

LUCID Vision Labs Triton2™ TRT016S-CC, Sony IMX273, 1.6MP, Color Camera

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



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SPECIFICATIONS

General

Color Camera

Type:

Lucid Vision Labs	Manufacturer:
Triton2™	Camera Family:
TRT016S-CC	Model Number:
Physical & Mechanical Properties	
44.0 x 29.0 x 45.3 (excludes connectors and lens mount)	Dimensions (mm):
90	Weight (g):
Full	Housing:
Sensor	
128MB	Image Buffer:
Sony IMX273	Imaging Sensor:
Progressive Scan CMOS	Type of Sensor:
Global	Type of Shutter:
1/2.9"	Camera Sensor Format:
1.60	Resolution (MegaPixels):
1,440 x 1,080	Pixels (H x V):
3.45 x 3.45	Pixel Size, H x V (µm):
4.97 x 3.73	Sensing Area, H x V (mm):
166.30	Frame Rate (fps):
12 bit	Pixel Depth:
19.58µs to 10s	Exposure Time:
48.0	Dynamic Range (dB):
GigE Vision v2.0	Machine Vision Standard:
Electrical	
4.5 (External Power Supply) 5.0 (PoE)	Power Consumption (W):
Hardware & Interface Connectivity	
2.5GigE (PoE)	Video Output:
2.5GigE, GigE, M12	Connector:
Power Supply Required and Sold Separately. USA: #18-364 Europe: #18-365 Japan: #18-364 Korea: Not Available China: #18-365	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:
Threading & Mounting	
1/4-20 with Tripod Mount Adapter	Mounting Threads:

C-Mbunt	Mount:
Environmental & Durability Factors	
-20 to +55	Operating Temperature (°C):
-30 to +60	Storage Temperature (°C):
Regulatory Compliance	
Exempt	RoHS:
View	Certificate of Conformance:

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.