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LUCID Vision Labs Triton2™ TRT081S-MC, Sony IMX546, 8.1MP, Monochrome Camera

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



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1

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A\$1,352⁰⁰

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Monochrome		Spectrum:
General		
Monochrome Camera		Type:
TRT081S-MC		Model Number:
		Manufacturer:

Lucid Vision Labs	
Triton2™	Camera Series:
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: 2/3"	
Resolution (Megapixels): 8.10	
Frame Rate (fps): 31.80	
Pixels (H x V): 2,840 x 2,840	
Pixel Size, H x V (µm): 2.74 x 2.74	
Sensing Area, H x V (mm): 7.78 x 7.78	
Imaging Sensor: Sony IMX546	
Type of Sensor: Progressive Scan CMOS	
Shutter Type: Global	
Pixel Depth: 12 bit	
Exposure Time: 13.056µs - 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

View	Certificate of Conformance:
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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.