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LUCID Vision Labs Triton2™ TRT016S-MC, Sony IMX273, 1.6MP, Monochrome Camera

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LUCID Vision Labs Triton2™ 2.5GigE Power over Ethernet (PoE) Cameras - Front

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Spectrum:
Monochrome

General

Type:
Monochrome Camera

Model Number:
TRT016S-MC

Manufacturer:

Lucid Vision Labs

Camera Series:
Triton2™

Physical & Mechanical Properties

Dimensions (mm):
44.0 x 29.0 x 45.3 (excludes connectors and lens mount)

Weight (g):
90

Housing:
Full

Sensor

Image Buffer:
128MB

Sensor Format:
1/2.9"

Resolution (Megapixels):
1.60

Frame Rate (fps):
166.30

Pixels (H x V):
1,440 x 1,080

Pixel Size, H x V (µm):
3.45 x 3.45

Sensing Area, H x V (mm):
4.97 x 3.73

Imaging Sensor:
Sony IMX273

Type of Sensor:
Progressive Scan CMOS

Shutter Type:
Global

Pixel Depth:
12 bit

Exposure Time:
19.58µs to 10s

Dynamic Range (dB):
48.0

Machine Vision Standard:
GigE Vision v2.0

Electrical

Power Consumption (W):
4.5 (External Power Supply) 5.0 (PoE)

Hardware & Interface Connectivity

Interface:
2.5GigE (PoE)

Connector:
2.5GigE, GigE, M12

Power Supply:
Power Supply Required and Sold Separately:
USA: **#18-364**
Europe: **#18-365**
Japan: **#18-364**
Korea: Not Available
China: **#18-365**

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

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

Interface Port Orientation:
Back Panel

GPIO Connector Type:
8-pin M8

Threading & Mounting

Mount:
C-Mount

Mounting Threads:
¼-20 with Tripod Mount Adapter

Environmental & Durability Factors

Operating Temperature (°C):

-20 to +55

Storage Temperature (°C):

-30 to +60

Regulatory Compliance

Certificate of Conformance:

View

Product Details

- 2.5GBASE-T (2.5GigE) Ethernet Interface
- 5.0 to 24.50 MegaPixel Sensors
- Compact 44 x 29 x 45.3mm Form Factor
- IP67 Protection with Optional Lens Tubes

LUCID Vision Labs Triton2™ 2.5GigE Power over Ethernet (PoE) Cameras provide data transfer speeds of 2.5GigE enabling high frame rates at increased resolutions. Featuring an actively aligned image sensor, these cameras are designed to minimize sensor tilt and rotation and ensure alignment of the image sensor to the lens optical axis. For harsh environments with dust or water, accessory lens tubes are available to ensure an IP67 rating. LUCID Vision Labs Triton2™ 2.5GigE Power over Ethernet (PoE) Cameras feature excellent thermal management with a wide operating temperature range from -20°C to 55°C. These cameras are ideal for automotive, process control, and food and beverage applications.

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