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PL-D7718CU-AFE Pixelink USB 3.0 Autofocus Color Camera



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Color **Spectrum:**

General

Color Camera **Type:**

Model Number:

PL-D7718CU-AFE

Pixelink **Manufacturer:**

PL-D **Camera Series:**

Physical & Mechanical Properties

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

90.5 **Weight (g):**

Full **Housing:**

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):**

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:**

Threading & Mounting

C-Mount **Mount:**

1/4-20 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 CxLens 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 CxSeries 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.