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LUCID Vision Labs Triton™ Power over Ethernet (PoE) Color Camera

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



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Qty 1+	€386,00 each
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Product Downloads

- Start Up Guide STEP
- Whitepapers EO Spec Sheet

Spectrum: Color

General

Type: Color Camera

Model Number: TRI016S-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: 1/2.9"

Resolution (Megapixels): 1.60

Frame Rate (fps): 77.00

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: 30µs - 10s

Dynamic Range (dB): 71.29

Machine Vision Standard: GigE Vision v2.0

Electrical

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

Hardware & Interface Connections

Interface: GigE (PoE)

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

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

GPIO Connector Type: 8-pin M8

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2 non-isolated bi-directional ports

Interface Port Orientation: Back Panel

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

Sony IMX273

- 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.

Accessories

Note: Compatible accessories for individual stock numbers may vary. If unsure about which accessories work with your products, please contact us [here](#).

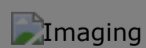
	Title	Compare	Stock Number	Price	Buy
MORE+	¼-20 Tripod Adapter for Phoenix™ and Triton™		#11-474	€38,00 Request Quote	20+ In Stock <input type="text" value="1"/>

	Title	Compare	Stock Number	Price	Buy
MORE+	5m M12 to RJ45 IP67			€203,00	10 In Stock <input type="text" value="1"/>
MORE+	M8 8-pin GPIO ca				14 In Stock <input type="text" value="1"/>
MORE+	M8 GPIO IP67 Cap		#13-753	€12,00 Request Quote	4 In Stock <input type="text" value="1"/>
MORE+	35.5mm ID, 29.9mm Inner Length, IP67 C-Mount Lens Tube		#13-739	€223,00 Request Quote	4 In Stock <input type="text" value="1"/>
MORE+	35.5mm ID, 39.9mm Inner Length, IP67 C-Mount Lens Tube		#13-740	€223,00 Request Quote	5 In Stock <input type="text" value="1"/>
MORE+	35.5mm ID, 59.9mm Inner Length, IP67 C-Mount Lens Tube		#13-741	€223,00 Request Quote	6 In Stock <input type="text" value="1"/>
MORE+	44mm ID, 38.5mm Inner Length, IP67 C-Mount Lens Tube		#13-742	€291,00 Request Quote	6 In Stock <input type="text" value="1"/>
MORE+	44mm ID, 68.5mm Inner Length, IP67 C-Mount Lens Tube		#13-743	€291,00 Request Quote	4 In Stock <input type="text" value="1"/>
MORE+	4mm UC Series Fixed Focal Length Lens		#33-300	€260,00 Request Quote	9 In Stock <input type="text" value="1"/>
MORE+	6mm UC Series Fixed Focal Length Lens		#33-301	€260,00 Request Quote	20+ In Stock <input type="text" value="1"/>
MORE+	8mm UC Series Fixed Focal Length Lens		#33-307	€260,00 Request Quote	CONTACT US <input type="text" value="1"/>
MORE+	12mm UC Series Fixed Focal Length Lens		#33-303	€260,00 Request Quote	20+ In Stock <input type="text" value="1"/>
MORE+	16mm UC Series Fixed Focal Length Lens		#33-304	€260,00 Request Quote	20+ In Stock <input type="text" value="1"/>
MORE+	25mm UC Series Fixed Focal Length Lens		#33-305	€260,00 Request Quote	11 In Stock <input type="text" value="1"/>

Please select your shipping country to view the most accurate inventory information, and to determine the correct Edmund Optics sales office for your order.

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Imaging Lens Selector



- Factory Automation
- Telecentric
- M12

- Custom Sensor
- Camera Model

Camera Model:

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Select Your Country/Region:

Number of Horizontal Pixels:

1 1440

Number of Vertical Pixels:

2 1080

Pixel Size (μm):

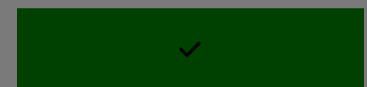
3 3.45

Working Distance (mm):

4

Horizontal Field of View (mm):

5



Disclaimer: Values represent theoretical values from lens design software. Actual lens performance varies due to manufacturing tolerances.

Frequently Purchased Together



#33-301 - 6mm UC Series Fixed Focal Length Lens
€260,00

Qty



#33-300 - 4mm UC Series Fixed Focal Length Lens
€260,00

Qty



#33-303 - 12mm UC Series Fixed Focal Length Lens
€260,00

Qty



#33-304 - 16mm UC Series Fixed Focal Length Lens
€260,00

Qty

Resources

Media Type

APPLICATION NOTE

APPLICATION NOTE

APPLICATION NOTE

- Application Note
- Video
- Published Article
- FAQ
- Glossary
- Technical Tool

Sensor Performance and Limitations

Imaging Electronics 101: Basics of Digital...

Imaging Electronics 101: Camera Resolution fo...

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Imaging Electronics 101: Understandi...

How Do Cameras Work?

PUBLISHED ARTICLE

Advancements in Short Wave Infrared Sensors

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