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IDS Imaging U3-3046LE-C-HQ 1/2.9" Color USB3 Camera

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IDS Imaging uEye LE/XLE Camera (M12, Full Housing, Front View)



Stock #24-105 **1 In Stock**

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1 **£320⁰⁰**

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Color **Spectrum:**

General

Color Camera **Type:**

Model Number:

Manufacturer:
IDS Imaging Development Systems

Camera Series:
uEye LE

Physical & Mechanical Properties

Dimensions (mm):
47 x 46 x 25 (excludes connectors and lens mount)

Weight (g):
38

Housing:
Full

Sensor

Image Buffer:
Not Specified

Sensor Format:
1/2.9"

Resolution (Megapixels):
1.58

Frame Rate (fps):
230.00

Pixels (H x V):
1,456 x 1,088

Pixel Size, H x V (µm):
3.45 x 3.45

Sensing Area, H x V (mm):
5.03 x 3.75

Imaging Sensor:
Sony IMX273

Type of Sensor:
Progressive Scan CMOS

Shutter Type:
Global

Pixel Depth:
12 bit

Exposure Time:
40µs - 2s

Dynamic Range (dB):
Not Specified

Machine Vision Standard:
USB3 Vision v1.1

Electrical

Power Consumption (W):
1 - 2

Hardware & Interface Connectivity

Interface:
USB 3.0

Connector:
USB Type-C

Power Supply:
Power over USB

GPIOs:
N/A

Synchronization:
Hardware Trigger (GPIO); Software Trigger

Interface Port Orientation:
Back Panel (Right Angle)

GPIO Connector Type:
N/A

Threading & Mounting

Mount:
S-Mount (M12 x 0.5)

Mounting Threads:
¼-20 with Tripod Mount Adapter [#16-017](#)

Environmental & Durability Factors

Operating Temperature (°C):
0 to +55

Storage Temperature (°C):

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.