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IDS U3-3041LE-C-HQ, USB 3.0, 1/2.9" Color Camera

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IDS Imaging uEye LE Camera (M12, Board Level, Front View)



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S\$525⁰⁰

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Color Spectrum:

General

Color Camera Type:

U3-3041LE-C-HQ Model Number:

Manufacturer:
IDS Imaging Development Systems

Camera Series:
uEye+ LE

Physical & Mechanical Properties

Dimensions (mm):
36 x 36 x 19.9 (excludes connectors and lens mount)

Weight (g):
16

Housing:
Board Level

Sensor

Image Buffer:
Not Specified

Sensor Format:
1/2.9"

Resolution (Megapixels):
1.50

Frame Rate (fps):
230.00

Pixels (H x V):
1,448 x 1,086

Pixel Size, H x V (µm):
3.45 x 3.45

Sensing Area, H x V (mm):
4.995 x 3.746

Imaging Sensor:
Sony IMX273

Type of Sensor:
Progressive Scan CMOS

Shutter Type:
Global

Pixel Depth:
12 bit

Exposure Time:
0.04ms - 2000ms

Dynamic Range (dB):
70.00

Machine Vision Standard:
USB3 Vision

Electrical

Power Consumption (W):
1 - 2

Hardware & Interface Connectivity

Interface:
USB 3.0

Connector:
USB Type-C

Power Supply:
Power over USB

GPIOs:
2 Flash Output, 2 Trigger Input, 2 GPIO, 2 TWI, 1 Voltage Output, 1 Ground

Synchronization:
Hardware Trigger (GPIO); Software Trigger

Interface Port Orientation:
Back Panel (Right Angle)

GPIO Connector Type:
10-pin Wuerth connector (WR-WTB 1.00 mm)

Threading & Mounting

Mount:
S-Mount (M12 x 0.5)

Mounting Threads:
N/A

Environmental & Durability Factors

Operating Temperature (°C):
0 to +55

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 Framrates 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-Mount 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.