IDS U3-3271LE-M-GL-VU, USB 3.0, 1/1.8" Monochrome Camera

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

+1

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SPECIFICATIONS

General

Type:
Monochrome Camera

Model Number:

U3-3271LE-M-GL-VU

Manufacturer:
IDS Imaging Development Systems

Camera Series:
uEye+ LE

Spectrum:
Monochrome

Physical & Mechanical Properties

Dimensions (mm):
36 x 36 x 26 (excludes connectors and lens mount)

Weight (g):
16

Housing:
Board Level

Sensor

Image Buffer:
Not Specified

Sensor Format:
1/1.8"

Resolution (Megapixels):
3.17

Frame Rate (fps):
58.00

Pixels (H x V):
2,056 x 1,542

Pixel Size, H x V (µm):
3.45 x 3.45

Sensing Area, H x V (mm):
7.093 x 5.32

Imaging Sensor:
Sony IMX265

Type of Sensor:
Progressive Scan CMOS

Shutter Type:
Global

Pixel Depth:
12 bit

Exposure Time:
0.025ms - 1900ms

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

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

Threading & Mounting

Mount:
S-Mount (M12 x 0.5)

Environmental & Durability Factors

Operating Temperature (°C):
0 to +55

Storage Temperature (°C):
-20 to +80

Regulatory Compliance

Certificate of Conformance:
View

PRODUCT DETAILS

- Up to 8.0MP Resolution with Framerates 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.