Piranha2 P2-80-12K40

Line Scan Cameras



Key Features

- 12288 pixels
- 7 μ m x 7 μ m pixel size
- 100% fill factor
- 8 taps, bilinear CCD
- 320 MHz data rate
- 24 kHz line rate
- Single 12 V to 15 V power supply
- Full Camera Link
- 8 bit output from 10 bit digitization

Programmability

- Flat field correction— lens vignetting and non-uniform lighting across field of view
- Adjustable gain from -10 dB to+10 dB
- Offset control
- Test pattern and diagnostics

Typical Applications

- Electronics manufacturing, such as printed circuit board inspection
- Web inspection
- High speed applications

Overview

With 12k of resolution and 8 output taps, this camera inspects and detects with amazing precision and speed.

With line rates reaching 24 kHz and a resolution of 12288 pixels, the P2-80-12K40 line scan camera specifically meets the demands of electronics manufacturing inspection and web inspection.

The Camera Link interface provides powerful programmability and versatility including flat field correction, programmable line rate, exposure time, gain, offset, and diagnostics. To speed setup and system debugging, the camera can output a test pattern and end-of-line sequence to help track the path of data through an acquisition system.

Specifications

Resolution Data Rate Max. Line/Frame Rate Pixel Size Data Format Output Lens Mount Responsivity **Dynamic Range** Nominal Gain Range Size Mass **Operating Temp Power Supply** Power Dissipation **Regulatory Compliance** Control Data Power **Example Part Number**

12288 8 x 40 MHz 24 kHz $7 \,\mu m$ 8 bit Full Camera Link M3 x 0.5 x 7.0 deep (4x) adapter required 29.7 DN/(nJ/cm²) @ 10 dB 53.7 dB TBD 170 mm x 114 mm x 47.3 mm 1.25 kg 25 °C to 40 °C 12 V to 15 V <17 W CE MDR26 Camera Link Shared with Control Hirose HR10 6 pin P2-80-12K40



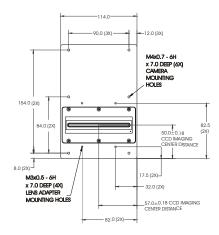
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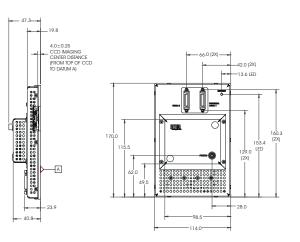
Line Scan Cameras

12k of resolution, 7 µm pixels,

and 320 MHz output all in one

incredible package.







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