

4MP Network Mini PTZ Camera

P22-4TA4



Key Features

- 4MP Dome Housing
- 4x Maximum Optical Zoom
- Video Content Analytics: Line Crossing, Intrusion
- Face Detection

Certifications and Compliance

- NDAA Compliant
- FCC
- IC

Learn More



Learn more about this product's key technologies.



View all compatible accessories for this product.

Overview

The **P22-4TA4** is part of Luminy's starter series of security devices. Starter series devices are designed with a curated selection of technologies and features to provide high-quality security without unnecessary or complicated add-ons.

Key Technologies

Face detection technology uses algorithms and formulas to identify the presence of a face in an image or video feed. It does not analyze or compare facial features; it only locates the face. Face detection is generally less invasive and may be subject to fewer regulations.

Video Content Analytics (VCA) is the umbrella for line crossing and intrusion analytics. Line Crossing identifies when a person or object crosses a defined line. Intrusion detects when a person or object breaches the boundaries of a defined area or enters a restricted area. VCA is available on most Luminy network cameras.

Specifications

Camera

Luminys Series	Starter
Image Sensor	1/2.8-in. 4MP Progressive CMOS
Zoom	4x
Maximum Resolution	2560 × 1440
Minimum Illumination	Color: 0.005 Lux at F1.6 Black and White: 0.0005 Lux at F1.6
Electronic Shutter Speed	1/1 s to 1/30,000 s
Pan/Tilt	Pan: 0° to 355° Tilt: 0° to 90°
S/N Ratio	≥ 55 dB

Lens

Focal Length	2.8 mm to 12.0 mm
Aperature	F1.6 to F3.0
Field of View	Horizontal: 90° to 29° Vertical: 49° to 17° Diagonal: 106° to 34°
Focus Control	Automatic, Semi-Automatic, Manual
Close Focus Range	1.5 m (4.9 ft)
DORI Distance	Detect: 56.0 m to 240.0 m (183.7 ft to 787.4 ft) Observe: 22.4 m to 96.0 m (73.5 ft to 315.0 ft) Recognize: 11.2 m to 48.0 m (36.7 ft to 157.5 ft) Identify: 5.6 m to 24.0 m (18.4 ft to 78.7 ft)

Pan/Tilt/Zoom

Range	Pan: 0° to 355° Tilt: 0° to 90°
Pan Speed	Manual Control: 0.1°/s to 100°/s Preset: 0.1°/s to 100°/s
Tilt Speed	Manual Control: 0.1°/s to 60°/s Preset: 0.1°/s to 60°/s
Preset	300
Tour	8 (Up to 32 Presets per Tour)
Pattern	5
Scan	5
Scheduled Modes	Preset, Pattern, Scan, Tour Group
Idle Modes	Preset, Pattern, Scan, Tour Group

Video

Compression	Smart H.265+, H.265, Smart H.264+, H.264, MJPEG (Sub Stream 1)
Stream Capability	Three (3) Streams
Resolution	4MP (2560 × 1440), 3MP (2304 × 1296), 1080p (1920 × 1080), 1.3MP (1280 × 960), 720P (1280 × 720), D1 (704 × 480), VGA (640 × 480), CIF (352 × 240)
Maximum Frame Rate	Main Stream: 4MP (2560 × 1440)/3MP (2304 × 1296)/1080p (1920 × 1080)/1.3MP (1280 × 960)/720p (1280 × 720) at 30 fps Sub Stream 1: D1 (704 × 480)/VGA (640 × 480)/CIF (352 × 240) at 30 fps Sub Stream 2: 720p (1280 × 720) at 30 fps

Video

Video Bit Rate	H.265: 1,024 kbps to 7,936 kbps H.264: 2,816 kbps to 13,056 kbps
Bit Rate Control	CBR/VBR
Day/Night	Color, Black and White
Light Balancing	True WDR (120 dB), BLC, HLC
White Balance	Automatic, Indoor, Outdoor, ATW, Manual, Sodium Lamp, Natural Light, Street Lamp
Gain Control	Automatic, Manual
Noise Reduction	3D NR
Region of Interest	Supported (8 Regions)
Image Stabilization	Electronic (EIS)
Privacy Masking	Supported (Up to 24 Areas With 8 Areas in the Same View; Multiple Colors Available)
Image Rotation	180°
Defog	Electronic
OSD Overlay	Channel, Time, Preset, PTZ Coordinates, Location, Custom

Analytics

Video Content Analytics	Line Crossing, Intrusion
Face Detection	Capture Snapshots and Facial Attributes

Alarm

Event	Motion/Tampering Detection, Network Disconnection Detection, IP Conflict Detection, Memory Card State Detection, Memory Space Detection
Linkage	Capture, Recoding, Send Email, Preset, Tour, Pattern

Network

Interface	RJ-45 (10/100 Base-T)
Protocol	HTTP, HTTPS, TCP/IP, IPv4, RTSP, UDP, SMTP, NTP, DHCP, DNS, DDNS, IPv6, 802.1x, SSL, QoS, FTP, UpnP, ICMP, SNMP, SNMPv1/v2c/v3(MIB-2), GMP, ARP, RTCP, RTP, PPPoE, RTMP, Bonjour, NFS
Security	Username and Password, MAC Address, Allowlist and Blocklist, Firewall
User/Host	20 (Total Bandwidth: 64 Mbps)
User Management	Up to 32 Users With Multi-Level User Permission Management
Streaming Method	Unicast/Multicast
Interoperability	ONVIF (Profile S/M/T), CGI, SDK, P2P, API
Browser	Chrome, Firefox, Safari, Edge
Client	LumiViewer
Storage	FTP, NAS, Micro SD Card (Max. 512 GB)

Electrical

Power Supply	12 VDC 1A ± 10%, PoE (802.3af)
Power Consumption	2.3 W (Basic), 6.2 W (Max.)
Power Adapter	Optional



Construction

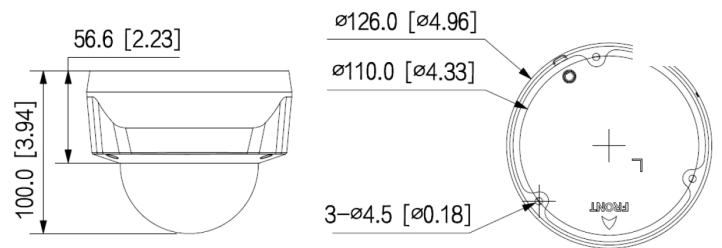
Net Weight	0.7 kg (1.5 lb)
Gross Weight	0.9 (1.9 lb)
Operating Temperature	-30 °C to 60 °C (-22 °F to 140 °F)
Protection Ratings	IP66, IK10
Product Dimensions	89.0 mm × Φ122.0 mm (3.5 in. × Φ4.8 in.)
Packaging Dimensions	148.0 mm × 139.0 mm × 137.0 mm (5.8 in. × 5.5 in. × 5.4 in.)
Material	Metal

Certifications and Compliance

Certifications	FCC
Compliance	NDAA

Dimensional Drawing

mm [in.]



Packaging Information

Included Components

Below are the included components when purchasing the product.

Quantity	Component
1	4MP Network Mini PTZ Camera (Luminys SKU: P22-4TA4)
1	L-Shaped Allen Wrench
1	Ceiling Mount Template
1	Package of Mounting Components
1	Set of Screws (4)
1	Quick Start Guide
1	Regulatory Information

Compatible Accessories

Below are the compatible accessories for this product. Not all accessories are included with purchase; some must be purchased separately. For each mount type, all listed SKUs are required to ensure proper installation.

Cross-check the accessories in this datasheet with the Luminys accessory selector tool, and verify that the mount size corresponds to the camera size. Failure to check may result in an incorrect or incomplete mount.

Accessory Combination	SKU(s)	Description
Junction Box	LUM-J02 <i>(Must be Purchased Separately)</i>	Junction Box for Select Standard Size Dome and Mini Turret Camera Models
Wall Mount	LUM-W01 <i>(Must be Purchased Separately)</i>	Wall Mount Bracket for Select N5D Dome and N5T/N3T Turret Cameras
Horizontal Pole Mount*	LUM-W01 <i>(Must be Purchased Separately)</i>	Wall Mount Bracket for Select N5D Dome and N5T/N3T Turret Cameras
	LUM-P02 <i>(Must be Purchased Separately)</i>	Pole Mount Bracket for Select N3 and N5 Series Cameras
Vertical Pole Mount*	LUM-A01 <i>(Must be Purchased Separately)</i>	Junction Box for Standard Size Turret Camera Models
	LUM-E01 <i>(Must be Purchased Separately)</i>	Ceiling Mount Bracket for Standard Dome, Dome Wedge, and Mini Turret Cameras
	LUM-P01 <i>(Must be Purchased Separately)</i>	Pole Mount Bracket for Select N3 and N5 Series Cameras
Pendant Mount*	LUM-A01 <i>(Must be Purchased Separately)</i>	Adapter Plate for Select Dome and Turret Cameras
	LUM-E01 <i>(Must be Purchased Separately)</i>	Ceiling Mount Bracket for Standard Dome, Dome Wedge, and Mini Turret Cameras
Corner Mount*	LUM-A01 <i>(Must be Purchased Separately)</i>	Adapter Plate for Select Dome and Turret Cameras
	LUM-W02 <i>(Must be Purchased Separately)</i>	Wall Mount Bracket for Select N5D, N5T, N3T, P45, P54, and P55 Cameras
	LUM-C01 <i>(Must be Purchased Separately)</i>	Corner Mount Bracket for N3, N5, N9, P4, P5 Series Cameras
In-Ceiling Mount	LUM-M01 <i>(Must be Purchased Separately)</i>	In-Ceiling Mount Bracket for Select Dome Camera Models

*All SKUs listed must be used to complete the mounting combination. Verify the compatibility of the listed mounting components prior to ordering. Failure to use all SKUs listed and ensure compatibility may result in an incorrect or incomplete mount.

Replacement Components

Below are the replacement components available for this product. Not all product components are available for replacement. Replacement component must be purchased separately. Cross-check the components in this datasheet with the Luminys accessory selector tool, and verify that the component size corresponds to the camera size. Failure to check may result in the purchase of an incorrect or incompatible component.

SKU	Description
LUM-B01 <i>(Must be Purchased Separately)</i>	Smoked Polycarbonate Replacement Bubble (3.4 inch) for Select Dome Cameras