

L2-GC-04K03N-00, DALSA Linea2 Multispectral Line Scan 5GigE Camera

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Teledyne Imaging DALSA Linea2 5GigE Line Scan Cameras - Front



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1

+

€2.520⁰⁰

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SPECIFICATIONS

General

Multispectral

Type:

L2-GC-04K03N-00	Model Number:
Teledyne DALSA	Manufacturer:
LINEA2™	Camera Series:
4096 x 4	Resolution (Pixels):
Multispectral	Spectrum:

Physical & Mechanical Properties

62 x 62 x 49.3 (excludes connectors and lens mount)	Dimensions (mm):
<280	Weight (g):
Full	Housing:

Sensor

7.00 x 7.00	Pixel Size, H x V (µm):
DALSA Line Scan CMOS	Type of Sensor:
8/12 bit	Pixel Depth:
71.00	Dynamic Range (dB):
GigE Vision	Machine Vision Standard:
9.5	Read Noise (e ⁻):
32 (x4 RGB + NIR)	Maximum Line Rate (kHz):
32	Full Well Depth (ke ⁻):

Electrical

13	Power Consumption (W):
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Hardware & Interface Connectivity

5GigE (PoE)	Interface:
5GigE, RJ45 with Screw Locks	Connector:
+12 to +24V DC HD15 Connector or 48V POE	Power Supply:
Back Panel	Interface Port Orientation:
HD15 (High Density)	GPIO Connector Type:

Threading & Mounting

M42-Mount	Mount:
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Environmental & Durability Factors

-10 to +65	Operating Temperature (°C):
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Regulatory Compliance

View	Certificate of Conformance:
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PRODUCT DETAILS

- Color and Multispectral Options Available
- Line Rates of 32 or 40kHz
- Simple Integration with 5Gbase-T (5GigE) Ethernet Connectivity
- 4k Resolution Option Available

Teledyne Imaging DALSA Linea2 5GigE 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. The color camera features a line rate of 40kHz and a resolution of 4096 x 3 with 7µm pixels, whereas the multispectral camera features a line rate of 32kHz with a resolution of 4096 x 4 and 7µm pixels. The high framerates and dedicated RGB and NIR channels enable the detection of sensitive color differences in high-speed applications. Teledyne Imaging DALSA Linea2 5GigE Line Scan Cameras are ideal for automated optical inspections, sorting systems, materials grading and inspections, and general-purpose machine vision applications. The multispectral cameras include sensors that can capture RGB color and NIR in a single scan with minimal spectral crosstalk between the color and NIR channels due to

their unique wafer-level dichroic filter coating. 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.

Sapera LT is a free image acquisition and control software development toolkit (SDK) for Teledyne DALSA'S 1D cameras / 2D cameras / 3D Laser Profiler cameras and frame grabbers. Hardware independent in nature, Sapera LT offers a rich development ecosystem for machine vision OEMs and system integrators. Sapera LT supports image acquisition from cameras and frame grabbers based on machine vision standards including GigE Vision™, CameraLink®, CameraLink HS™, CoaXpress®, and USB3 Vision™.
