

IDS U3-3800SE-C-HQ, USB 3.0, 1" Color Camera

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Stock #24-136 **1 In Stock**

- 1 +

£800^{.00}

ADD TO CART

IDS Imaging uEye+ USB3 Camera, SE Model (Front)



Volume Pricing	
Qty 1+	£800.00 each
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! Prices shown are exclusive of VAT/local taxes

Product Downloads

- [User Manual](#)
- [Software](#)
- [EO Spec Sheet](#)

Spectrum: Color

General

Type: Color Camera	Model Number: U3-3800SE-C-HQ
Manufacturer: IDS Imaging Development Systems	Camera Series: uEye+ SE

Physical & Mechanical Properties

Dimensions (mm): 34 x 44 x 47 (excludes connectors and lens mount)	Weight (g): 110
Housing: Full	

Sensor

Image Buffer: 128MB	Sensor Format: 1"
Resolution (Megapixels): 20.40	Frame Rate (fps): 19.50
Pixels (H x V): 5,536 x 3,692	Pixel Size, H x V (µm): 2.40 x 2.40
Sensing Area, H x V (mm): 13.286 x 8.861	Imaging Sensor: Sony IMX183
Type of Sensor: Progressive Scan CMOS	Shutter Type: Rolling
Pixel Depth: 12 bit	Exposure Time: 0.036ms - 814ms
Dynamic Range (dB): 71.00	Machine Vision Standard: USB3 Vision

Electrical

Power Consumption (W): 2 - 3.6	
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Hardware & Interface Connectivity

Interface:	USB 3.0	Connector:	USB Type-C, screwable
Power Supply:	Power over USB	GPIOs:	2 Flash Output, 2 Trigger Input, 2 GPIO, 1 Voltage Output, 1 Ground
Synchronization:	Hardware Trigger (GPIO); Software Trigger	Interface Port Orientation:	Back Panel
GPIO Connector Type:	8-pin Hirose connector (HR25-7TR-8PA(73))		

Threading & Mounting

Mount:	C-Mount	Mounting Threads:	¼-20 with Tripod Mount Adapter #16-017
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Environmental & Durability Factors

Operating Temperature (°C):	0 to +55	Storage Temperature (°C):	-20 to +60
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Regulatory Compliance

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

Product Details

Sony IMX183

- 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 Framerates 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.

Accessories

Note: Compatible accessories for individual stock numbers may vary. If unsure about which accessories work with your products, please contact us [here](#).

	Title	Compare	Stock Number	Price	Buy
MORE+	Type-A to Type-C, USB 3.1 Locking Cable, 3m		#37-342	£58.40 Request Quote	CONTACT US <input type="text" value="1"/>
MORE+	Type-A to Type-C, USB 3.1 Locking Cable, 5m		#37-343	£75.20 Request Quote	5 In Stock <input type="text" value="1"/>
MORE+	¼-20 Mounting Adapter for IDS Imaging USB 3/GigE/PoE Camera - Rev 2		#35-088	£36.00 Request Quote	3 In Stock <input type="text" value="1"/>

▲	Title	Compare	Stock Number	Price	Buy
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MORE+

3m Standard I/O Cable, Female Termination

#74-506

£50.40
Request
Quote

5 In Stock

1

Related Products



IDS Imaging Cameras



Imaging Lenses



Machine Vision Lighting



Teledyne FLIR IIS
Oryx@10GigE Cameras

Imaging Lens Selector

Imaging

- Factory Automation
- Telecentric
- M12

- Custom Sensor
- Camera Model

Camera Model:

Number of Horizontal
Pixels:

1

Number of Vertical
Pixels:

2

Pixel Size (µm):

3

Working Distance (mm):

4

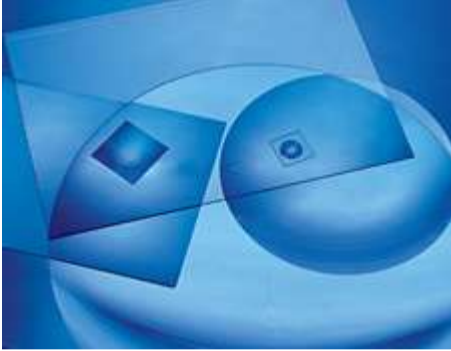
Horizontal Field of View
(mm):

5



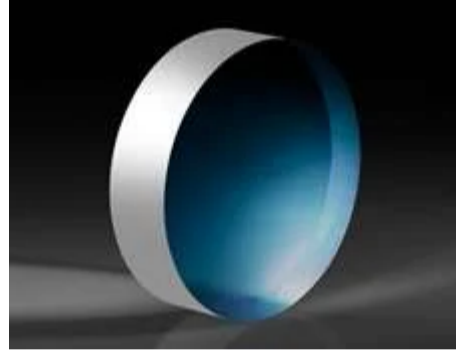
Disclaimer: Values represent theoretical values from lens design software. Actual lens performance varies due to manufacturing tolerances.

Frequently Purchased Together



#43-024 - 2.3" x 2.3", 1.5" Focal Length, Fresnel Lens
£36.00

Qty



#45-813 - 30mm Dia. 3mm Thick UV-AR Coated, 1λ Fused Silica Window
£111.20

Qty



#49-685 - 50R/50T VIS, C-Mounted Plate Beamsplitter
£267.20

Qty



#54-363 - 10X (13 - 130mm FL) C-Mount, Close Focus Zoom Lens
£616.00

Qty

Resources

Media Type

- Application Note
- Video
- Published Article
- FAQ
- Glossary
- Technical Tool

APPLICATION NOTE

Sensor Performance and Limitations

APPLICATION NOTE

Imaging Electronics 101: Basics of Digital...

APPLICATION NOTE

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VIDEO

How Do Cameras Work?

PUBLISHED ARTICLE

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