

Spyder 2 S2-2x-04K40

Line Scan Cameras



Key Features

- 4096 resolution
- 10 μm pixel pitch
- High responsivity
- Base Camera Link™
- 8 or 10 bit selectable output
- Single 12 V to 15 V power supply

Programmability

- Programmable pixel to pixel correction
- Adjustable analog and digital gain
- Analog and digital offset control
- Adjustable integration time and line rate
- Test pattern, line statistics, and camera diagnostics

Typical Applications

- FPD inspection
- PCB inspection
- Postal sorting
- Web inspection
- Print/wood/steel inspection
- General machine vision

Overview

4096 pixels, 40 MHz throughput and all of the power and cost effectiveness of the Spyder 2 camera family.

The Spyder 2 is a fast and cost effective camera boasting a full feature set and a Camera Link™ interface. The Spyder 2 has impressive responsivity and programmability and offers precise control over key performance variables such as gain and offset. The 4k Spyder 2 uses Base Camera Link to deliver a line rate of 10 kHz, providing you with the throughput your application requires with no compromise to image quality.

In addition to its high performance and affordability, the Spyder 2 4k also incorporates unique features such as flat field correction and CDS (Correlated Double Sampling) which are typically found in scientific grade cameras. Readily available standard lens options (M72 x 0.75 and F mount) are available.

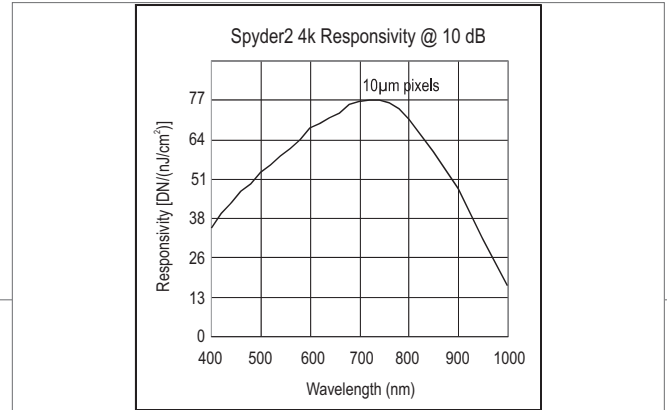
Specifications

Resolution	4096
Data Rate	40 MHz
Max. Line/Frame Rate	10 kHz
Pixel Size	10 μm
Data Format	8, 10 bit
Output	Base Camera Link
Lens Mount	M72 x 0.75, F mount
Responsivity	76 DN/(nJ/cm ²) @ 10 dB
Dynamic Range	54 dB
Nominal Gain Range	± 10 dB
Size	85 mm x 85 mm x 53.8 mm
Mass	<450 g
Operating Temp	10 °C to 50 °C
Power Supply	12 V to 15 V
Power Dissipation	7 W
Regulatory Compliance	CE
Control	MDR26 Camera Link
Data	Shared with Control
Power	Hirose HR10 6 pin
Example Part Number	S2-20-04K40

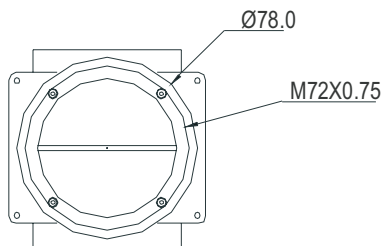
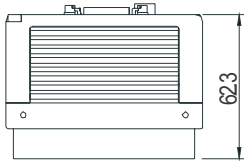
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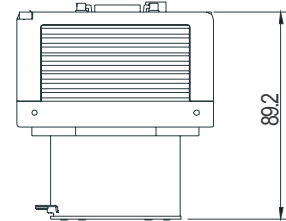
The Spyder 2 is powerful and versatile, yet very cost effective. The 4k model is our highest resolution Spyder 2 camera.



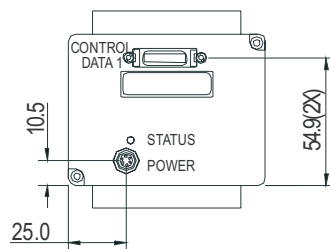
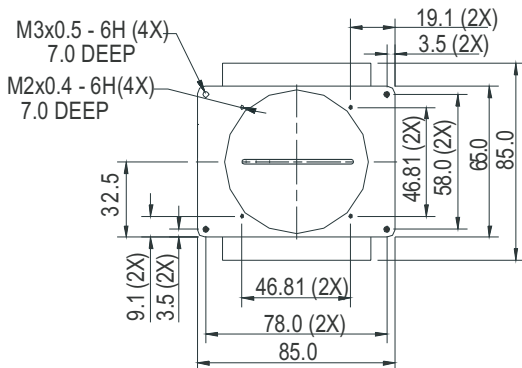
WITH LARGE FORMAT ADAPTER



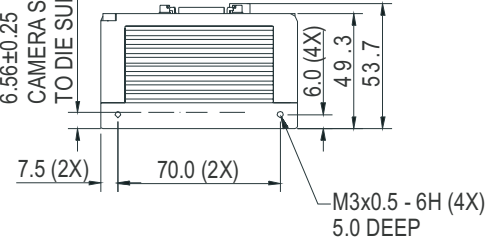
WITH F MOUNT



NO MOUNT



**OPTICAL DISTANCE
CAMERA SURFACE
TO DIE SURFACE**



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