Faster, more responsive and in color.
The new Piranha4 8k color dual line scan CMOS camera has arrived.

Based on Teledyne DALSA’s unique bilinear color line scan CMOS sensor architecture, the new Piranha4 8k camera provides outstanding signal-to-noise for high speed imaging. The P4-8k has 8k resolution with a 7 µm x 7 µm pixel size for optimized optical design. The camera delivers a maximum line rate of 50 kHz.

The choice to use either an ASCII command compliant or an advanced GenICam™ compliant interface makes the camera easier to setup, control, and integrate. Programmability includes exposure control, flat field correction, white balance and color correction, and gain settings.

The Piranha4 8k color camera is ideal for flat panel display, electronics, printed material, solar cell, film, and large format web inspection.

Specifications

- **Resolution**: 8192 x 2 pixels
- **Line Rate**: 50 kHz Max
- **Pixel Size**: 7.04 µm x 7.04 µm
- **Data Format**: 8 bit
- **Output**: Camera Link
- **Lens Mount**: M72 x 0.75
- **Responsivity**: See graph
- **Dynamic Range**: 62 dB
- **Nominal Gain Range**: 1x to 10x
- **Size**: 80 mm (W) x 80 mm (H) x 57 mm (D)
- **Mass**: 700 g
- **Operating Temp**: 0 °C to 50 °C, measured at the front plate
- **Power**: Hirose 6-pin male, +12 VDC to +24 VDC
- **Power Dissipation**: 16 W
- **Control & Data**: Camera Link
- **Regulatory Compliance**: CE and RoHS
- **Part Number**: P4-CC-08K050-00-R
With line rates up to 50 kHz and 8k resolution, this camera inspects and detects with unrivalled precision, speed, and responsivity.

The new Piranha4 camera takes machine vision to the next level.