
Fisheye Display	
Mount Types	Support for wall / table / ceiling mounting
Decoding Modes	Support for hardware decoding and software decoding
Display Modes (20)	<p>Software decoding: 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, 4 PTZ, fisheye + 3 PTZ, fisheye + 8 PTZ, hemisphere, AR hemisphere, cylinder</p> <p>Hardware decoding: Fisheye view, 180 panorama view, 180 dual channel panorama, panorama view, 4PTZ, fisheye + 3PTZ, 4PTZ fusion</p>
Audio	
Audio Compression	G.711 / G.722.1 / G.726 / MP2L2 / PCM / MP3 / AAC-LC
Audio Bit Rates	64 Kbps (G.711ulaw / G.711alaw) / 16 Kbps (G.722.1) / 16 Kbps (G.726) / 32 to 192 Kbps (MP2L2) / 8 to 320 Kbps (MP3) / 16 to 64 Kbps (AAC-LC)
Audio Sampling Rates (kHz)	8 / 16 / 32 / 48
Environment Noise Filtering	Yes
Network	
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, SFTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv4, IPv6, UDP, Bonjour, SSL/TLS, ISUP, ARP, WebSocket, WebSockets, SIP
Simultaneous Live View	Up to 20 channels
API	Open Network Video Interface (Profile S, Profile G, Profile T), ISAPI, SDK
User / Host	<p>Up to 32 users</p> <p>3 user levels: Administrator, operator, and user</p>

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 1.2, host authentication (MAC address)
Network Storage	NAS (NFS, SMB / CIFS), Auto Network Replenishment (ANR); high-end memory card, memory card encryption, and health detection are supported.
Client	LTS Connect
Web Browsers	Plug-in required live view: IE 10, IE 11 Plug-in free live view: Chrome 57.0+, Firefox 52.0+, Edge 89+, Safari 11+ Local service: Chrome 57.0+, Firefox 52.0+, Edge 89+
Image	
Image Parameters Switching	Yes
Image Settings	Saturation, brightness, contrast, sharpness, white balance, AGC, adjustable by client software or web browser
Day / Night Switching	Day, Night, Auto, Schedule, Alarm Triggers
Wide Dynamic Range (WDR)	Digital WDR
Image Enhancement	BLC, HLC, 3D DNR, Distortion Correction, Defog
Privacy Mask	8 programmable polygon privacy masks
Picture Overlay	LOGO picture can be overlaid on video with 128 × 128 24 bit bmp format.
Interface	
Ethernet Interface	1 x RJ45, 10/100/1000 Mbps self-adaptive Ethernet port
On-Board Storage	Built-in memory card slot supports MicroSD / SDHC / SDXC cards up to 256 GB
Built-in Microphone	Yes, 4 built-in microphones
Built-in Speaker	Yes, 1 built-in speaker
Audio	1 input (line in), 3.5 mm connector, max. input amplitude: 3.3 Vpp, input impedance: 4.7 KΩ, interface type: Non-equilibrium 1 output (line out), 3.5 mm connector, max. output amplitude: 3.3 Vpp, output impedance: 100 Ω, interface type: Non-equilibrium
Alarm	2 inputs, 2 outputs (max. 24 VDC, 1 A)
RS-485	1 connection (Half duplex, Pelco-P, Pelco-D, self-adapting)
Reset Key	1
Event Types	
Basic	Motion detection, video tampering alarm, alarm input and output, exception (network disconnected, IP address conflict, illegal login, HDD full, HDD error)
Smart	Line crossing, intrusion, region entrance / exiting, scene change, audio exception, defocus, unattended baggage, and object removal detections
Linkage	Upload to FTP / NAS / memory card, notify surveillance center, send email, trigger alarm output, trigger recording, trigger capture

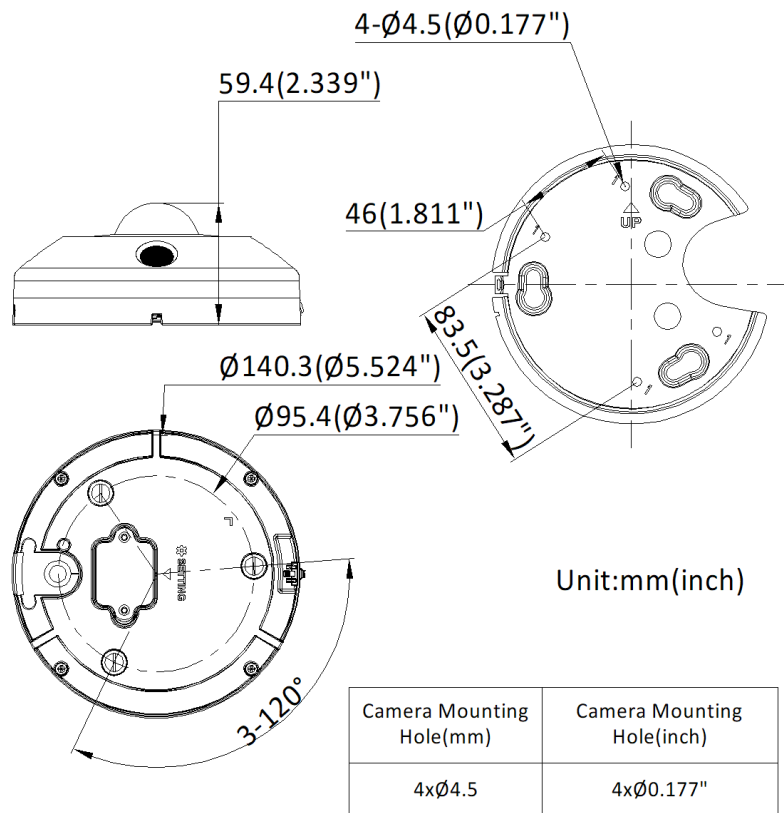
Deep Learning Functions	
People Counting	<p>Counts people entering, exiting and passing by separately (the data is stored in the flash)</p> <p>Supports real-time uploading and uploading by statistic cycle</p> <p>Sends email reports on daily, weekly, monthly or annually basis</p> <p>Supports up to 3 detection regions, and independent arming schedule and linkage method</p>
Queue Management	<p>Supports up to 8 detection regions, and independent arming schedule and linkage method</p> <p>Supports 2 detection modes: Regional people queuing-up, waiting time detection</p> <p>Generates reports to compare the efficiency of different queuing-ups and display the changing status of one queue</p> <p>Supports raw data export for further analysis</p> <p>Supports real-time data uploading and scheduled data uploading</p> <p>Regional people queuing-up: supports 4 alarm trigger conditions, including greater than threshold, less than threshold, equal to threshold, not equal to threshold</p> <p>Waiting time detection: supports 1 alarm trigger condition, including greater than threshold</p>
Heat Mapping	<p>A graphic description of visits (by calculating amount of people or amount of dwell time) in a configured area.,</p> <p>Two report types are available, space heat map and time heat map line chart.</p>
Intersection Analysis	<p>Detects and analyze flow in an intersection-like scene, and generate reports</p> <p>Support one intersection of up to 10 ways</p>
General	
Power	12V DC \pm 20%, 1 A, max. 11.5 W, two-core terminal block, PoE: IEEE 802.3af, Class 3, max. 12.5 W
Materials	Metal
Dimensions	\varnothing 5.5 \times 2.3" (\varnothing 140.3 \times 59.4 mm)
Shipping Dimensions	10.2 \times 9.1 \times 5.3" (260 \times 230 \times 135 mm)
Weight	Approx. 1.58 lb (715 g)
Shipping Weight	Approx. 2.66 lb (1,206 g)
Storage Conditions	-40° to 140° F (-40° to 60° C). Humidity 95% or less (non-condensing)
Startup and Operating Conditions	-40° to 140° F (-40° to 60° C). Humidity 95% or less (non-condensing)
General Functions	Heartbeat, flash log, password reset via email, password protection, one-key reset, anti-banding
Heater	Yes
Cable Length	1.02 ft (0.31 m)
Certifications	
Protection Ratings	IP67: IEC 60529-2013 IK10: IEC 62262:2002

Physical Interface

No.	Interface Description
1	Network Interface
2	Power Interface
3	Alarm Interface, RS-485
4	Audio Output Interface
5	Audio Input Interface



Dimensions



Accessories

LTB342-140 Wall Mount	LTB342-140B Wall Mount	LTB379 Corner Mount	LTB378 Vertical Pole Mount	LTB341 Pendant Mount
