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Find the *Teledyne Dalsa / Coreco Imaging P2-42-04K40* at our website: *Click HERE*

Piranha 2 P2-4x-xxx40 (10 μm)

Line Scan Cameras



Key Features

- 160 MHz throughput
- 10 μm pixels
- Resolutions from 2k to 4k
- High responsivity
- Medium Camera Link
- Single 12 V to 15 V power supply

Programmability

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

Typical Applications

- Flat panel display inspection
- Printed circuit board inspection
- High performance document scanning/image lift
- Postal/parcel sorting

Overview

Medium Camera Link, 10 μm pixels and resolution from 2k to 4k with proven performance.

Piranha 2 delivers superb performance with a wide selection of resolutions. Medium Camera Link with four 8 or 10 bit outputs at 40 MHz deliver 160 MHz throughput, and boosted responsivity means the Piranha 2 needs less light. Our 4 tap, 10 μm models are available in resolutions from 2k to 4k.

The camera is small, light, and uses a single power supply. Cabling and interface are simplified with the Camera Link™ high speed serial standard. The camera is very sensitive, but still provides quieter, more uniform output thanks to CDS (correlated double sampling) and embedded flat field correction algorithms. Gain and offset are fully programmable for each output channel, and the camera can output test patterns for cable/system troubleshooting.

Specifications

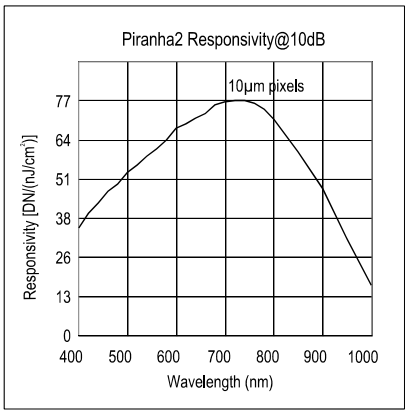
Resolution	2048 / 4096
Data Rate	4 x 40 MHz
Max. Line/Frame Rate	68 / 36 kHz
Pixel Size	10 μm
Data Format	8, 10 bit
Output	Medium Camera Link
Lens Mount	2k: M42 x 1, C, F mount / 4k: M72 x 0.75, F mount
Responsivity	76 DN/(nJ/cm^2) @ 10 dB
Dynamic Range	54 dB
Nominal Gain Range	±10 dB
Size	85 mm x 85 mm x 53.7 mm
Mass	<450 g
Operating Temp	10 °C to 50 °C
Power Supply	12 V to 15 V
Power Dissipation	<10 W
Regulatory Compliance	CE
Control	MDR26 Camera Link
Data	Shared with Control
Power	Hirose HR10 6 pin
Example Part Number	P2-42-02K40

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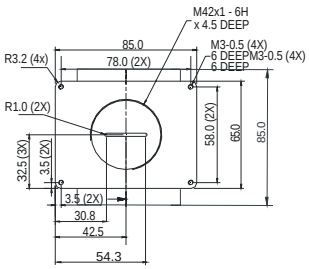
Piranha 2 P2-4x-xxx40 (10 μm)

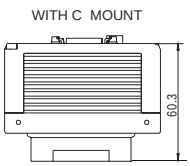
Line Scan Cameras

With established performance and wide customer base, the Piranha 2 is the camera generation known to have brought line scan performance to the next level.

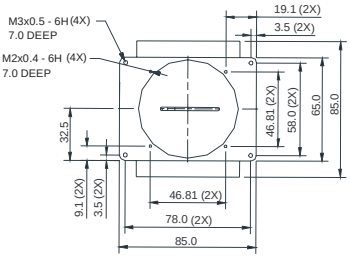


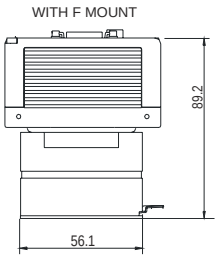
2K Camera

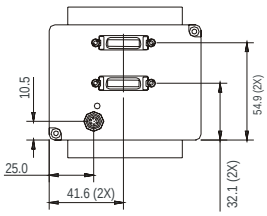


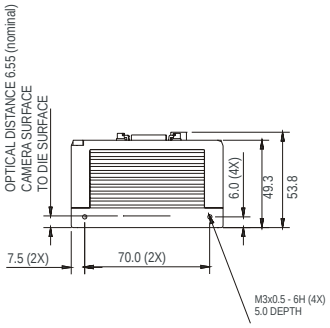


4K Camera









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