New! Spyder3 Color GigE Vision

Bilinear Color Linescan Camera

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Spyder3 Color GigE

Key Features

- 2k and 4k resolutions
- RGB, RG/BG, or G output formats
- Pre-calibrated light sources
- Cost-effective
- Ease of use
- GigE configuration

Programmability

- Automatic white balance
- Color correction
- Bidirectional
- Flat field correction

Typical Applications

- Wood and tile inspection
- Cotton and textile
- Food, drug, and tobacco inspection
- Recycling sorting
- General machine vision

Overview

Low-cost, ease of use, flexibility and Gigabit Ethernet Interface.

DALSA's Spyder3 Color is a color line scan camera based on the successful Spyder3 dual line scan monochrome model. This camera provides a low cost solution with high color fidelity, flexibility, and ease of use.

The Spyder3 Color has the red and blue color pixels alternating in one line and all the green pixels in the other line with no spacing between the two lines to minimize image artifact. The camera offers several color output format options, including RGB, RG/BG, or G only to meet different imaging requirements.

This camera also incorporates advanced features such as flat field correction, automatic white balance, and is pre-calibrated to light sources such as white LEDs, for ease of use.

Specifications

Resolution	2048 x 2 / 4096 x 2
Data Rate	80 megapixels per second
Max. Line/Frame Rate	18 / 9 kHz*
Pixel Size	14 x 14 μm / 10 x 10 μm
Data Format	8, 12 bit, selectable
Output	GigE
Lens Mount	M42 x 1, C, F
Responsivity	700 / 400 DN(nJ/cm^2)@0dB, 12 bit
Dynamic Range	60 dB
Nominal Gain Range	±10 dB
Size	72 x 60 x 50 mm (2k)/ 85 x 65 x 50mm (4k)
Mass	300 g
Operating Temp	0 °C to 50 °C
Power Supply	+12 V to +15 V
Power Dissipation	<9 W
Regulatory Compliance	CE and RoHS
Control	RJ-45,15-pin mini DSub
Data	RJ-45
Power	Hirose 6 HR10 pin male
Example Part Number	SG-32-0xK80-00R

* Note: Max linerate might depend on data output format.