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PL-D775MU-S-AFE-BL PixeLINK USB 3.0 Autofocus Monochrome Camera



Pixelink® USB 3.0 Autofocus Liquid Lens Board Level Cameras

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1

+

£640⁰⁰

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Product Downloads

Monochrome		Spectrum:
General		
Monochrome Camera		Type:
PL-D775MU-S-AFE-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:
1/2.5"	Sensor Format:
5.00	Resolution (Megapixels):
14.00	Frame Rate (fps):
2,592 x 1,944	Pixels (H x V):
2.2 x 2.2	Pixel Size, H x V (µm):
5.7 x 4.28	Sensing Area, H x V (mm):
ON Semi MT9P031	Imaging Sensor:
Progressive Scan CMOS	Type of Sensor:
Rolling	Shutter Type:
8/12 bit	Pixel Depth:
107µs - 2s	Exposure Time:
60	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 opto-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	
S-Mount (M12 x 0.5)	Mount:
No Mounting Threads/Tripod Adapter	Mounting Threads:
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:

Product Details

- M12 S-Mount Board Level Cameras
- Seamless Integration of Liquid Lenses
- One-Push Autofocus, High Speed Focus Movement

Pixelink® USB 3.0 Autofocus Liquid Lens Board Level Cameras provide one push, high-speed, point to point focus by utilizing liquid lens integration. These USB 3.0 board level cameras feature a M12 S-Mount camera mount. With seamless liquid lens control via the included software and easy integration with the Pixelink SDK, these cameras are ideal for high-speed imaging applications such as bar-code reading and biometrics.

Note: Board level cameras with exposed electronics are intended for system integration and may not be suitable for end users. Liquid lens is not included.

To get started, please choose your camera and the appropriate TECHSPEC® Liquid Lens M12 Lenses listed under the *Accessories* section. These lenses are available in 6mm, 8mm, 12mm, and 16mm focal lengths.

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.