

Pixelink® USB 3.0 Cameras (Board Level)



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Note: This item requires accessories for use | [Learn More](#)

Product Downloads

Monochrome

Spectrum:

General

Monochrome Camera

Type:

PL-D721MJ-BL	Model Number:
Pixelink	Manufacturer:
PL-D	Camera Series:

Physical & Mechanical Properties

50.8 x 35 x 13.36 (excludes lens mount)	Dimensions (mm):
35.8	Weight (g):
Board Level	Housing:

Sensor

Not Specified	Image Buffer:
1/2"	Sensor Format:
1.30	Resolution (Megapixels):
150.00	Frame Rate (fps):
1,280 x 1,024	Pixels (H x V):
4.8 x 4.8	Pixel Size, H x V (µm):
6.14 x 4.92	Sensing Area, H x V (mm):
ON Semi VITA 1300	Imaging Sensor:
Progressive Scan CMOS	Type of Sensor:
Global	Shutter Type:
8/10 bit	Pixel Depth:
1µs - 4.33s	Exposure Time:
53	Dynamic Range (dB):
USB3 Vision v1.0	Machine Vision Standard:

Electrical

Not Specified	Power Consumption (W):
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Hardware & Interface Connectivity

USB 3.0	Interface:
USB 3.0, Micro-B	Connector:
Power over USB	Power Supply:
1 non-isolated trigger input, 2 non-isolated outputs, 1 non-isolated input	GPIOs:
Hardware Trigger (GPIO) or Software Trigger	Synchronization:
Side Panel	Interface Port Orientation:
8-pin Mflex 1.25mm Pitch	GPIO Connector Type:
Software Driver: Windows 32 and 64 bit	Operating System:

Threading & Mounting

C-Mount	Mount:
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Environmental & Durability Factors

0 to +50	Operating Temperature (°C):
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-45 to +85		Storage Temperature (°C):
Regulatory Compliance		
Compliant	RoHS 2015:	
Compliant	Reach 224:	
View	Certificate of Conformance:	

Product Details

- Resolutions Up to 20MP
- Sensor Sizes from 1/2.5" to 1.1"
- Right Angle Housing and Board Level Configurations Available

Pixelink® USB 3.0 Cameras are high resolution and high-speed solutions to applications ranging from biometrics to surveillance. Pixelink® USB 3.0 Cameras feature resolutions of up to 20MP, frame rates of up to 170fps, and USB 3.0 compatibility for power and high data throughput. The right angle housing configurations also feature a GPIO to enable triggering to ease system integration. Pixelink® USB 3.0 Cameras also compatible with sensor sizes ranging from 1/2.5" to 1.1" and are ideal for inspecting weld and PCB and flat panel displays. These cameras are available in monochrome or color.

Note: Mounting Adapters are only designed for enclosed camera models, and not board-level. If your camera ends in "-BL", it does not have a compatible mount.

Pixelink Capture is a free, user-friendly application included with all Pixelink cameras, offering real-time image and video capture through an intuitive graphical interface. In contrast, the Pixelink SDK is a comprehensive development toolkit for Windows and Linux that enables developers to build custom applications with full camera control via C/C++, .NET, or Python. The SDK is available as a trial download, allowing users to evaluate its capabilities before purchasing a license. Links to software downloads (SDK and Capture) are available on the product pages.