2MP Dual-Illumination HD Analog Camera

A3T-2LA2

Key Features

- 2MP Turret Housing
- 2.8 mm Fixed Lens
- Dual Illumination — IR and White-Light LEDs
- Built-In Microphone
- 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 A3T-2LA2 is part of Luminys's Starter series. Built for CVI, TVI, AHD, and CVBS surveillance systems, this 2MP analog turret camera integrates direcly with existing analog DVRs using a single BNC connection and a DIP-switch format selector.

Dual Illumination combines an IR LED and a white-light LED, extending visibility up to 20.1 m (66.0 ft) in either mode. Digital Wide Dynamic Range, 3D Noise Reduction, and backlight/highlight compensation (HLC, BLC) keep footage clear across high-contrast and low-light scenes.

Key Technologies

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	Starter
Image Sensor	1/3.2-in. 2MP CMOS
Maximum Resolution	1920 × 1080
Minimum Illumination	**Color:** 0.02 Lux at F2.0 **Black/White:** 0.002 Lux at F2.0 0 Lux With IR Light On
Number of Illuminators	One (1) Multi-Core Light (IR + White-Light)
Illuminator Control	Automatic, Manual, Off
Illumination Distance	**IR:** Up to 20.1 m (66.0 ft) **White Light:** Up to 20.1 m (66.0 ft)
Electronic Shutter Speed	Automatic, Manual 1/3 s to 1/100,000 s
Installation Angle	**Pan/Rotation:** 0° to 360° **Tilt:** 0° to 78°
S/N Ratio	> 65 dB

Lens

Iris Type	Fixed
Lens Type	Fixed
Focal Length	2.8 mm
Maximum Aperature	F2.0
Field of View	**Horizontal:** 100° **Vertical:** 54° **Diagonal:** 117°
Close Focus Range	0.5 m (1.6 ft)
DORI Distance	**Detect:** 44.8 m (147.0 ft) **Observe:** : 18.0 m (59.0 ft) **Recognize:** 8.8 m (29.0ft) **Identify:** 4.6 m (15.0 ft)

Video

Stream Capability	One (1)
Video Output	BNC: CVI/TVI/AHD/CVBS (DIP Switch)
Resolution	1080p (1920 × 1080), 720p (1280 x 720), 960H (960 × 480), D1 (704 x 480), CIF (352 x 240)
Maximum Frame Rate	**CVI:** 1080p at 25 fps; NTSC 1080p at 30 fps **AHD:** 1080p at 25 fps; NTSC 1080p at 30 fps **TVI:** 1080p at 25 fps; NTSC 1080p at 30 fps **CVBS:** 960H; NTSC 960H at 30 fps
Day/Night	Automatic (ICR), Color, Black and White
Light Balancing	Digital Wide Dyanmic Range (DWDR)
Noise Reduction	3D NR
Mirror Rotation	Supported

Audio

Interface	**Input:** Built-In Microphone

Electrical

Power Supply	12 VDC
Power Consumption	**Maximum (LED On):** 2.4 W

Construction

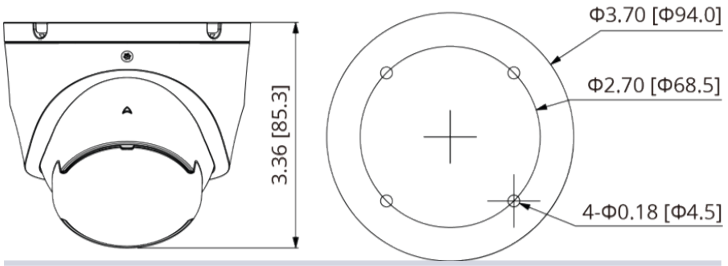
Net Weight	0.3 kg (0.7 lb)
Gross Weight	0.4 kg (0.9 lb)
Operating Temperature	-40 to 60 °C (-40 to 140 °F) < 95% RH (Non-Condensing)
Storage Temperature	-40 to 60 °C (-40 to 140 °F)
Protection Ratings	IP67
Product Dimensions	Φ94.0 mm × 85.3 mm (Φ3.7 in. × 3.4 in.)
Packaging Dimensions (L x W x H)	122.0 mm × 119.0 mm × 111.0 mm (4.8 in. × 4.7 in. × 4.4 in.)
Material	Metal

Certifications and Compliance

Certifications	FCC, IC
Compliance	NDAA

Dimensional Drawing

in. [mm]



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-J05 *(Must be Purchased Separately)*	Junction Box
Wall Mount	LUM-W05 *(Must be Purchased Separately)*	Wall Mount Bracket
Pole Mount*	LUM-P02 *(Must be Purchased Separately)*	Pole Mount Bracket
	LUM-W05 *(Must be Purchased Separately)*	Wall Mount Bracket
Ceiling Mount*	LUM-A02 *(Must be Purchased Separately)*	Adapter Plate
	LUM-E01 *(Must be Purchased Separately)*	Ceiling Mount Bracket

*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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