LUMINYS

4MP Network 32x LumiSearch+ PTZ Camera
P5C-4SA32

Key Features

- 4MP In-Ceiling Dome Housing
- 32x Max Optical Zoom
- VCA+: Line Crossing, Intrusion, Loitering Detection, Parking Detection
- LumiAnalytics, Face Detection, LumiSearch+, People Counting, Queue Management
- iMD, LumiTracking, LumiFocus

Certifications and Compliance

- NDAA Compliant
- FCC
- IC
- UL

Learn More

Learn more about this product's key technologies.

View all compatible accessories for this product.

Overview

The **P5C-4SA32** is part of Luminys's P5-S mainstream series of security devices. P5-S mainstream series devices are designed a with suite of advanced LumiTechnologies to meet the needs of today's evolving security market.

Key Technologies

LumiTracking technology enhances security and efficiency by automating tracking of people and vehicles. It uses advanced AI algorithms to monitor and predict the direction and speed of moving targets, enabling quick response to potential issues for enhanced security and smooth operation.

LumiSearch+ technology lets you quickly find, track, and identify targets in security footage using a reference image. The LumiSearch+ algorithm analyzes human body shape, clothing color, and other characteristics to accurately pinpoint where a target has appeared in footage captured by any LumiSearch+-enabled camera and NVR.

LumiAnalytics technology uses detailed metadata and advanced AI algorithms to track important metrics such as people counting and behavior analysis. These insights give businesses highly valuable information to improve and optimize operations.

LumiFocus technology ensures a target stays in focus during the zooming process. LumiFocus uses advanced algoritms to accurately measure the distance from a target and predict the direction of its movement for enhanced image stability and clarity when zooming.

Specifications

Camera

Luminys Series	P5-S Series (Mainstream)
Zoom	32x
Image Sensor	1/2.8-in. 4MP Progressive CMOS
Maximum Resolution	2560 × 1440
Minimum Illumination	**Color:** 0.005 Lux at F1.6 **Black/White:** 0.0005 Lux at F1.6
Electronic Shutter Speed	1/3 s to 1/100,000 s
Pan/Tilt/Zoom	**Pan:** 0.1° to 350° **Tilt:** 0.1° to 250°
S/N Ratio	> 55 dB
Power-Off Memory	Supported

Lens

Iris Type	Fixed
Lens Type	Fixed
Focal Length	4.8 mm to 154.0 mm
Aperture	F1.6 to F4.0
Field of View	**Horizontal:** 55.8° to 2.3° **Vertical:** 31.9° to 1.3° **Diagonal:** 63.7° to 2.7°
Close Focus Range`	0.1 m to 1.5 m (0.3 ft to 4.9 ft)
DORI Distance	**Detect:** 10,105.0 ft (3,080.0 m) **Observe:** 3,991.5 ft (1,216.6 m) **Recognize:** 2,021.0 ft (616.0 m) **Identify:** : 1,010.5 ft (308.0 m)

Pan/Tilt/Zoom

Range	Tilt: 0°to 90°, Auto Flip: 180°
Pan Speed	Manual Control: 0.1°/s to 350°/s Preset: 0.1°/s to 500°/s
Tilt Speed	Manual Control: 0.1°/s to 250°/s Preset: 0.1°/s to 500°/s
Preset	300
Patrol	8 (Up to 32 Presets per Patrol)
Pattern	5
Scan	5
Scheduled Modes	Preset, Pattern, Tour, Scan
Preset Freezing	Supported
LumiFocus	Supported
3D Positioning	Supported

Video

Compression	H.265, H.264, MJPEG (Sub Stream 1 Only)
Smart Codec	Supported
Stream Capability	Three (3) Streams
Resolution	4MP (2560 × 1440), 3MP (2304 × 1296), 3MP (2048 × 1536), 1080p (1920 × 1080), 960p (1280 × 960), 720p (1280 × 720) , VGA (640 × 480)
Maximum Frame Rate	**Main Stream:** 4MP/3MP/1080p/1.3MP/720p at 1–30 fps **Sub Stream 1:** D1/VGA/CIF at 1–30 fps **Sub Stream 2:** 1080p/1.3MP/720p at 1–30 fps

Video

Video Bit Rate	**H.265:** 38 kbps to 8960 kbps **H.264:** 96 kbps to 14848 kbps
Bit Rate Control	CBR/VBR
Day/Night	Automatic (ICR), Color, Black and White
Light Balancing	Wide Dynamic Range (120 dB), BLC, HLC
Noise Reduction	2D NR, 3D NR
Image Rotation	180°
Image Stabilization	Electronic
Defog	Electronic
Region of Interest	Supported
Privacy Masking	24 Areas (Up to 8 Areas in the Same View)

Analytics

Video Content Analytics+	Line Crossing, Intrusion, Loitering Detection, Parking Detection, Fence Climbing, Abandoned/Missing Object, People Gathering, Vehicle/Human Alarm Classification, Linkage Tracking
Intelligent Motion Detection	Supported with Alarms for Vehicles and Humans
Face Detection	Capture Snapshots and Facial Attributes
People Counting	Tripwire and In-Area People Counting, Queue Management With Report
LumiSearch+	Supported When Used With LumiSearch+-Enabled NVRs
LumiAnalytics	Supported
LumiTracking	Supported

Audio

Compression	G.711a, G.711Mu, PCM
Sampling Bitrate	**PCM:** 8,000 Hz, 16,000 Hz, 32,000 Hz **G.711A:** 8,000 Hz **G.711Mu:** 8,000 Hz
Interface	**Input:** One (1) Channel **Output:** One (1) Channel

Alarm

Event	Motion/Tampering Detection, Audio Detection, Network Disconnection Detection, IP Conflict Detection, Memory Card State Detection, Memory Space Detection
Linkage	Capture, Recoding, Send Email, Preset, Tour, Pattern, Alarm Digital Output, Audio
Interface	**Input:** Two (2) Channels **Output:** One (1) Channel

Network

Protocol	RJ-45 (10/100 Base-T)
Protocol	HTTP, HTTPS, TCP/IP, IPv4, RTSP, SMTP, NTP, DHCP, DNS, DDNS, IPv6, 802.1x, SSL, QoS, FTP, UPnP, SNMP, ARP, RTCP, RTP, PPPoE, RTMP, Bonjour, NFS
Interoperability	ONVIF (Profile S/G/T), CGI, SDK, P2P

Network

Browser	Chrome, Firefox, Safari
Client	LumiViewer, LumiViewer Mobile App
Strorage	FTP/SFTP, NAS, Micro SD Card (Max. 512 GB)

Electrical

Power Supply	24 VDC, PoE+ (802.3at)
Power Consumption	15 W (Max.)

Construction

Net Weight	2.2 kg (4.9 lb)
Gross Weight	3.7 kg (8.2 lb)
Operating Temperature	−22 °F to +140 °F (-30 °C to +60 °C)
Protection Ratings	IK10
Dimensions	Φ198.2 mm × 176.6 mm (Φ7.8 in. × 7.0 in.)
Material	Metal

Certifications and Compliance

Certifications	FCC, UL, IC
Compliance	NDAA

For all possible accessory combinations for this product, please view our accessory selector at https://www.luminyscorp.com/products/accessories.

Dimensional Drawing

mm [in.]