



Spyder 2 S2-1x-xxx40

Line Scan Cameras



Overview

The Spyder 2 is powerful yet very cost effective.

The Spyder 2 is a small, fast, and cost effective camera boasting a full feature set and a Camera Link™ interface. The Spyder 2 surpasses its predecessor in responsivity and programmability, requires less lighting, and offers precise control over key performance variables such as gain and offset. With a single tap operating at 40 MHz, the Spyder 2 provides the throughput your application requires with no compromise to image quality. For those OEMs migrating from the original Spyder, the Spyder 2 does not require a new optics design because pixel size and fill factor remain unchanged from the original Spyder at 14 μm and 100% respectively.

In addition to its high performance and affordability, the Spyder 2 also incorporates advanced features such as flat field correction and CDS (Correlated Double Sampling). All resolutions provide appropriate, readily available standard lens options (C mount and F mount).

Key Features

- Resolutions from 512 to 2k
- High responsivity
- Base Camera Link™
- 8 or 10 bit selectable output
- Single 12 V to 15 V power supply
- Compact design

Programmability

- Programmable pixel to pixel correction
- Adjustable analog and digital gain and offset
- 8 or 10 bit selectable output
- Adjustable integration time and line rate
- Test pattern, line statistics, and camera diagnostics

Typical Applications

- Web inspection (multi-cam and narrow web)
- Pick and place
- Document scanning
- Flat panel display inspection

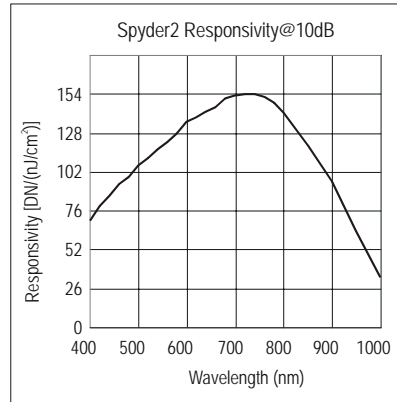
Specifications

Resolution	512 / 1024 / 2048
Data Rate	40 MHz
Max. Line/Frame Rate	65 / 35 / 18 kHz
Pixel Size	14 μm
Data Format	8, 10 bit
Output	Base Camera Link
Lens Mount	M42 x 1, C, F mount
Responsivity	136 DN/(nJ/cm ²) @ 10 dB
Dynamic Range	54 dB
Nominal Gain Range	± 10 dB
Size	50 mm x 85 mm x 53.7 mm
Mass	< 450 g
Operating Temp	10 °C to 50 °C
Power Supply	12 V to 15 V
Power Dissipation	< 5 W
Regulatory Compliance	CE
Control	MDR26 Camera Link
Data	Shared with Control
Power	Hirose HR10 6 pin
Example Part Number	S2-11-01K40

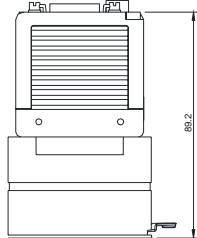
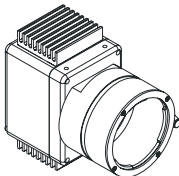
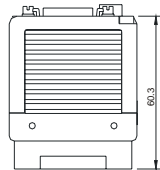
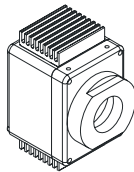
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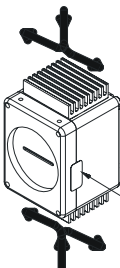
The Spyder 2 is powerful and versatile yet very cost effective. Its Camera Link interface means cheaper cabling.



C-MOUNT



F-MOUNT
All units in mm.



CALIBRATION STICKER

