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Pixelink PL-D7512MU-BL, 1.1" 12.3MP, Board Level USB 3.0 Monochrome Camera



Pixelink® USB 3.0 Cameras (Board Level)



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Monochrome **Spectrum:**

General

Monochrome Camera **Type:**

PL-D7512MU-BL **Model Number:**

Pixelink
PL-D

Manufacturer:
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:

1.1"

Sensor Format:

12.29

Resolution (Megapixels):

34.70

Frame Rate (fps):

4,096 x 3,000

Pixels (H x V):

3.45 x 3.45

Pixel Size, H x V (µm):

14.13 x 10.35

Sensing Area, H x V (mm):

Sony IMX253

Imaging Sensor:

Progressive Scan CMOS

Type of Sensor:

Global

Shutter Type:

8/12 bit

Pixel Depth:

24µs - 120s

Exposure Time:

70

Dynamic Range (dB):

USB3 Vision v1.0

Machine Vision Standard:

Electrical

Not Specified

Power Consumption (W):

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 Molex 1.25mm Pitch

GPIO Connector Type:

Software Driver: Windows 32 and 64 bit

Operating System:

Threading & Mounting

C-Mount

Mount:

Environmental & Durability Factors

0 to +50

Operating Temperature (°C):

-45 to +85

Storage Temperature (°C):

Regulatory Compliance

Compliant

RoHS 2015:

Compliant

Reach 224:

[View](#)

Certificate of Conformance:

Canada

Country of Origin:

Imported By:

Edmund Optics India Private Limited
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6th Cross Rd, Binnamangala,
Stage 1, Indiranagar, Bengaluru,
Karnataka, India 560038
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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.

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