

IDS U3-33F1XLS-M, USB 3.0, 1/1.8" Monochrome Board Level Camera

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Pictured is an example of an IDS Board Level Camera (Front)



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1

+

€482⁰⁰

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SPECIFICATIONS

General

Monochrome Camera	Type:
U3-33F1XLS-M	Model Number:
IDS Imaging Development Systems	Manufacturer:
uEye+ XLS	Camera Series:
Monochrome	Spectrum:

Physical & Mechanical Properties

32.5 x 32.5 x 14 (excludes connectors and lens mount)	Dimensions (mm):
10	Weight (g):
Board Level	Housing:

Sensor

Not Specified	Image Buffer:
1/1.8"	Sensor Format:
5.10	Resolution (Megapixels):
49.00	Frame Rate (fps):
2,448 x 2,048	Pixels (H x V):
2.74 x 2.74	Pixel Size, H x V (µm):
6.707 x 5.612	Sensing Area, H x V (mm):
Sony IMX568	Imaging Sensor:
Progressive Scan CMOS	Type of Sensor:
Global	Shutter Type:
12 bit	Pixel Depth:
0.009ms - 2000ms	Exposure Time:
70.00	Dynamic Range (dB):
USB3 Vision	Machine Vision Standard:

Electrical

0.5 - 1.2	Power Consumption (W):
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Hardware & Interface Connectivity

USB 3.0	Interface:
USB 3.0 micro-B	Connector:
Power over USB	Power Supply:
8-pin connector	GPIO Connector Type:

Threading & Mounting

S-Mbunt (M12 x0.5)	Mount:
Environmental & Durability Factors	
0 to +75	Operating Temperature (°C):
-20 to +80	Storage Temperature (°C):
Regulatory Compliance	
View	Certificate of Conformance:

PRODUCT DETAILS

- Standard (SE), Compact (CP), and Ultra Compact (XCP) Housing Options Available
- C-Mount with Large Format CMOS Sensors up to 1.1"
- Up to 20.44MP Resolution with Framerrates up to 396fps

IDS Imaging uEye CP/XCP/SE USB3 Cameras utilize [IDS Imaging's peak SDK platform](#) that supports GeniCam and USB3 Vision standards for easy software development and integration. The CP cameras are the industry standard size of 29 x 29 x 29mm and work for almost any application. The XCP cameras have an ultra-compact size of 29 x 29 x 17mm and are an excellent option for price-sensitive, single-camera applications. The SE cameras have a larger housing size of 34 x 44 x 47mm to allow for exceptional heat management and are ideal for noise and heat-sensitive applications. IDS Imaging uEye CP/XCP/SE USB3 Cameras are ideal for manufacturing, industrial, and automation applications.