

# 8MP Network LumiLightBand Turret Camera (2.8 mm)

N3T-8BA2



## Key Features

- 8MP Turret Housing
- 2.8 mm Lens
- Dual Illumination With Built-In IR and White-Light LEDs
- Video Content Analytics: Line Crossing and Intrusion
- iMD
- 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 **N3T-8BA2** is part of Luminys's LumiLightBand Starter Series.

LumiLightBand cameras offer three low-light modes: covert IR-only mode, nighttime white-light deterrent LEDs, and motion-activated IR and LED dual-illumination. The brightness and intensity of the white-light LEDs can be remotely adjusted, preventing unnecessary light pollution.

The LumiLightBand series provides smart features without unnecessary or complicated add-ons to meet the needs of today's evolving security market.

## Key Technologies

**LumiLightBand** technology activates a camera's light strip according to a schedule, event trigger, or motion detection. When the camera's sensor detects motion, the semi-ring of colorful LEDs turn red to deter intruders. Once motion stops, the colorful LEDs return to their normal state. The lights come in eight (8) different colors and can be set to keep steady, wave, or flash for a specific amount of time.

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

# Specifications

## Camera

Luminys Series	Starter
Image Sensor	1/2.8-in. 8MP Progressive CMOS
Maximum Resolution	3840 × 2160
Minimum Illumination	<b>Color:</b> 0.008 Lux at F1.6 (30 IRE) <b>Black/White:</b> 0.0008 Lux at F1.6 (30 IRE) 0 Lux With IR Light On
Number of Illuminators	One (1) IR LED, Two (2) White-Light LEDs Supports LumiLightBand
Illuminator Control	Automatic, Manual
Maximum Illumination Distance	<b>IR/Warm-Light:</b> Up to 30.0 m (98.4 ft)
Electronic Shutter Speed	Automatic, Manual; 1/3 s to 1/100,000 s
Installation Angle	<b>Pan and Rotation:</b> 0° to 360° <b>Tilt:</b> 0° to 78°
S/N Ratio	> 50 dB

## Lens

Iris Type	Fixed
Lens Type	Fixed
Focal Length	2.8 mm
Maximum Aperature	F1.6
Field of View	<b>Horizontal:</b> 111° <b>Vertical:</b> 58° <b>Diagonal:</b> 132°
Close Focus Range`	1.5 m (4.9 ft)
DORI Distance	<b>Detect:</b> 58.2 m (190.9 ft) <b>Observe:</b> 23.3 m (76.4 ft) <b>Recognize:</b> 11.6 m (38.1 ft) <b>Identify:</b> 5.8 m (19.0 ft)

## Video

Compression	Smart Encoding H.265+, H.265, Smart Encoding H.264+, H.264, MJPEG (Sub Stream Only)
Stream Capability	Two (2) Streams
Resolution	8MP (3840 × 2160), 6MP (3072 × 2048), 5MP (3072 × 1728), 5MP (2880 × 1620), 4MP (2688 × 1520), 3.6MP (2560 × 1440), 3MP (2048 × 1536), 3MP (2304 × 1296), 1080p (1920 × 1080), 1.3MP (1280 × 960), 720p (1280 × 720), D1 (704 × 576/704 × 480), VGA (640 × 480), CIF (352 × 288/352 × 240)
Maximum Frame Rate	<b>Main Stream:</b> 3840 × 2160 at 20 fps <b>Sub Stream:</b> D1 at 20 fps
Video Bit Rate	<b>H.264:</b> 32 to 8192 kbps <b>H.265:</b> 12 to 8192 kbps
Bit Rate Control	CBR/VBR
Day/Night	Automatic (ICR), Color, Black and White
Light Balancing	Wide Dynamic Range (120 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
Intelligent Motion Detection	Supported With Alarms for Vehicles and Humans

## Audio

Compression	PCM, G.711a, G.711Mu
Interface	<b>Input:</b> Built-in Microphone

## Alarm

Event	No SD Card, Disk Full, SD Card Error, Offline, IP Conflict, Illegal Access, Motion Detection, Video Tampering, Voltage Detection, Security Exception, Line Crossing, Intrusion, Audio Detection, iMD
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## Network

Protocol	RJ-45 (10/100 Base-T)
Protocol	IPv4, IPv6, HTTP, TCP, UDP, ARP, RTP,RTSP, RTMP, FTP, SFTP ,NAS, DHCP,DNS DDNS, QoS, UPnP, NTP , NFS, PPPoE, SMTP, 802.1x
Interoperability	ONVIF (Profile S/G/T), CGI, SDK
Browser	Chrome, Firefox, Edge
Client	LumiViewer, LumiViewer Mobile App
Storage	FTP, SFTP, NAS, MicroSD Card (Max. 256 GB)

## Electrical

Power Supply	12 VDC, PoE (802.3af)
Power Consumption	<b>12 VDC:</b> 8.4 W (Max.), 3.2 W (Normal) <b>PoE:</b> 9.8 W (Max.), 4.3 W (Normal)

## Construction

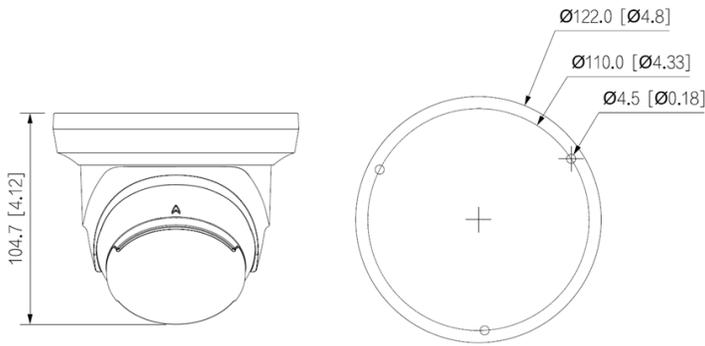
Net Weight	0.5 kg (1.1 lb)
Gross Weight	0.7 kg (1.4 lb)
Operating Temperature	-40 °C to 60 °C (-40 °F to 140 °F) < 95% RH (Non-Condensing)
Storage Temperature	-40 °C to 60 °C (-40 °F to 140 °F)
Protection Ratings	IP67
Dimensions (L × W × H)	Φ 122.0 mm × 104.7 mm (Φ 4.8 in. × 4.1 in.)
Material	Metal

## Certifications and Compliance

Certifications	FCC, IC
Compliance	NDA

## 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	N5D/N5T/N3T-J01 <i>(Must be Purchased Separately)</i>	Junction Box for Select Standard Size Dome and Mini Turret Camera Models
Wall Mount	N5D/N5T/N3T-W01 <i>(Must be Purchased Separately)</i>	Wall Mount Bracket for Select N5D Dome and N5T/N3T Turret Cameras
Horizontal Pole Mount (Option 1)*	N5D/N5T/N3T-W01 <i>(Must be Purchased Separately)</i>	Wall Mount Bracket for Select N5D Dome and N5T/N3T Turret Cameras
	N3/N5-P01 <i>(Must be Purchased Separately)</i>	Pole Mount Bracket for Select N3 and N5 Series Cameras
Horizontal Pole Mount (Option 2)*	N5D/N5T/N3T-A01 <i>(Must be Purchased Separately)</i>	Adapter Plate for Select Dome and Turret Cameras
	N5D/N5T/N3T/P45/P5-W01 <i>(Must be Purchased Separately)</i>	Wall Mount Bracket for Select N5D, N5T, N3T, P45, P54, and P55 Cameras
	P01 <i>(Must be Purchased Separately)</i>	Pole Mount Bracket for Select N3 and N5 Series Cameras
Vertical Pole Mount*	N5D/N5T/N3T-A01 <i>(Must be Purchased Separately)</i>	Junction Box for Standard Size Turret Camera Models
	N5D/N5T/N3T/N5P-E01 <i>(Must be Purchased Separately)</i>	Ceiling Mount Bracket for Standard Dome, Dome Wedge, and Mini Turret Cameras
	P01 <i>(Must be Purchased Separately)</i>	Pole Mount Bracket for Select N3 and N5 Series Cameras
Pendant Mount*	N5D/N5T/N3T-A01 <i>(Must be Purchased Separately)</i>	Adapter Plate for Select Dome and Turret Cameras
	N5D/N5T/N3T/N5P-E01 <i>(Must be Purchased Separately)</i>	Ceiling Mount Bracket for Standard Dome, Dome Wedge, and Mini Turret Cameras
Corner Mount*	N5D/N5T/N3T-A01 <i>(Must be Purchased Separately)</i>	Adapter Plate for Select Dome and Turret Cameras
	N5D/N5T/N3T/P45/P5-W01 <i>(Must be Purchased Separately)</i>	Wall Mount Bracket for Select N5D, N5T, N3T, P45, P54, and P55 Cameras
	C01 <i>(Must be Purchased Separately)</i>	Corner Mount Bracket for N3/N5/N9/P4/P 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.