4MP Network LumiColor Bullet Camera (2.8 mm)

N5B-4CA2

Key Features

- 4MP Bullet Housing
- 2.8 mm Lens
- LumiColor — White-Light LEDs
- Video Content Analytics+: Line Crossing, Intrusion, Loitering Detection, Parking Detection
- LumiAnalytics, Face Detection, People Counting, Heat Map, LumiSearch
- iMD, Queue Management, Smart Object Detection
- LumiPower

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 **N5B-4CA2** is part of Luminys's N5 mainstream series of security devices. N5 mainstream series devices are designed with a suite of advanced LumiTechnologies to meet the needs of today's evolving security market.

Key Technologies

LumiColor technology allows you to capture color footage in complete darkness (0 lux). Cameras with this technology have integrated white-light LEDs to illuminate scenes in low lighting. The integrated white lights work in combination with a large aperture lens to capture more available light and reproduce color images with superior detail and contrast.

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.

LumiPower technology enables long-distance Power over Ethernet transmission, extending power and data delivery up to 3,000 feet. This simplifies installations in larger or more complex environments by eliminating the need for additional power sources or repeaters. LumiPower ensures consistent connectivity and dependable power management, ideal for expansive security infrastructures.

Specifications

Camera

Luminys Series	N5 Series (Mainstream)
Image Sensor	1/1.8-in. 4MP Progressive CMOS
Maximum Resolution	2688 × 1520
Minimum Illumination	0.0005 Lux at F1.0 0 Lux With White Light On
Number of Illuminators	Four (4) White-Light LEDs
Illuminator Control	Automatic, Manual
Maximum Illumination Distance	Up to 30.0 m (98.0 ft)
Electronic Shutter Speed	Automatic, Manual 1/3 s to 1/100,000 s
Installation Angle	**Pan:** 0° to 360° **Tilt:** 0° to 90° **Rotation:** 0° to 360°
S/N Ratio	> 56 dB

Lens

Iris Type	Fixed
Lens Type	Fixed
Focal Length	2.8 mm
Maximum Aperature	F1.0
Field of View	**Horizontal:** 112° **Vertical:** 60° **Diagonal:** 135°
Close Focus Range	1.6 m (5.3 ft)
DORI Distance	**Detect:** 58.2 m (190.9 ft) **Observe:** 23.3 m (76.4 ft) **Recognize:** 11.6 m (38.1 ft) **Identify:** 5.8 m (19.0 ft)

Video

Compression	H.265, H.264, H.264H, H.264B, MJPEG (Sub Stream Only)
Stream Capability	Three (3) Streams
Resolution	4MP (2688 × 1520/2560 x 1440), 3MP (2304 x 1296/2048 × 1536), 1080p (1920 × 1080), 1.3MP (1280 × 960), 720p (1280 × 720), D1 (704 × 480), VGA (640 × 480), CIF (352 × 240)
Maximum Frame Rate	**Main Stream:** 2688 × 1520 at 30 fps **Sub Stream 1:** D1 at 30 fps **Sub Stream 2:** 1920 × 1080 at 30 fps
Video Bit Rate	**H.265:** 12 kbps to 16384 kbps **H.264:** 32 kbps to 16384 kbps
Bit Rate Control	CBR/VBR
Day/Night	Color, Black and White
Light Balancing	Wide Dynamic Range (130 dB)
Noise Reduction	3D NR
Image Rotation	0°/90°/180°/270° (Supports 90°/270° With 4MP Resolution and Lower)
Mirroring	Supported
Region of Interest	Four (4) Zones
Privacy Masking	Four (4) Zones

Analytics

Video Content Analytics	Line Crossing, Intrusion, Loitering Detection, Parking Detection
Intelligent Motion Detection	Supported with Alarms for Vehicles and Humans
Face Detection	Capture Snapshots and Facial Attributes
Heat Map	Supported
People Counting	Tripwire and In-Area People Counting, Queue Management With Report
LumiSearch	Supported When Used With LumiSearch-Enabled NVRs
LumiAnalytics	Supported
Object Monitoring	Supported

Audio

Compression	PCM, G.711a, G.711Mu, AAC
Interface	**Input:** Built-in Microphone

Alarm

Event	No SD Card, SD Card Full, SD Card Error, Network Disconnection, IP Conflict, Illegal Access, Motion Detection, Video Tampering, Voltage Detection, Security Exception, Line Crossing, Intrusion, Fast Moving, Loitering Detection, Aggregate Detection, Scene Changing, Audio Detection, Face Detection, iMD, Area People Counting, Stay Alarm, People Number Exception Detection, Object Monitoring

Network

Interface	RJ-45 (10/100 Base-T)
Protocol	IPv4, IPv6, HTTP, HTTPS, TCP, UDP, ARP, RTP , RTSP, RTCP, RTMP, SMTP, FTP, SFTP, DHCP, DNS, DDNS, QoS, UPnP, NTP, Multicast, ICMP, IGMP, NFS, PPPoE, 802.1x
Interoperability	ONVIF (Profile S/G/T), API, SDK
Browser	Chrome, Firefox
Client	LumiViewer, LumiViewer Mobile App
Strorage	FTP, SFTP, NAS, MicroSD Card (Max. 512 GB)

Electrical

Power Supply	12 VDC, PoE (802.3at), LumiPower
Power Consumption	12 VDC • **Maximum:** 8.9 W • **Normal:** 2.7 W PoE • **Maximum:** 11.6 W • **Normal:** 4.2 W

Construction

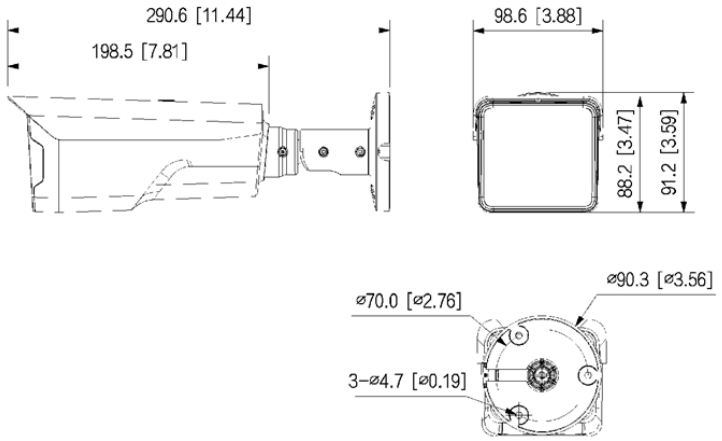
Net Weight	1.1 kg (2.3 lb)
Gross Weight	1.3 kg (2.9 lb)
Operating Temperature	-40 °C to 60 °C (-40 °F to 140 °F) < 95% RH (Non-Condensing)
Storage Temperature	-40 °C to 60 °C (-40 °F to 140 °F)
Protection Ratings	IP67, IK10
Dimensions (L × W × H)	290.6 mm × 98.6 mm × 88.2 mm (11.4 in. × 3.9 in. × 3.5 in.)
Material	Metal

Certifications and Compliance

Certifications	FCC, IC
Compliance	NDAA

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
Junction Box*	N5B-J01	IP66 Waterproof Junction Box
	N5B-A01	Waterproof Joint (White)
Vertical Pole Mount*	N5B-J01	IP66 Waterproof Junction Box
	N5B-A01	Waterproof Joint (White)
	N3/N5-P01	Pole Mount Bracket
Pendant Mount*	N5B-J01	IP66 Waterproof Junction Box
	N5B-A01	Waterproof Joint (White)
	C01	Corner Mount Bracket

*All SKUs must be purchased to complete the mounting combination. Failure to purchase all SKUs listed will result in an incomplete mount.

Rev. 1 | © 2025 Luminys Systems Corporation. All rights reserved. Design and specifications are subject to change without notice.