

IDS Imaging Development Systems		Manufacturer:
uEye+ LE-AF		Camera Series:
Physical & Mechanical Properties		
36 x 36 x 20 (excludes connectors and lens mount)		Dimensions (mm):
20		Weight (g):
Board Level		Housing:
Sensor		
Not Specified		Image Buffer:
1/1.8"		Sensor Format:
6.40		Resolution (Megapixels):
54.00		Frame Rate (fps):
3,088 x 2,076		Pixels (H x V):
2.40 x 2.40		Pixel Size, H x V (µm):
7.411 x 4.982		Sensing Area, H x V (mm):
Sony IMX178		Imaging Sensor:
Progressive Scan CMOS		Type of Sensor:
Rolling		Shutter Type:
12 bit		Pixel Depth:
0.014ms - 1090ms		Exposure Time:
71.00		Dynamic Range (dB):
USB3 Vision		Machine Vision Standard:
Electrical		
1 - 1.5		Power Consumption (W):
Hardware & Interface Connectivity		
USB 3.0		Interface:
USB Type-C		Connector:
Power over USB		Power Supply:
2 Flash Output, 2 Trigger Input, 2 GPIO, 2 TWI, 1 Voltage Output, 1 Ground		GPIOs:
Hardware Trigger (GPIO); Software Trigger		Synchronization:
Back Panel (Right Angle)		Interface Port Orientation:
10-pin Wuerth connector (WR-WTB 1.00 mm)		GPIO Connector Type:
Threading & Mounting		
C/CS-Mount		Mount:
No Mounting Threads/Tripod Adapter		Mounting Threads:
Environmental & Durability Factors		
0 to +55		Operating Temperature (°C):
-20 to +80		Storage Temperature (°C):

Regulatory Compliance	
Exempt	RoHS 2015:
View	Certificate of Conformance:
Contains SVHC(s)	REACH 241:

Product Details

- Compact M12 (S-Mount) and C/CS-Mount Board Level Cameras
- Integrated Liquid Lens Control
- Software Based Autofocus Functionality

IDS Imaging uEye LE USB 3.1 AF Autofocus Liquid Lens Board Level Cameras provide integrated liquid lens control allowing users to quickly switch between different focus distances. These board level cameras have a compact size with either an M12 (S-Mount) or C/CS-Mount camera mount. The M12 (S-Mount) cameras are compatible with our [Liquid Lens M12 Imaging Lenses](#), while the C/CS-Mount cameras are compatible with our [Liquid Lens Cx Series Fixed Focal Length Lenses](#). All models are equipped with a 10-pin, lockable I/O Molex connector for GPIO, trigger, and flash. The USB 3.1 Type-C connector enables USB power delivery. The liquid lens is conveniently focused via the camera using software. The autofocus can be triggered very easily by software, can be individually configured to suit the application and ensures perfectly sharp images in an instant.

Note: Board level cameras with exposed electronics are intended for system integration and may not be suitable for end users. Liquid lens sold separately. Choose your camera and the appropriate liquid lens listed under the Accessories section.