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LUCID Vision Labs Helios™2 Time of Flight (ToF) Camera

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LUCID Helios™2 Time of Flight (ToF) Cameras

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+

A\$2,464^{.00}

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Monochrome	Spectrum:
General	
Monochrome Camera	Type:
HLT003S-001	Model Number:
Lucid Vision Labs	Manufacturer:
	Camera Series:

Helios™	
Contents of Kit:	
-	
Physical & Mechanical Properties	
Dimensions (mm):	
60 x60 x77.5 (excludes connectors and lens mount)	
Weight (g):	
398	
Housing:	
Full	
Sensor	
Sensor Format:	
1/2"	
Resolution (Megapixels):	
0.30	
Frame Rate (fps):	
30.00	
Pixels (H x V):	
640 x480	
Pixel Size, H x V (µm):	
10 x 10	
Sensing Area, H x V (mm):	
0.64 x 0.48	
Imaging Sensor:	
Sony DepthSense IMX556	
Type of Sensor:	
Progressive Scan CMOS	
Shutter Type:	
Global	
Pixel Depth:	
8/12/16 bit	
Exposure Time:	
62.5 µs, 250 µs or 1000 µs	
Dynamic Range (dB):	
Standard	
Machine Vision Standard:	
GigE Vision v2.0	
Electrical	
Power Consumption (W):	
12 - 30	
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:	
No Lens Mbunt	
Mounting Threads:	
N/A	
Environmental & Durability Factors	
Operating Temperature (°C):	
-20° to 50°C	
Storage Temperature (°C):	
-20° to 50°C	
Regulatory Compliance	

Product Details

- Ideal for Robotics and Automation Applications
- IP67 Rated 3D Cameras
- Available Kits Feature 3D and 2D RGB Solutions

LUCID Helios™2 Time of Flight (ToF) Cameras are 3D cameras featuring Sony's DepthSense sensor, engineered for high performance operation in industrial environments. Built for demanding 24/7 environments, these cameras are ideal for robotics, 3D inspection, advanced material handling, sorting and pick and place applications. LUCID Helios™2 Time of Flight (ToF) Cameras feature enhanced calibration between the VCSELs and sensor timing, resulting in higher 3D detail, along with improved edge detection to reduce flying pixels and overall noise. For an even higher performance option, the Helios™2+ offers high dynamic range and high-speed modes for precise and quick analyzation. Available kits feature a Helios™2 ToF Camera, 3.2MP Triton Camera, lens tubes, cables, and accessories required for creating dust proof, water-resistant color point clouds.