

# 4MP Network 32x LumiSearch PTZ Camera

P5C-4SA32



## Key Features

- 4MP In-Ceiling Dome Housing
- 32x Maximum Optical Zoom
- Video Content Analytics+: Line Crossing, Intrusion, Loitering Detection, Parking Detection
- Face Detection, People Counting
- LumiSearch
- iMD, LumiTracking, LumiFocus
- LumiPolarPro and LumiDesertPro

## 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 **P5C-4SA32** is part of Luminys's mainstream series of security devices. Mainstream series devices are designed with a 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 enables fast target detection and tracking in security video using a single reference image. The algorithm analyzes body shape to locate a person across any LumiSearch-enabled camera or NVR. It does not use facial recognition, require pre-registration, or collect personal data; instead, individuals are assigned random numbers used only for matching.

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

**LumiPolarPro** and **LumiDesertPro** technology ensure rugged all-weather performance. LumiPolarPro enables dependable performance in temperatures as low as -40 °C (-40 °F). LumiDesertPro allows operation in temperatures up to 60 °C (140 °F).

# Specifications

## Camera

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

## Lens

Focal Length	4.8 mm to 154.0 mm
Aperature	F1.6 to F4.0
Field of View	<b>Horizontal:</b> 55.8° to 2.3° <b>Vertical:</b> 31.9° to 1.3° <b>Diagonal:</b> 63.7° to 2.7°
Close Focus Range	0.1 m to 1.5 m (0.3 ft to 4.9 ft)
DORI Distance	<b>Detect:</b> 315.9 ft to 10,104.3 ft (96.3 m to 3079.8 m) <b>Observe:</b> 125.3 ft to 3,991.1 ft (38.2 m to 1,216.5 m) <b>Recognize:</b> 64.0 ft to 2,019.4 ft (19.5 m to 615.5 m) <b>Identify:</b> 32.2 ft to 1,010.5 ft (9.8 m to 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
Tour	8 (Up to 32 Presets per Tour)
Pattern	5
Scan	5
Scheduled Modes	Preset, Pattern, Tour, Scan
Preset Freezing	Freezes Images Between Presets
LumiFocus	Images Maintain Focus When Zooming In or Out

## Video

Compression	Smart Encoding H.265+, H.265, Smart Encoding H.264+, H.264, MJPEG (Sub Stream 1 Only)
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), D1 (704 × 480), CIF (352 × 240)

## Video

Maximum Frame Rate	<b>Main Stream:</b> 4MP/3MP/1080p/1.3MP/720p at 30 fps <b>Sub Stream 1:</b> D1/VGA/CIF at 30 fps <b>Sub Stream 2:</b> 1080p/1.3MP/720p at 30 fps
Video Bit Rate	<b>H.265:</b> 38 kbps to 8960 kbps <b>H.264:</b> 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	Eight (8) Areas
Privacy Masking	24 Areas (Up to 8 Areas in the Same View)

## Analytics

Video Content Analytics+	Line Crossing, Intrusion, Loitering Detection, Parking Detection, People Counting, 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	Enter/Exit and In-Area People Counting, Queue Management With Report
LumiSearch	Supported When Used With LumiSearch-Enabled NVRs
LumiTracking	Automatically Tracks a Target in Motion for an Allotted Amount of Time or Until the Object Exits the Scene

## Audio

Compression	G.711a, G.711Mu, PCM, AAC
Sampling Bitrate	<b>PCM:</b> 8,000 Hz, 16,000 Hz, 32,000 Hz <b>G.711A:</b> 8,000 Hz <b>G.711Mu:</b> 8,000 Hz <b>AAC:</b> 8,000 Hz, 16,000 Hz, 32,000 Hz, 48,000 Hz, 64,000 Hz
Interface	<b>Input:</b> One (1) Channel <b>Output:</b> 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	<b>Input:</b> Two (2) Channels <b>Output:</b> 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
Browser	Chrome, Firefox, Safari
Client	LumiViewer, LumiViewer Mobile App
Storage	FTP/SFTP, NAS, Micro SD Card (Max. 512 GB)

Electrical

Power Supply	24 VDC (2.5 A ± 25%), PoE+ (802.3at)
Power Consumption	15 W (Max.)

Construction

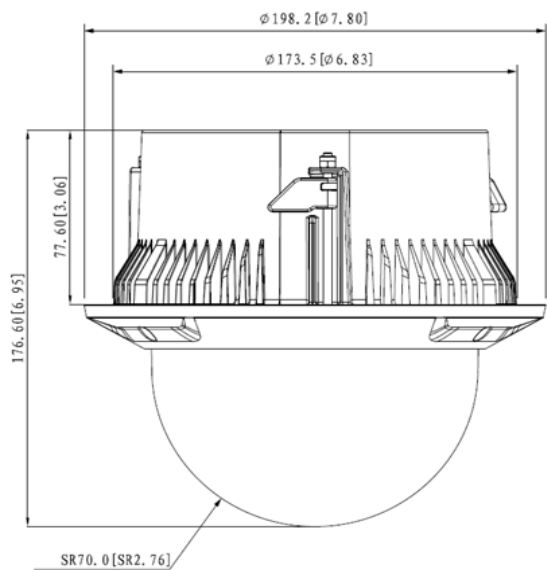
Net Weight	2.2 kg (4.9 lb)
Gross Weight	3.7 kg (8.2 lb)
Operating Temperature	-22 °F to +140 °F (-30 °C to +60 °C)
Protection Ratings	IK10
Dimensions	Φ198.2 mm × 176.6 mm (Φ7.8 in. × 7.0 in.)
Material	Metal

Certifications and Compliance

Certifications	FCC, IC
Compliance	NDAA

Dimensional Drawing

mm [in.]



Replacement Components

Below are the replacement components available for this product. Not all product components are available for replacement. All replacement components must be purchased separately. For more information, visit the official Luminy's website or contact your authorized Luminy's distributor.

SKU	Description
P5C-B01 (Must be Purchased Separately)	Smoked Polycarbonate Replacement Bubble (5.5 inch)