

L2-GC-04K04T-00, DALSA Linea2 Line Scan 5GigE Camera

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Teledyne Imaging DALSA Linea2 5GigE Line Scan Cameras - Front



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SPECIFICATIONS

General

Color Camera **Type:**
Model Number:

L2-GC-04K04T-00

Teledyne DALSA **Manufacturer:**

LINEA2™ **Camera Series:**

4096 x 3 **Resolution (Pixels):**

Color **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⁻):**

40 (x3 RGB) **Maximum Line Rate (kHz):**

32 **Full Well Depth (ke⁻):**

Electrical

13 **Power Consumption (W):**

Hardware & Interface Connectivity

5GigE (PoE) **Interface:**

5GigE, 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 **Mount:**

Environmental & Durability Factors

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

Regulatory Compliance

[View](#) **Certificate of Conformance:**

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™.
