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LUCID Vision Labs Triton™ TRI023S-CC, Sony IMX392, 2.3MP, Color Camera

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

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Spectrum:

Color

General

Type:

Color Camera

Model Number:

TRI023S-CC

Manufacturer:
Lucid Vision Labs

Camera Series:
Triton™

Physical & Mechanical Properties

Dimensions (mm):
29 x 29 x 45 (excludes connectors and lens mount)

Weight (g):
67

Housing:
Full

Sensor

Image Buffer:
128MB

Sensor Format:
1/2.3"

Resolution (Megapixels):
2.30

Frame Rate (fps):
52.00

Pixels (H x V):
1,920 x 1,200

Pixel Size, H x V (µm):
3.45 x 3.45

Sensing Area, H x V (mm):
6.62 x 4.14

Imaging Sensor:
Sony IMX392

Type of Sensor:
Progressive Scan CMOS

Shutter Type:
Global

Pixel Depth:
12 bit

Exposure Time:
30µs - 10s

Dynamic Range (dB):
71.52

Machine Vision Standard:
GigE Vision v2.0

Electrical

Power Consumption (W):
2.5 (External Power Supply)
3.1 (PoE)

Hardware & Interface Connectivity

Interface:
GigE (PoE)

Connector:
GigE, M12

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

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 **#11-474**

Environmental & Durability Factors

Operating Temperature (°C):

-20 to +55

Storage Temperature (°C):

-30 to +60

Regulatory Compliance

Certificate of Conformance:

View

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.

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