

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

A close-up photograph of a black and silver camera housing. The silver section on the left features the 'IDS:' logo in black. The main body is black and has a large, circular lens opening on the right side. The lens is partially covered by a red, textured filter. The housing is secured with several silver screws. The background is dark and out of focus.

- 1 + S\$3,507^{.00}

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

Manufacturer:

IDS Imaging Development Systems	
uEye+ SE	Camera Series:
Physical & Mechanical Properties	
Dimensions (mm): 34 x 44 x 47 (excludes connectors and lens mount)	
110	Weight (g):
Housing: Full	
Sensor	
128MB	Image Buffer:
1.1"	Sensor Format:
20.30	Resolution (Megapixels):
19.00	Frame Rate (fps):
4,512 x 4,512	Pixels (H x V):
2.74 x 2.74	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	Mounting Threads:
#16-017	
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 x29 x29mm and work for almost any application. The XCP cameras have an ultra-compact size of 29 x29 x 17mm and are an excellent option for price-sensitive, single-camera applications. The SE cameras have a larger housing size of 34 x44 x47mm 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.