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PL-D7718CU-AFE Pixelink USB 3.0 Autofocus Color Camera



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C\$2,919^{.00}

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Product Downloads

Color		Spectrum:
General		
Color Camera		Type:
PL-D7718CU-AFE		Model Number:

Pixelink	Manufacturer:
PL-D	Camera Series:

Physical & Mechanical Properties

55 x 38.5 x 30.00 (excludes connectors and lens mount)	Dimensions (mm):
90.5	Weight (g):

Full	Housing:
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Sensor

Not Specified	Image Buffer:
1/2.3"	Sensor Format:

18.00	Resolution (Megapixels):
14.00	Frame Rate (fps):

4,912 x 3,680	Pixels (H x V):
1.25 x 1.25	Pixel Size, H x V (µm):

6.14 x 4.60	Sensing Area, H x V (mm):
ON Semi AR1820	Imaging Sensor:

Progressive Scan CMOS	Type of Sensor:
Rolling	Shutter Type:

8/12 bit	Pixel Depth:
Not Specified	Exposure Time:

60.5	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 with Screw Locks	Connector:

Power over USB	Power Supply:
1 opto-isolated trigger or general-purpose input, 1 opto-isolated output, 2 non-isolated outputs	GPIOs:

Hardware Trigger (GPIO) or Software Trigger	Synchronization:
Side Panel	Interface Port Orientation:

8-pin Hirose (HR25)	GPIO Connector Type:
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Threading & Mounting

C-Mount	Mount:
¼-20 with Tripod Mount Adapter #34-949	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

- 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.