

Piranha2 P2-2x-xxx30



*Most cost effective
Camera Link™ line scan
cameras ever offered.
30MHz operation with
the full featured, high
image quality required
to carry the Piranha2
name.*

30MHz operation for even more cost-effectiveness, still with top-shelf image quality and a full feature set.

Piranha2's unmatched performance and features set becomes even more cost-effective in the 30MHz P2-2x-xxx30 cameras. Two 8 or 10-bit outputs (selectable) at 30MHz deliver 60MHz throughput with all the Piranha2 responsivity for applications that don't require the full speed of our 40MHz flagship models.

Available in resolutions from 1k 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 highly responsive, but still provides quiet 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. All resolutions provide appropriate, readily-available standard lens options (c-mount and f-mount).

Features

- 60 MHz throughput
- Resolutions from 1k to 4k
- High responsivity
- Base Camera Link
- Single 12V to 15V power supply
- Compact design

Programmability

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

Typical Applications

- High performance document scanning/image lift
- Postal sorting
- Web inspection
- Printed circuit board inspection

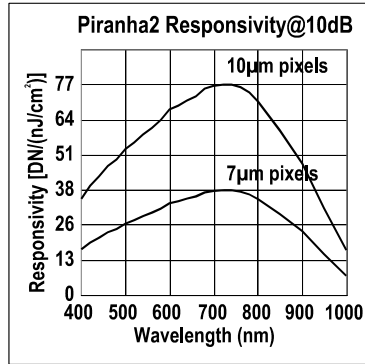
Camera Specifications

Resolution	1024 /2048 /4096
Data Rate	2x30MHz
Max. Line/Frame Rate	49.6 / 27 /14kHz
Pixel Size	10 / 10 / 7 μm
Data Format	2x8 or 2x10-bit Base Camera Link
Lens Mount	C or F-mount
Responsivity	64DN/(nJ/cm²) @10dB
Dynamic Range	up to 492:1
Nominal Gain Range	±10dB
Size	50x85x50mm
Mass	< 450g
Operating Temp	10-50°C
Power Supply	12 to 15V
Power Dissipation	<7.5W
Regulatory Compliance	CE, MIL-STD-810E
Control	MDR26 Camera Link
Data	Shared with Control
Power	Hirose HR10 6-pin
Example Part Number	P2-22-04K30

Piranha2 P2-2x-xxx30 Line Scan Cameras

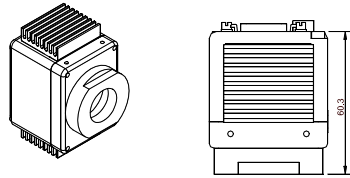
Piranha2 P2-2x-xxx30 Line Scan Cameras

Responsivity

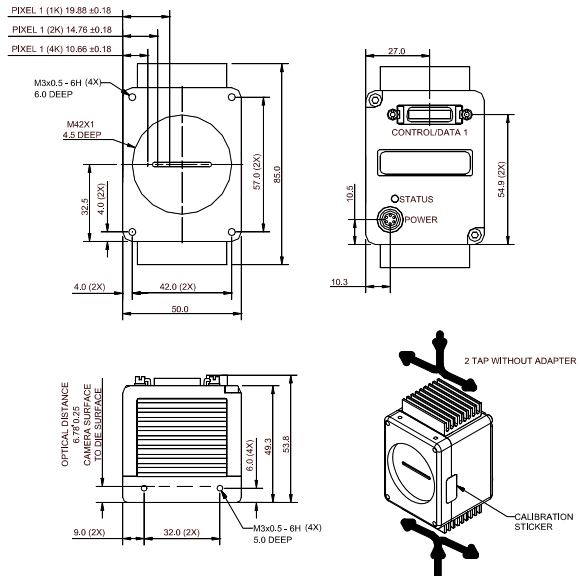
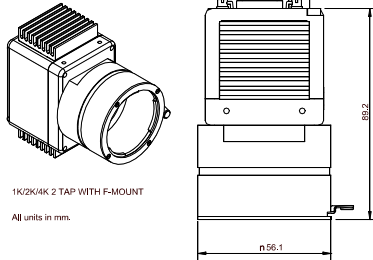


Mechanical Dimensions

1K/2K/4K 2 TAP WITH C-MOUNT



1K/2K/4K 2 TAP WITH F-MOUNT
All units in mm.



Camera Configuration	Available Lens Mount Options	Order Option	Lens Mount Configuration
1K, 2 Tap	M42x1, C-mount and F-mount	P2-x0-0xx30	No mount or adapter
2K, 2 Tap	M42x1, C-mount and F-mount	P2-x1-0xx30	C-mount
4K, 2 Tap	M42x1 and F-mount	P2-x2-0xx30	F-mount
		P2-x3-0xx30	M72x0.75 adapter

E.g. P2-22-02k30 is a 2 Tap, 2k camera with an F-mount



For More Information

For more detailed information on this and other products, including pinouts, timing, software, and signal descriptions see the user's manual. The user's manual is available at <http://vfm.dalsa.com>. You can also contact your local rep or visit our website at <http://vfm.dalsa.com>.

DALSA Worldwide Sales

605 McMurray Rd
Waterloo, ON N2V 2E9
Canada

Tel: 519 886 6000
Fax: 519 886 8023

www.dalsa.com
sales.americas@dalsa.com

DALSA European Sales

Breslauer Str. 34
D-82194 Gröbenzell (Munich)
Germany

Tel: +49 - 8142 - 46770
Fax: +49 - 8142 - 467746

www.dalsa.com
sales.europe@dalsa.com

DALSA Asia Pacific Sales

Space G1 Building, 4F
2-40-2 Ikebukuro
Toshima-ku, Tokyo 171-0014 Japan

+81 3 5960 6353 (phone)
+81 3 5960 6354 (fax)

www.dalsa.com
sales.asia@dalsa.com

This information subject to change without notice.

DALSA
technology with vision

28-Sep-04
03-70-00186-04
www.dalsa.com