

LUCID Vision Labs Triton2™ TRT245S-CC, Sony IMX540, 24.5MP, Color Camera



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General	
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Model Number: TRT245S-CC

Lucid Vision Labs	Manufacturer:
Triton2™	Camera Series:
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:
1.2"	Sensor Format:
24.50	Resolution (Megapixels):
11.30	Frame Rate (fps):
5,320 x 4,600	Pixels (H x V):
2.74 x 2.74	Pixel Size, H x V (µm):
14.58 x 12.60	Sensing Area, H x V (mm):
Sony IMX540	Imaging Sensor:
Progressive Scan CMOS	Type of Sensor:
Global	Shutter Type:
12 bit	Pixel Depth:
21.272µs - 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)	Interface:
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	
C-Mount	Mount:
1/4-20 with Tripod Mount Adapter	Mounting Threads:
Environmental & Durability Factors	

-20 to +55	Operating Temperature (°C):
-30 to +60	Storage Temperature (°C):
Regulatory Compliance	
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.