

8MP Dual-Sensor Panoramic Camera

N9P-8RB2



Key Features

- 8MP Panoramic Housing
- 2.8 mm Fixed Lens
- Intelligent Motion Detection (iMD)

Certifications and Compliance

- NDAA Compliant
- FCC
- UL

Learn More



Learn more about this product's key technologies.

View all compatible accessories for this product.

Overview

The **N9P-8RB2** is part of Luminys's N9 Specialty series. N9 series devices are designed to improve operations and surpass today's highest security standards, providing increased situational awareness and comprehensive security.

Key Technologies

Intelligent Motion Detection (iMD) technology accurately detects and filters humans and vehicle in a monitoring area. Using an advanced algorithm, iMD can accurately detect humans and vehicles while reducing false alarms caused by other objects, animals, or lighting. Users can be alerted to iMD events for timely security. iMD events can be saved for future reference and easily searched for at a later time for forensic analysis and to assist in investigations.

Specifications

Camera

Luminys Series	N9 Series (Specialty)
Image Sensor	Two (2) 1/2.7-in. 8MP Progressive CMOS
Maximum Resolution	4864 x 1632
Minimum Illumination	Color: 0.018 Lux at F1.2 Black and White: 0.01 Lux at F1.2 0 Lux With IR Illumination On
Number of Illuminators	Eight (8) IR LEDs
Illuminator Control	Automatic, Manual
Maximum Illumination Distance	Up to 20.0 m (65.6 ft)
Electronic Shutter Speed	Automatic, Manual 1/30 s to 1/32,000 s
Installation Angle	Tilt: 0° to 20°
S/N Ratio	> 58 dB

Lens

Iris Type	Fixed
Lens Type	Fixed
Focal Length	2.8 mm
Maximum Aperature	F1.2
Field of View	Horizontal: 180° Vertical: 50° Diagonal: 180°
Close Focus Range	1.0 m (3.3 ft)
DORI Distance	Detect: 58.1 m (190.6 ft) Observe: 23.2 m (76.1 ft) Recognize: 11.6 m (38.1 ft) Identify: 5.7 m (18.7 ft)

Video

Compression	H.265, H.264, MJPEG (Sub Stream Only)
Stream Capability	Three (3) Streams
Resolution	4864 x 1632, 3648 x 1232, 2432 x 816, 1216 x 416
Maximum Frame Rate	8MP (4864 x 1632) at 30 FPS
Video Bit Rate	20 Kbps to 80 Mbps
Bit Rate Control	CBR/VBR
Day/Night	BLC, HLC, HLM
Light Balancing	Wide Dynamic Range (120 dB)
Noise Reduction	3D NR
Defog	Supported
Region of Interest	Three (3) Zones
Privacy Masking	Five (5) Zones

Analytics

Intelligent Motion Detection	Supported with Alarms for Vehicles and Humans
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Audio

Compression	G.711, G.726, MPEG-2 AAC-LC
Interface	Input: Built-in Microphone

Alarm

Event	Audio Detection, Camera Tampering Detection, Cybersecurity Events (Brute Force Attack Event, Cyberattack Event, Quarantine Event), Manual Trigger, Motion Detection, Periodical Trigger, Recording Notification, SD Card Life Expectancy, Shock Detection, System Boot
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Network

Interface	RJ-45 (10/100 Base-T)
Protocol	IEEE 802.1x, ARP, Bonjour, CIFS/ SMB, DDNS, DHCP, DNS, FTP, HTTP, HTTPS, ICMP, IGMPv3, IPv4, IPv6, NTP, PPPoE, QoS (CoS/DSCP), RTSP/RTP/ RTCP, SMTP, SNMP, SSL, TCP/IP, TLS 1.2, UDP, UPnP,
Interoperability	ONVIF (Profile S/G/T)
Browser	Chrome, Firefox, Edge
Storage	MicroSD Card (Max. 1 TB), SDHC Card, SDXC Card

Electrical

Power Supply	IEEE 802.3at PoE Class 4
Power Consumption	Maximum (IR On): 20 W Standard (IR Off): 13.5 W

Construction

Net Weight	1.2 kg (2.6 lb)
Operating Temperature	IR On: -40 °C to 50 °C (-22 °F to 122 °F) IR Off: -40 °C to 55 °C (-22 °F to 131 °F) < 98% RH (Non-Condensing)
Protection Ratings	IP66, IK10
Dimensions	165.0 mm × 112.0 mm × 119.0 mm (6.5 in. × 4.4 in. × 4.7 in.)
Material	Metal

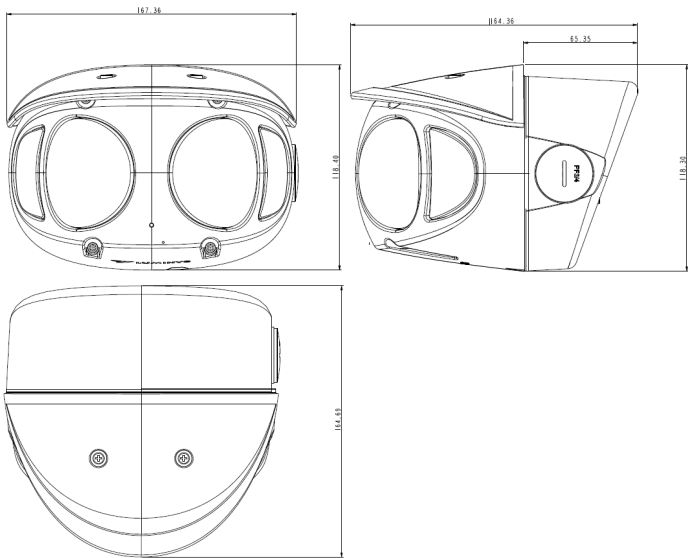
Certifications and Compliance

Certifications	FCC, UL
Compliance	NDA



Dimensional Drawing

mm [in.]



Compatible Accessories

Below are the compatible accessories combinations for this product. All SKUs listed must be purchased to complete an accessory combination. For more information and to see mounting combinations, please view our accessory selector at <https://www.luminyscorp.com/products/accessories>.

Accessory Combination	SKU(s)	Description
Wall Mount	N9P-W01	Wall Mount Bracket