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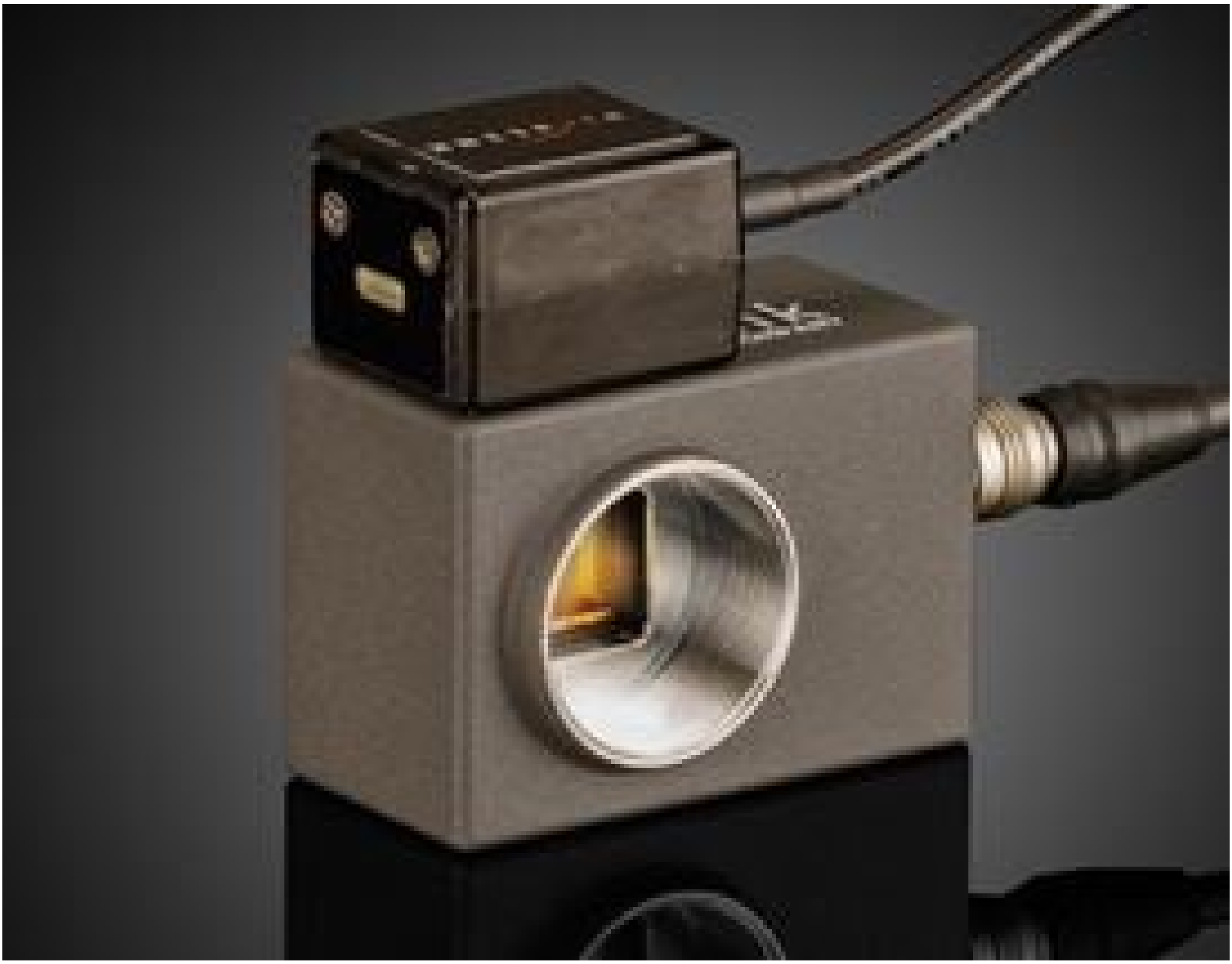
PL-D7718CU-AFE Pixelink USB 3.0 Autofocus Color Camera



Stock **#21-078** **1 In Stock**

Similar Cameras

- 1 + **C$2,919**.00

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Note: This item requires accessories for use | Learn More

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Spectrum:

Color

General

Type:

Color Camera

Model Number:

PL-D7718CU-AFE

Manufacturer:
Pixelink

Camera Series:
PL-D

Physical & Mechanical Properties

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

Weight (g):
90.5

Housing:
Full

Sensor

Image Buffer:
Not Specified

Sensor Format:
1/2.3"

Resolution (Megapixels):
18.00

Frame Rate (fps):
14.00

Pixels (H x V):
4,912 x 3,680

Pixel Size, H x V (µm):
1.25 x 1.25

Sensing Area, H x V (mm):
6.14 x 4.60

Imaging Sensor:
ON Semi AR1820

Type of Sensor:
Progressive Scan CMOS

Shutter Type:
Rolling

Pixel Depth:
8/12 bit

Exposure Time:
Not Specified

Dynamic Range (dB):
60.5

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 or general-purpose input, 1 opto-isolated output, 2 non-isolated outputs

Synchronization:
Hardware Trigger (GPIO) or Software Trigger

Interface Port Orientation:
Side Panel

GPIO Connector Type:
8-pin Hirose (HR25)

Threading & Mounting

Mount:
C-Mount

Mounting Threads:
¼-20 with Tripod Mount Adapter **#34-949**

Environmental & Durability Factors

Operating Temperature (°C):
0 to +50

Storage Temperature (°C):
-45 to +85

Regulatory Compliance

RoHS 2015:	**Reach 224:**
Compliant	Compliant
Certificate of Conformance:	
View	

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.

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