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IDS U3-3880LE-C-HQ, USB 3.0, 1/1.8" Color Camera

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



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− 1 + A\$620⁰⁰

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Color **Spectrum:**

General

Color Camera **Type:**

U3-3880LE-C-HQ **Model Number:**

Manufacturer:
IDS Imaging Development Systems

Camera Series:
uEye+ LE

Physical & Mechanical Properties

Dimensions (mm):
47 x 46 x 23.9 (excludes connectors and lens mount)

Weight (g):
36

Housing:
Full

Sensor

Image Buffer:
Not Specified

Sensor Format:
1/1.8"

Resolution (Megapixels):
6.41

Frame Rate (fps):
54.00

Pixels (H x V):
3,088 x 2,076

Pixel Size, H x V (µm):
2.40 x 2.40

Sensing Area, H x V (mm):
7.411 x 4.982

Imaging Sensor:
Sony IMX178

Type of Sensor:
Progressive Scan CMOS

Shutter Type:
Rolling

Pixel Depth:
12 bit

Exposure Time:
0.014ms - 1090ms

Dynamic Range (dB):
71.00

Machine Vision Standard:
USB3 Vision

Electrical

Power Consumption (W):
1 - 1.5

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:
No GPIO Connector Available

Threading & Mounting

Mount:
C/CS-Mount

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

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.

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