

LUCID Vision Labs Triton™ TRI122S-CC, Sony IMX226, 12.2MP, Color Camera

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



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SPECIFICATIONS

General

Type:

Color Camera	
TR1122S-CC	Model Number:
Lucid Vision Labs	Manufacturer:
Triton™	Camera Series:

Color	Spectrum:
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Physical & Mechanical Properties

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

Full	Housing:
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Sensor

128MB	Image Buffer:
1/1.7"	Sensor Format:

12.20	Resolution (Megapixels):
9.70	Frame Rate (fps):

4,024 x 3,036	Pixels (H x V):
1.85 x 1.85	Pixel Size, H x V (µm):

7.44 x 5.62	Sensing Area, H x V (mm):
Sony IMX226	Imaging Sensor:

Progressive Scan CMOS	Type of Sensor:
Rolling	Shutter Type:

12 bit	Pixel Depth:
30µs - 10s	Exposure Time:

69.58	Dynamic Range (dB):
GigE Vision v2.0	Machine Vision Standard:

Electrical

2.5 (External Power Supply) 3.1 (PoE)	Power Consumption (W):
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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 M8	GPIO Connector Type:
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Threading & Mounting

C-Mount	Mount:
1/4-20 with Tripod Mount Adapter	Mounting Threads: #11-474
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 x29 x45mm 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 x29mm 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.