

# 4MP Network LumiColor Bullet Camera (2.8 mm)

N5B-4CA2



## Key Features

- 4MP Bullet Housing
- 2.8 mm Lens
- LumiColor With White-Light LEDs
- Video Content Analytics+: Line Crossing, Intrusion, Loitering Detection, Parking Detection
- LumiAnalytics: Face Detection, People Counting, Heat Map, Queue Management, Smart Object Detection
- iMD
- LumiPower
- 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 N5B-4CA2 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

**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** is the umbrella for Face Detection, People Counting, Queue Management, Smart Object Detection, and Heat Map. These analytics use 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.

**LumiPolarPro** and **LumiDesertPro** technology ensure rugged all-weather performance. Depending on the product model, LumiPolarPro enables dependable performance in -40 °C (-40 °F) or lower, and LumiDesertPro allows operation in temperatures 60 °C (140 °F) or higher.

# Specifications

## Camera

Luminys 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 Aperture	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 × 1440), 3MP (2304 × 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	Face Detection, People Counting, Heat Map, Queue Management, Smart Object Detection
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
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## 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
Storage	FTP, SFTP, NAS, MicroSD Card (Max. 512 GB)

## Electrical

Power Supply	12 VDC, PoE (802.3at), LumiPower
12 VDC	<ul style="list-style-type: none"> <li>Maximum: 8.9 W</li> <li>Normal: 2.7 W</li> </ul>
Power Consumption	<ul style="list-style-type: none"> <li>Maximum: 11.6 W</li> <li>Normal: 4.2 W</li> </ul>

## Construction

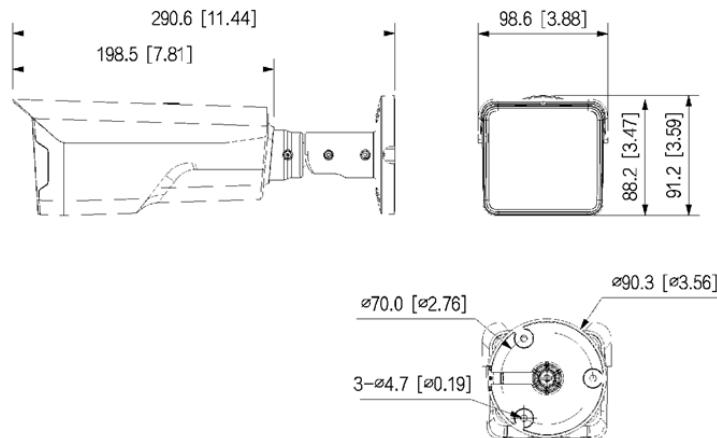
Net Weight	1.1 kg (2.3 lb)
Gross Weight	1.3 kg (2.9 lb)
Operating Temperature	-40 °C to 60 °C (-40 °F to 140 °F) < 95% RH (Non-Condensing)
Storage Temperature	-40 °C to 60 °C (-40 °F to 140 °F)
Protection Ratings	IP67, IK10
Dimensions (L × W × H)	290.6 mm × 98.6 mm × 88.2 mm (11.4 in. × 3.9 in. × 3.5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

## Certifications and Compliance

Certifications	FCC, IC
Compliance	NDAA

## Dimensional Drawing

mm [in.]



## Compatible Accessories

Below are the compatible accessories 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*	N5B-J01 (Must be Purchased Separately)	Junction Box for Select Standard Size Bullet Camera Models
	N5B-A01 (Must be Purchased Separately)	G3/4 in. Water Joint for Standard Size Bullet Junction Boxes
Vertical Pole Mount*	N5B-J01 (Must be Purchased Separately)	Junction Box for Select Standard Size Bullet Camera Models
	N5B-A01 (Must be Purchased Separately)	G3/4 in. Water Joint for Standard Size Bullet Junction Boxes
Corner Mount*	N3/N5-P01 (Must be Purchased Separately)	Pole Mount Bracket for Select Standard Size Bullet, Dome, and Turret Cameras
	N5B-J01 (Must be Purchased Separately)	Junction Box for Select Standard Size Bullet Camera Models
	N5B-A01 (Must be Purchased Separately)	G3/4 in. Water Joint for Standard Size Bullet Junction Boxes
	C01 (Must be Purchased Separately)	Corner Mount Bracket for N3/N5/N9/P4/P5 Series Cameras

\*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.