

Key Features

- High speed: up to 48 kHz
- 8192 x 2 pixel resolution
- · Low cost and compact
- · Camera Link interface

Programmability

- Multiple regions of interest and areas of interest for calibration and data reduction
- 8 or 12 bit output, selectable
- Smart flat field and lens shading correction
- 8 programmable coefficient sets

Typical Applications

- Automated optical inspection
- High performance sorting systems
- Materials grading
- Web inspection
- General purpose machine vision

Regulatory Compliance

· CE. FCC and RoHS

High Performance and Low Cost. Now in Color

The new Linea Color™ line scan camera delivers the exceptional performance and features found in Teledyne DALSA's current lineup of high-end cameras at an unprecedented price point.

Based on bilinear CMOS technology, the Linea Color camera has an 8k, $7.04\,\mu\text{m}$ x $7.04\,\mu\text{m}$ pixel array, and a 48 kHz maximum line rate. With excellent sensitivity and speed, Linea Color surpasses the requirements of demanding applications—such as materials grading, web inspection, and general purpose machine vision.

The Linea Color is a compact, light weight and robust camera with many attractive features, including flat-field correction, multiple ROI and AOI, multiple user configuration sets, and calibration coefficients for various lighting conditions.

The GenlCam™ compliant Linea is easy to set up and integrate using a GUI, such as Teledyne DALSA's Sapera™ camera configuration utility CamExpert.

Specifications

 Resolution
 8192 x 2 pixels

 Line Rate
 48 kHz, maximum

 Pixel Size
 7.04 μm x 7.04 μm

 Data Format
 8 or 12 bit selectable

Output Base, Medium, Full, and Deca Camera Link
Lens Mount M72 x 0.75, F-mount adapter available

Responsivity

See graph

Dynamic Range

Nominal Gain Range

10x

Size 76.0 mm x 76.0 mm x 36.72 mm

Mass < 310 c

Operating Temp 0 °C to +65 °C (front plate)
Power 12 V to 24 V DC, Hirose 6-pin

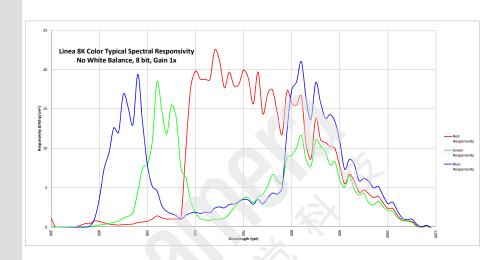
Power Dissipation 11 W

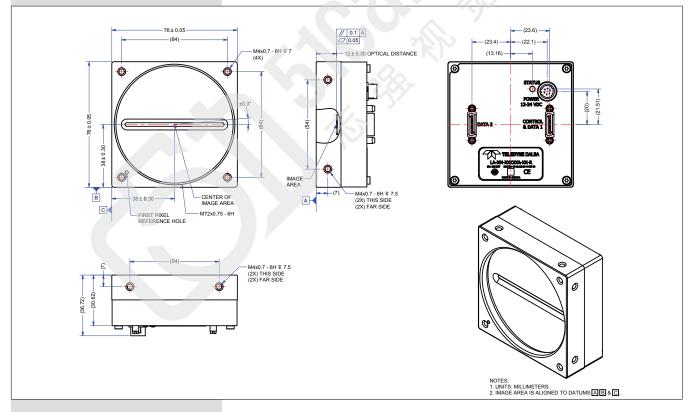
Control & Data SDR-26 mini Camera Link

Models			
Part Number	Resolution	Maximum Line Rates	Pixel Size
LA-CC-08K05B-00-R	8192 x 2	48 kHz	7.04 μm x 7.04 μm









www.teledynedalsa.com

Americas
Boston, USA
+1 978-670-2000
sales.americas@teledynedalsa.com

Europe
Krailling, Germany
+49 89-89-54-57-3-80
sales.europe@teledynedalsa.com

Asia Pacific Tokyo, Japan +81 3-5960-6353 sales.asia@teledynedalsa.com

Shanghai, China +86 21-6427-9081 sales.asia@teledynedalsa.com

