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LUCID Vision Labs Triton™ TRI081S-MC, Sony IMX546, 8.1MP, Monochrome Camera

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LUCID Vision Labs Triton™ Power over Ethernet (PoE) Cameras



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Monochrome **Spectrum:**

General

Monochrome Camera **Type:**

TRI081S-MC **Model Number:**

Lucid Vision Labs
Triton™

Manufacturer:
Camera Series:

Physical & Mechanical Properties

29 x 29 x 45 (excludes connectors and lens mount)

Dimensions (mm):

67

Weight (g):

Full

Housing:

Sensor

128MB

Image Buffer:

2/3"

Sensor Format:

8.10

Resolution (Megapixels):

13.80

Frame Rate (fps):

2,840 x 2,840

Pixels (H x V):

2.74 x 2.74

Pixel Size, H x V (µm):

7.78 x 7.78

Sensing Area, H x V (mm):

Sony IMX546

Imaging Sensor:

Progressive Scan CMOS

Type of Sensor:

Global

Shutter Type:

12 bit

Pixel Depth:

25.34µs - 10s

Exposure Time:

GigE Vision v2.0

Machine Vision Standard:

Electrical

2.5 (External Power Supply)
3.1 (PoE)

Power Consumption (W):

Hardware & Interface Connectivity

GigE (PoE)

Interface:

GigE, M12

Connector:

Power Supply Required and Sold Separately.
USA: [#18-364](#)
Europe: [#18-364](#)
Japan: [#18-364](#)
Korea: Not Available
China: [#18-364](#)

Power Supply:

1 opto-isolated input, 1 opto-isolated output, 2 non-isolated bi-directional ports

GPIOs:

Hardware Trigger (GPIO), Software Trigger, or PTP (IEEE 1588)

Synchronization:

Back Panel

Interface Port Orientation:

8-pin MB

GPIO Connector Type:

Threading & Mounting

C-Mount

Mount:

¼-20 with Tripod Mount Adapter [#11-474](#)

Mounting Threads:

Environmental & Durability Factors

-20 to +55

Operating Temperature (°C):

-30 to +60

Storage Temperature (°C):

Regulatory Compliance

[View](#)

Certificate of Conformance:

Product Details

- Compact 29 x 29 x 45mm Form Factor
- Global, Rolling, or Polarized CMOS Sensors
- IP67 Protection with Optional Lens Tubes

LUCID Vision Labs Triton™ GigE Power over Ethernet (PoE) Cameras provide exceptional price performance in a compact 29 x 29mm form factor. These cameras are available with Sony's Pregius™ and Starvis™ imaging sensors with up to 24.5 megapixels of resolution, as well as Sony's polarized sensor. Each imaging sensor is actively aligned during manufacturing, ensuring sharp and crisp images even in the corners. Using the accessory IP67 lens tubes (sold separately), LUCID Vision Labs Triton GigE Power over Ethernet (PoE) Cameras can operate in harsh environments where dust or water are present up to IP67 thresholds. Triton cameras are ideal for automotive, process control, and food and beverage applications.

Calibration Services

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