

IDS U3-3990SE-M-GL, USB 3.0, 1.1" Monochrome Camera

A close-up photograph of an IDS industrial camera. The camera is black with a silver-colored lens assembly. The lens is red and has a textured, circular pattern. The camera is mounted on a black metal bracket with four screws. The brand name 'IDS' is printed in white on the side of the camera housing. The background is dark and out of focus.

- 1 + €2.505^{,00}

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General	
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U3-3990SE-M-GL **Model Number:**

IDS Imaging Development Systems	Manufacturer:
uEye+ SE	Camera Series:
Physical & Mechanical Properties	
34 x44 x47 (excludes connectors and lens mount)	Dimensions (mm):
110	Weight (g):
Full	Housing:
Sensor	
128MB	Image Buffer:
1.1"	Sensor Format:
20.30	Resolution (Megapixels):
19.00	Frame Rate (fps):
4,512 x4,512	Pixels (H x V):
2.74 x2.74	Pixel Size, H x V (µm):
12.363 x 12.363	Sensing Area, H x V (mm):
Sony IMX541	Imaging Sensor:
Progressive Scan CMOS	Type of Sensor:
Global	Shutter Type:
12 bit	Pixel Depth:
0.013ms - 2000ms	Exposure Time:
70.00	Dynamic Range (dB):
USB3 Vision	Machine Vision Standard:
Electrical	
1.9 - 5.8	Power Consumption (W):
Hardware & Interface Connectivity	
USB 3.0	Interface:
USB Type-C, screwable	Connector:
Power over USB	Power Supply:
2 Flash Output, 2 Trigger Input, 2 GPIO, 1 Voltage Output, 1 Ground	GPIOs:
Hardware Trigger (GPIO); Software Trigger	Synchronization:
Back Panel	Interface Port Orientation:
8-pin Hirose connector (HR25-7TR-8PA(73))	GPIO Connector Type:
Threading & Mounting	
C-Mount	Mount:
1/4-20 with Tripod Mount Adapter #16-017	Mounting Threads:
Environmental & Durability Factors	
0 to +55	Operating Temperature (°C):
-20 to +60	Storage Temperature (°C):

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

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.