

## PL-D753CU-S-AFE-BL PixeLINK USB 3.0 Autofocus Color Camera



Pixelink® USB 3.0 Autofocus Liquid Lens Board Level Cameras

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### Product Downloads

Color **Spectrum:**

### General

Color Camera **Type:**

PL-D753CU-S-AFE-BL **Model Number:**

Pixelink **Manufacturer:**

PL-D **Camera Series:**

## Physical & Mechanical Properties

**Dimensions (mm):**  
50.8 x 35 x 13.36 (excludes lens mount)

**Weight (g):**  
35.8

**Housing:**  
Board Level

## Sensor

**Image Buffer:**  
Not Specified

**Sensor Format:**  
2/3"

**Resolution (Megapixels):**  
2.80

**Frame Rate (fps):**  
141.00

**Pixels (H x V):**  
1,936 x 1,464

**Pixel Size, H x V (µm):**  
4.5 x 4.5

**Sensing Area, H x V (mm):**  
8.71 x 6.59

**Imaging Sensor:**  
Sony IMX421

**Type of Sensor:**  
Progressive Scan CMOS

**Shutter Type:**  
Global

**Pixel Depth:**  
8/12 bit

**Exposure Time:**  
10µs - 120s

**Dynamic Range (dB):**  
72

**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

**Power Supply:**  
Power over USB

**GPIOs:**  
1 opto-isolated trigger input, 2 non-isolated outputs,  
1 non-isolated input

**Synchronization:**  
Hardware Trigger (GPIO) or Software Trigger

**Interface Port Orientation:**  
Side Panel

**GPIO Connector Type:**  
8-pin Molex 1.25mm Pitch

**Operating System:**  
Software Driver: Windows 32 and 64 bit

## Threading & Mounting

**Mount:**  
S-Mount (M12 x 0.5)

**Mounting Threads:**  
No Mounting Threads/Tripod Adapter

## 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

- 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.