PTZIP4C84W-X25IR

Platinum 8 MP Panoramic Color 24/7 with

4 MP 25x IP PTZ Camera

H.265 · **H.264** · **MASK** · **ROI** · **Scheduled Task** · **TRUE WDR**

Ultra Low Light · · **PoE** · **IR**

PTZIP4C84W-X25IR integrates a 1/2.5" and a 1/2.8" progressive scan CMOS chips. With the 25x optical zoom lens, the camera offers more details over expansive areas. This camera can be used for wide angle surveillance and focused view at the same time, such as roads, railways, airports, squares, public venues, and more.

- Captures a large area and great details at the same time

- High quality panoramic imaging with 8 MP resolution and details imaging with 4 MP 25x PTZ

- Excellent low-light performance with Starlight IR PTZ and Color 24/7 Panoramic

- Provides details of an expansive area with PTZ 25x optical zoom and 16x digital zoom

- Expansive night view with up to 300 ft IR distance & 100 ft white light

- Supports 12V DC & PoE+

- MD 2.0 - Focus on human and vehicle targets classification

Specifications

Camera	
Image Sensor	Panoramic: 1/2.5" Progressive Scan CMOS; PTZ: 1/2.8" progressive scan CMOS
Max. Resolution	Panoramic: 3840 × 2160 | PTZ: 2560 × 1440
Min. Illumination	Panoramic: 0.0005 Lux @ f 1.0, AGC on PTZ: Color: 0.005 Lux @ f 1.6, AGC on, B&W: 0.001 Lux @ f 1.6, AGC on
Shutter Speed	1 to 1/30,000 sec.
Slow Shutter	yes
Day & Night	ICR
Zoom	PTZ: 25 × optical, 16 × digital
White Balance	Auto, ATW, sodium lamp, fluorescent lamp, indoor, outdoor, MWB, Locked WB

Lens	
Focal Length	Panoramic: 2.8 mm; PTZ: 4.8 to 120 mm, 25 × optical
Zoom Speed	PTZ: approx. 3.6 s
FOV	Panoramic: Horizontal field of view: 180 ± 10°, Vertical field of view: 80 ± 5° PTZ: • Horizontal field of view: 55° to 2.4° (wide-tele) • Vertical field of view: 33° to 1.4° (wide-tele) • Diagonal field of view: 61.5° to 2.8° (wide-tele)
Focus	semi-auto, manual, auto
Aperture	Panoramic: 1.0; PTZ: 1.6

Supplement Lighting	
Type	PTZ: IR; Panoramic: White Light
Light	Yes
Range	PTZ: up to 300 ft; Panoramic: up to 100 ft

PTZ	
Movement Range (Pan)	360°
Movement Range (Tilt)	-15° to 90° (auto flip)
Pan Speed	pan speed: configurable from 0.1° to 80°/s; preset speed: 80°/s
Tilt Speed	tilt speed: configurable from 0.1° to 80°/s, preset speed 80°/s
Proportional Zoom	yes
Presets	300
Patrol Scan	8 patrols, up to 32 presets for each patrol
Pattern Scan	4 pattern scans
Power-off Memory	yes
Park Action	Preset, pattern scan, patrol scan, auto scan, tilt scan, random scan, frame scan, panorama scan
3D Positioning	yes
PTZ Status Display	yes
Preset Freezing	yes
Scheduled Task	Preset, pattern scan, patrol scan, auto scan, tilt scan, random scan, frame scan, panorama scan, dome reboot, dome adjust, aux output
Exception Detection	IP address conflict, HDD full, illegal login, HDD error, network disconnected, Abnormal Restart

Video

Region of Interest (ROI)	8 fixed regions for each stream
Main Stream	Panoramic: 20 fps (3840 × 2160) PTZ: 30 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720)
Sub-Stream	Panoramic: 20 fps (1200 × 536, 960 × 432) PTZ channel: 30 fps (704 × 480, 640 × 480, 352 × 240)
Third Stream	Panoramic: N/A PTZ:30 fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 480, 640 × 480, 352 × 240)
Video Compression	H.265,H.264, MJPEG
Video Bit Rate	32 kbps to 16,384 kbps
H.264 Type	Baseline profile, main profile, high profile
H.265 Type	Main profile
H.264+	Yes
H.265+	Yes
SVC	Yes

Audio

Audio Compression	G.711,G.722.1,G.726,MP2L2,PCM,AAC-LC,MP3
Audio Bit Rates (Kbps)	MP2L2: 32, 40, 48, 56, 64, 80, 96, 112, 128, 144, 160, 192, AAC-LC: 16, 32, 64 , MP3: 8, 16, 24, 32, 40, 48, 56, 64, 80, 96, 112, 128, 160, 192, 224, 256, 320
Audio Sampling Rates (kHz)	MP2L2: 16, 32, 48 | AAC-LC: 16, 32, 48 PCM: 8, 16, 32, 48 | MP3: 8, 16, 32, 48
Environment Noise Filtering	Yes

Smart Features

Recording	ANR, Dual-VCA

Network

API	ISAPI, SDK, ISUP, ONVIF
Web Browser	IE11+, Chrome 57+, Firefox 52+, Safari 12+, Edge 79.0.309.65+
Network Storage	NAS (NFS, SMB / CIFS), ANR
Protocols	IPv4/IPv6, HTTP, HTTPS, 802.1x, Qos, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTCP, RTP, TCP/IP, UDP, IGMP, ICMP, DHCP, PPPoE, Bonjour, WebSocket, WebSockets, SRTP
Simultaneous Live View	20
User / Host	32
Security Measures	Authenticated username and password, MAC address binding, HTTPS encryption, 802.1X authenticated access, IP address filter
Client	Guarding Vision

Imaging

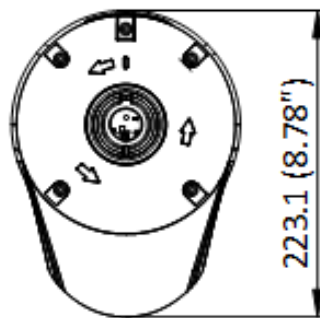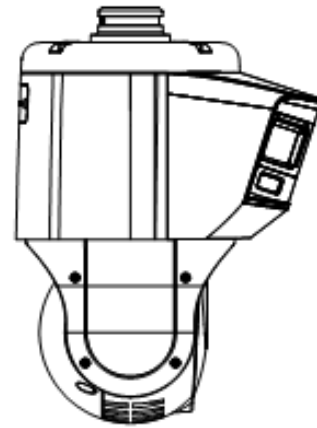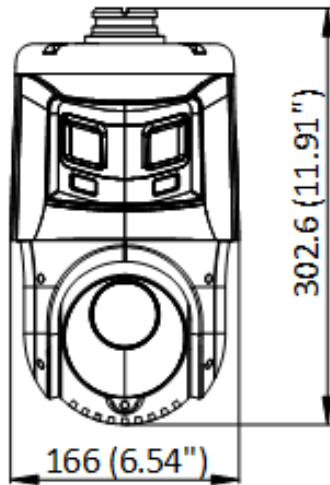|	
Image Settings	Sharpness, saturation, brightness, contrast
Day/Night Switching	Day, night, auto, scheduled-switch
Wide Dynamic Range (WDR)	Panoramic: Digital WDR PTZ: 120 dB WDR
SNR	≥ 52 dB
Defog	Digital defog
Image Stabilization	EIS
Image Enhancement	BLC, HLC, 3D DNR

Regional Focus	Yes
Regional Exposure	Yes
Image Parameters Switch	Yes
Privacy Mask	Panoramic: up to 8, PTZ: up to 24; mask color or mosaic configurable

Interface

Communication Interface	RJ45, self-adaptive 10/100 Mbps Ethernet port
On-board Storage	Built-in memory card slot supports MicroSD / SDHC / SDXC cards up to 256 GB
Alarm Input	1 alarm input
Alarm Output	1 alarm output
Audio Input	1 audio input, 2.0 to 2.4 Vp-p, 1K Ohm ± 10%
Audio Output	1 audio output, line level, impedance: 600 Ω
Reset	Yes

Event Types

Basic	Motion detection, video tampering alarm, exception, alarm input and output
Smart	Audio exception, region entrance & exiting, intrusion, and line crossing detections
Linkage	Upload to FTP / NAS / memory card, notify surveillance center, send email, trigger alarm output, trigger recording, audible warning, and PTZ actions (such as preset, patrol scan, pattern scan)
Smart Linkage	Panorama linkage

Deep Learning Functions

Face Capture	Detects up to 5 faces simultaneously, Supports detecting, tracking, capturing, grading, selecting of faces in motion, and outputs the best face picture

General

General Function	Mirror, watermark, password protection
Power	12V DC, PoE+
Power Consumption and Current	Max. 24 W, including max. 2.6 W for heater and max. 11 W for supplement light
Operating Conditions	-22° to 149° F, humidity lower than 90% RH
Demist	Demist by heating the glass
Materials	ADC12
Dimensions	Ø 6.5 × 11.9"
Weight	Approx. 13.2 lb.

Certifications

Protections	IP66; 6,000 V Lightning Protection; Surge Protection and Transient Voltage Protection

DORI

The DORI (detect, observe, recognize, identify) distances give the general idea of the camera's ability to distinguish persons or objects within its field of view. It is calculated based on the camera sensor specifications and the criteria given by EN 62676-4: 2015.

Value	Detect	Observe	Recognize	Identify
Definition	25 px/m	63 px/m	125 px/m	250 px/m
Distance (Tele)	7,217.85 ft (2,200.0 m)	2,864.17 ft (873.0 m)	1,443.57 ft (440.0 m)	721.78 ft (220.0 m)

Dimensions

302.6 (11.91")
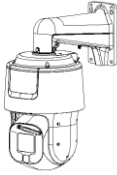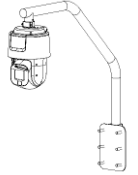
166 (6.54")

223.1 (8.78")

Unit: mm (inch)

Accessories

(Included)

LTB212 Wall mount

(Optional)

LTB762 Wall mount	LTB742 Wall mount	LTB751 Pendant Mount	LTB751-20 Pendant Mount