

L2-GM-04K02B-00-A, DALSA Linea Lite Line Scan GigE Camera

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Teledyne Imaging DALSA Linea Lite GigE Line Scan Cameras - Front



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SPECIFICATIONS

General

Monochrome Camera

Type:

Teledyne DALSA	Manufacturer:
LINEA™ LITE	Camera Family:
L2-GM-04K02B-00-A	Model Number:
4096.00	Resolution (Pixels):
Physical & Mechanical Properties	
46 x 46 x 37 (excludes connectors and lens mount)	Dimensions (mm):
111	Weight (g):
Full	Housing:
Sensor	
DALSA Line Scan CMOS	Type of Sensor:
7.00 x 7.00	Pixel Size, H x V (µm):
8/12 bit	Pixel Depth:
72.00	Dynamic Range (dB):
GigE Vision	Machine Vision Standard:
8.5	Read Noise (e ⁻):
25	Maximum Line Rate (kHz):
30	Full Well Depth (ke ⁻):
Electrical	
<5.0	Power Consumption (W):
Hardware & Interface Connectivity	
GigE, PoE	Video Output:
GigE, RJ45 with Screw Locks	Connector:
+12 to +24VDC HD15 Connector or 48V POE	Power Supply:
Back Panel	Interface Port Orientation:
HD15 (High Density)	GPIO Connector Type:
Threading & Mounting	
M42	Mount:
Environmental & Durability Factors	
-10 to +65	Operating Temperature (°C):
Regulatory Compliance	
Compliant	RoHS:
View	Certificate of Conformance:

PRODUCT DETAILS

- Compact 46 x 46mm Form Factor
- Line Rates from 12.5 – 50kHz
- 2k, 4k, or 8k Resolution Options Available
- Simple Integration with Gigabit Ethernet Connectivity
- Teledyne TurboDrive™ Enabled
- Monochrome and Color Options Available

Teledyne DALSA Linea Lite GigE Line Scan Cameras utilize a single line of sensor pixels to build up a two-dimensional image at a lower cost than area scan cameras. Featuring Teledyne DALSA's proprietary TurboDrive™

technology, these cameras can sustain line rates up to 50 kHz (and up to 64 kHz in burst mode) without straining your GigE network. With a compact 46 x 46mm form factor that is 45% smaller than the standard Linea line, these cameras are perfect for space-constrained setups. Teledyne DALSA Linea Lite GigE Line Scan Cameras feature higher dynamic ranges than alternative image capture methods and are available with 2k, 4k, or 8k resolutions. The 8k variants utilize two 4k/7µm pixel rows with a ½ pixel offset and allow for data from the two 4k/7µm images to be captured and reconstructed to achieve an image resolution of 8k/3.5µm in real time, which greatly facilitates the detectability of subpixel defects. These cameras are ideal for automated optical inspections, sorting systems, materials grading and inspections, and general-purpose machine vision applications. Download this [whitepaper](#) for more information on applications that would benefit from line scan camera technology.

Note: An H15 cable is required for GPIO operation and is not included with these cameras.
