## Piranha HS HS-4x-02K30

High Sensitivity Line Scan Cameras



#### **Key Features**

- Line rate up to 52 kHz
- High responsivity up to 1610 DN/(nJ/cm<sup>2</sup>)
- Selectable Base or Medium Camera Link<sup>™</sup>
- Enhanced blue response
- 100% fill factor
- >100x Antiblooming

#### Programmability

- Programmable pixel to pixel correction
- User selectable number of TDI stages
- -10 dB to +10 dB selectable gain
- 8 or 10 bit output
- Analog and digital gain and offset control
- Adjustable integration time and line rate

### **Typical Applications**

- Postal sorting (letters)
- High performance document scanning and image lift
- Industrial inspection
- Low light scanning

#### Overview

# High Sensitivity. High Speed. Low Noise.

With line rates exceeding 52 kHz and a resolution of 2048 pixels, DALSA's latest high sensitivity camera specifically meets the performance requirements needed in demanding applications such as postal sorting, document scanning, and low light industrial inspection. The fast line rates are achieved via the sensors 4 outputs, each operating at 30 MHz, for a total throughput of 120 MHz. The high level of sensitivity—up to 1610 DN/(nJ/cm<sup>2</sup>)— is accomplished using TDI technology with up to 64 stages of exposure, while the camera's antiblooming prevents localized overexposure from contaminating the information in adjacent pixels. The unique features of the Piranha HS 2k will help you set your system apart from the competition.

### Specifications

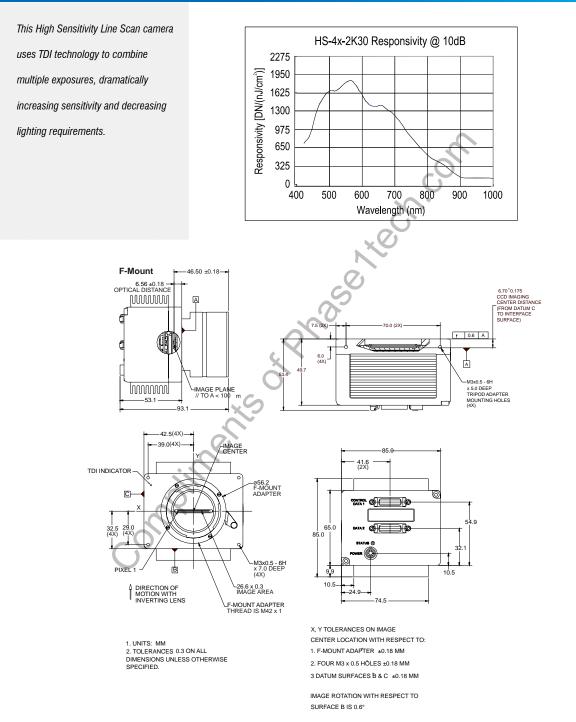
Resolution Data Rate Max. Line/Frame Rate Pixel Size Data Format Output Lens Mount Responsivity **Dynamic Range** Nominal Gain Range Size Mass **Operating Temp** Power Supply Power Dissipation **Regulatory Compliance** Control Data Power Example Part Number

2048 x 64 TDI 2 x 60 / 4 x 30 MHz 52 kHz 13 µm 8, 10 bit Base. Med Camera Link M42 x 1, F mount Up to 1610 DN/(nJ/cm<sup>2</sup>) 54 dB  $\pm 10 \text{ dB}$ 85 mm x 85 mm x 53.4 mm <500 a 0 °C to 50 °C 12 V to 15 V < 10 WCF MDR26 Camera Link Shared with Control Hirose HR10 6 pin HS-41-02K30



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Worldwide Sales, 605 McMurray Rd, Waterloo, Ontario, Canada N2V 2E9 Tel: 1.519.886.6000 sales.americas@dalsa.com European Sales, Breslauer Str. 34, D-82194 Gröbenzell (Munich), Germany Tel: 49.8142.46770 sales.europe@dalsa.com Asia Pacific Sales, Ikebukuro East 13F, 3-4-3 Higashi-Ikebukuro, Toshimo-ku, Tokyo, 170-0013, Japan Tel: 81.3.5960.6353 sales.asia@dalsa.com CE