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Lucid Vision Labs Triton™ TRI005S-CC, Sony IMX433, 0.5MP, Color Camera

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



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1

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₹46,400

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Color	Spectrum:
General	
Color Camera	Type:
TRI005S-CC	Model Number:
Manufacturer:	

Lucid Vision Labs	
Triton™	Camera Series:
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: 1/1.7"	
Resolution (Megapixels): 0.50	
Frame Rate (fps): 166.40	
Pixels (H x V): 812 x 620	
Pixel Size, H x V (µm): 9.00 x 9.00	
Sensing Area, H x V (mm): 7.31 x 5.58	
Imaging Sensor: Sony IMX433	
Type of Sensor: Progressive Scan CMOS	
Shutter Type: Global	
Pixel Depth: 12 bit	
Exposure Time: 13.7µs - 10s (Normal); 1µs - 5µs (Short Mode)	
Dynamic Range (dB): 0 - 48	
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 over Ethernet (PoE) or via GPIO with 12-24VDC Power Supply	
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: 1/4-20 with Tripod Mount Adapter #11-474	
Environmental & Durability Factors	
Operating Temperature (°C): -20 to +55	
Storage Temperature (°C):	

Regulatory Compliance

View	Certificate of Conformance:
Canada	Country of Origin:
Edmund Optics India Private Limited	Imported By:

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.