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PL-D755-AF-ED Pixelink USB 3.0 Autofocus Monochrome Camera



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- 1 + **£1,984⁰⁰**

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Product Downloads

Spectrum:
Monochrome

General	
Monochrome Camera	Type:
PL-D755-AF-ED	Model Number:

	Manufacturer:
Pixelink	
	Camera Series:
PL-D	

Physical & Mechanical Properties

	Dimensions (mm):
55 x 38.5 x 27 (excludes connectors and lens mount)	
	Weight (g):
35.8	
	Housing:
Full	

Sensor

	Image Buffer:
Not Specified	
	Sensor Format:
2/3"	
	Resolution (Megapixels):
5.00	
	Frame Rate (fps):
80.30	
	Pixels (H x V):
2,448 x 2,048	
	Pixel Size, H x V (µm):
3.45 x 3.45	
	Sensing Area, H x V (mm):
8.45 x 7.07	
	Imaging Sensor:
Sony IMX250	
	Type of Sensor:
Progressive Scan CMOS	
	Shutter Type:
Global	
	Pixel Depth:
8/12 bit	
	Exposure Time:
20µs - 120s	
	Dynamic Range (dB):
70	
	Machine Vision Standard:
USB3 Vision v1.0	

Electrical

	Power Consumption (W):
Not Specified	

Hardware & Interface Connectivity

	Interface:
USB 3.0	
	Connector:
USB 3.0, Micro-B with Screw Locks	
	Power Supply:
Power over USB	
	GPIOs:
1 opto-isolated trigger input, 1 opto-isolated output, 2 non-isolated outputs, 1 non-isolated input	
	Synchronization:
Hardware Trigger (GPIO) or Software Trigger	
	Interface Port Orientation:
Back Panel	
	GPIO Connector Type:
8-pin Hirose (HR25)	

Threading & Mounting

	Mount:
C-Mount	
	Mounting Threads:
1/4-20 with Tripod Mount Adapter #34-949	

Environmental & Durability Factors

	Operating Temperature (°C):
0 to +50	
	Storage Temperature (°C):
-45 to +85	

Regulatory Compliance	
Compliant	RoHS 2015:
Compliant	Reach 224:
View	Certificate of Conformance:

Product Details

- Seamless Integration of Liquid Lenses
- One-Push Autofocus, High Speed Focus Movement
- Easy to Use USB 3.0 Interface

Pixelink® USB 3.0 Autofocus Liquid Lens Cameras provide the ability to seamlessly integrate and control liquid lenses. By enabling the liquid lens to be directly connected to the camera, it allows for the camera to drive and control the liquid lens without the need of a separate driver to achieve fast, continuous focus control. This simple autofocus system makes these cameras ideal for high speed applications such as bar code reading, inspection, and biomedical applications. Pixelink® USB 3.0 Autofocus Liquid Lens Cameras are compatible with our [TECHSPEC® Liquid Lens Cx Series Fixed Focal Length Lenses](#), which combine high resolution image performance with built-in liquid lens integration.

To get started, choose a camera and find the appropriate Cx Lens Liquid Lens options listed under the Accessories section. These lenses are available in 12mm, 16mm, 25mm, 35mm, and 50mm focal lengths and are ready to mount to the Pixelink® USB 3.0 Autofocus Liquid Lens Cameras.

Note: Imaging lens with liquid lens sold separately. Choose one from Liquid Lens Cx Series Fixed Focal Length Lenses.

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.