2 × 6MP Network LumiDeterrent Stitched Turret Camera (2.8 mm)

N5P-12DB2



Key Features

- 2 × 6MP Turret Housing
- 180° Stitched Multi-Sensor
- 2.8 mm Lens
- LumiDeterrent With Red/Blue Lights and Built-in Speaker
- Video Content Analytics: Line Crossing, Intrusion
- Face Detection, Loitering Detection
- LumiSearch
- iMD, LumiTracking-E
- 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 **N5P-12DB2** is a panoramic turret camera that stitches two (2) 6MP 1/2.5-in. camera sensors into a seamless 180° field of view. Built for perimeters, parking lots, and wide storefronts, it is equipped with full-color low-light imaging down to 0.0009 lux with built-in red-and-blue warning lights, a two-way audio intercom, and on-board loitering detection and video content analytics (VCA). This single unit can cover the same amount of area as two cameras while providing proactive deterrence.

Key Technologies

LumiDeterrent technology integrates covert IR-only recording, full-color video using white-light LEDs, dual IR and white-light illumination, active deterrence, and AI algorithms to provide 24/7 security. This technology can accurately identify potential risks and prevent incidents with red and blue light alarms and enhanced sound alarms.

Video Content Analytics (VCA) is the umbrella for line crossing and intrusion analytics. Line Crossing identifies when a person or object crosses a defined line. Intrusion detects when a person or object breaches the boundaries of a defined area or enters a restricted area. VCA is available on most Luminys network cameras.

LumiSearch technology lets you quickly find, track, and identify targets in security video 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 video captured by any LumiSearch-enabled camera and NVR.

Intelligent Motion Detection (iMD) technology accurately detects and filters humans and vehicles 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.

LumiTracking-E technology enhances security and efficiency using electronic 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.

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	Dual 1/2.5-in. 6MP Progressive CMOS
Maximum Resolution	5000 x 2500
Minimum Illumination	**Color:** 0.0009 Lux at F1.0 **Black and White:** 0.0004 Lux at F1.0 0 Lux With IR Illumination On
Number of Illuminators	Four (4) Multi-Core Lights (IR + White Light)
Illuminator Control	Automatic, Manual
Illumination Distance	**IR**: Up to 30.5 m (100.0 ft) **White Light**: Up to 30.5 m (100.0 ft)
Electronic Shutter Speed	Automatic, Manual 1/30 s to 1/30,000 s
Installation Angle	**Pan:** 0° to 360° **Tilt:** 0° to 77° **Rotate:** 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:** 180° **Vertical:** 78°
Close Focus Range	1.4 m (4.6 ft)
DORI Distance	**Detect**: 59.7 m (196.0 ft) **Observe**: 23.9 m (78.0 ft) **Recognize**: 12.0 m (39.0 ft) **Identify**: 6.1 m (20.0 ft)

Video

Compression	Smart Encoding H.265, Smart Encoding H.264, H.265, H.264, MJPEG (Sub Stream 1 Only)
Stream Capability	Three (3) Streams
Resolution	12MP (5000 × 2500), 1080P (1920 × 860), 1200 × 536, 960H (960 × 432), D1 (704 × 480)
Maximum Frame Rate	**Main Stream**: 5000 × 2500 at 20 fps **Sub Stream 1**: 1200 × 536 at 20 fps **Sub Stream 2**: 1920 × 860 at 20 fps
Video Bit Rate	**H.264**: 6 Kbps to 32,768 Kbps **H.265**: 6 Kbps to 32,768 Kbps
Bit Rate Control	CBR/VBR/ABR
Day/Night	Automatic, Color, Black and White
Light Balancing	Wide Dynamic Range (120 dB)
Defog	Supported
Region of Interest	Four (4) Zones
Privacy Masking	Eight (8) Zones

Analytics

Video Content Analytics	Line Crossing, Intrusion
Loitering Detection	Detects a Person or Vehicle Lingering in an Area for a Pre-Set Duration
Intelligent Motion Detection	Supported With Alarms for Vehicles and Humans
Face Detection	Capture Snapshots and Facial Attributes
LumiSearch	Supported When Used With LumiSearch-Enabled NVRs
LumiTracking-E	Zoom In and Track Multiple Humans and Vehicles Simultaneously

Audio

Compression	PCM, G.711a, G.711u
Interface	**Input:** Built-In Dual Microphone, 1-Channel RCA Input **Output:** Built-In Speaker, 1-Channel RCA Output

Alarm

Event	No Disk, Disk Full, Disk Error, Offline, IP Conflict, Motion Detection, Video Tampering, Voltage Detection, Security Warning, Scene Changing, Audio Detection, External Alarm, AI Event
Interface	**Input:** One (1) Channel (3–5 VDC, 5 mA) **Output:** One (1) Channel (30 VDC, 1000 mA / 50 VAC, 500 mA)

Network

Interface	RJ-45 (10/100/1000 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, SAMBA, PPPoE, SNMP, P2P, Bonjour, 802.1x, Auto Registration
Interoperability	ONVIF (Profile S/G/T/M), CGI, API, SDK
Browser	Chrome, Firefox, Edge
Client	LumiViewer Desktop Client, LumiViewer Mobile App
Storage	Micro SD Card (Max. 512 GB), FTP, SFTP, NAS

Electrical

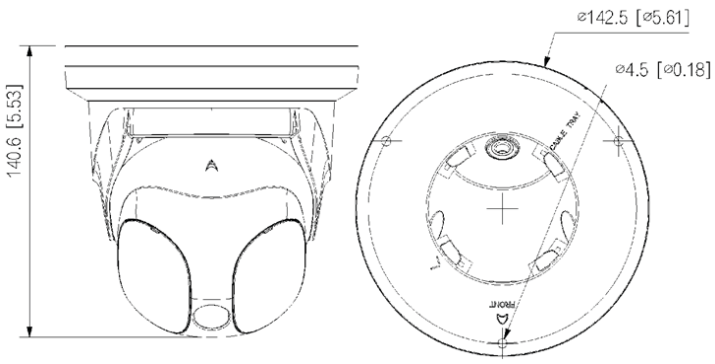
Power Supply	12 VDC (±30%), PoE+ (802.3at)
Power Consumption	**PoE** • **Maximum**: 16.1 W • **Standard**: 6.8 W **12 VDC** • **Maximum** (H.265 + WDR + White Light + LumiDeterrent + Intelligence On): 13.3 W • **Standard**: 4.9 W

Construction

Net Weight	1.1 kg (2.4 lb)
Gross Weight	1.3 kg (3.0 lb)
Operating Temperature	-40 to 60 °C (-40 to 140 °F)
Storage Temperature	-40 to 60 °C (-40 to 140 °F)
Protection Ratings	IP67, IK10
Product Dimensions	140.6 mm × Φ142.5 mm (5.5 in. × Φ5.6 in.)
Packaging Dimensions (L × W × H)	186.0 mm × 185.0 mm × 180.0 mm (7.3 in. × 7.3 in. × 7.1 in.)
Product Material	Metal (Inner Core and Cover), Plastic (Decoration Ring)

Dimensional Drawing

mm [in.]



Certifications and Compliance

Certifications	FCC, IC
Compliance	NDAA

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	LUM-J04 *(Must be Purchased Separately)*	Junction Box for Standard Size Turret Camera Models
Wall Mount	LUM-W04 *(Must be Purchased Separately)*	Wall Mount Bracket for Standard Size Turret Cameras
Horizontal Pole Mount*	LUM-W04 *(Must be Purchased Separately)*	Wall Mount Bracket for Standard Size Turret Cameras
	LUM-P02 *(Must be Purchased Separately)*	Pole Mount Bracket for Select Standard Size Bullet, Dome, and Turret Cameras
Vertical Pole Mount*	LUM-J04 *(Must be Purchased Separately)*	Junction Box for Standard Size Turret Camera Models
	LUM-P02 *(Must be Purchased Separately)*	Pole Mount Bracket for Select Standard Size Bullet, Dome, and Turret Cameras
Pendant Mount*	LUM-A02 *(Must be Purchased Separately)*	Adapter Plate for N5T/N5P Series Turret Cameras
	LUM-E02 *(Must be Purchased Separately)*	Ceiling Mount Bracket for Select Fisheye, Standard Size Turret, Multi-Directional, and PTZ 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.

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