

IDS U3-3040LE-C-HQ, USB 3.0, 1/2.9" Color Camera

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IDS Imaging uEye LE/XLE Camera (C/CS - Mount, Full Housing, Front View)



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SPECIFICATIONS

Color

Spectrum:

General

Color Camera

Type:

U3-3040LE-C-HQ	Model Number:
IDS Imaging Development Systems	Manufacturer:
uEye+ LE	Camera Series:

Physical & Mechanical Properties

47 x 46 x 23.9 (excludes connectors and lens mount)	Dimensions (mm):
38	Weight (g):
Full	Housing:

Sensor

Not Specified	Image Buffer:
1/2.9"	Sensor Format:
1.58	Resolution (Megapixels):
230.00	Frame Rate (fps):
1,448 x 1,086	Pixels (H x V):
3.45 x 3.45	Pixel Size, H x V (µm):
4.995 x 3.746	Sensing Area, H x V (mm):
Sony IMX273	Imaging Sensor:
Progressive Scan CMOS	Type of Sensor:
Global	Shutter Type:
12 bit	Pixel Depth:
0.04ms - 2000ms	Exposure Time:
70.00	Dynamic Range (dB):
USB3 Vision	Machine Vision Standard:

Electrical

1 - 2	Power Consumption (W):
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Hardware & Interface Connectivity

USB 3.0	Interface:
USB Type-C	Connector:
Power over USB	Power Supply:
N/A	GPIOs:
Hardware Trigger (GPIO); Software Trigger	Synchronization:
Back Panel (Right Angle)	Interface Port Orientation:
No GPIO Connector Available	GPIO Connector Type:

Threading & Mounting

C/CS-Mount	Mount:
1/4-20 with Tripod Mount Adapter #16-017	Mounting Threads:

Environmental & Durability Factors

0 to +55	Operating Temperature (°C):
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Storage Temperature (°C):	
-20 to +80	
Regulatory Compliance	
Exempt	RoHS 2015:
View	Certificate of Conformance:
Contains SVHC(s)	REACH 241:

PRODUCT DETAILS

- Up to 8.0MP Resolution with Framerrates up to 230fps
- Board Level Options with C/CS-Mount or S-Mount Available
- GenICam USB3 Vision Compliant

IDS Imaging uEye LE/XLE USB3.1 Cameras utilize [IDS Imaging's peak SDK platform](#) that supports GeniCam and USB3 Vision standards for ease of software development and integration. These cameras are available in board-level or housed options with S-Mount or C/CS-Mount versions. The C/CS-Mount configurations come with a 5mm spacer to easily adapt between C-Mbunt and CS-Mount lenses. IDS Imaging uEye LE/XLE USB3.1 Cameras are ideal for small device construction, medical technology, robotics, and machine vision applications. With a compact design, the XLE version is suitable for integration into embedded systems whereas the LE version is suitable for small device projects.