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IDS U3-3060CP-C-HQ, USB 3.0, 1/1.2" Color Camera

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IDS Imaging uEye+ USB3 Camera, CP Model (Front)

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Spectrum:

Color

General

Type:

Color Camera

Model Number:
U3-3060CP-C-HQ

Manufacturer:
IDS Imaging Development Systems

Camera Series:
uEye+ CP

Physical & Mechanical Properties

Dimensions (mm):
29 x 29 x 29 (excludes connectors and lens mount)

Weight (g):
49

Housing:
Full

Sensor

Image Buffer:
128MB

Sensor Format:
1/1.2"

Resolution (Megapixels):
2.30

Frame Rate (fps):
161.00

Pixels (H x V):
1,936 x 1,216

Pixel Size, H x V (µm):
5.86 x 5.86

Sensing Area, H x V (mm):
11.345 x 7.126

Imaging Sensor:
Sony IMX174

Type of Sensor:
Progressive Scan CMOS

Shutter Type:
Global

Pixel Depth:
12 bit

Exposure Time:
0.039ms - 2000ms

Dynamic Range (dB):
74.00

Machine Vision Standard:
USB3 Vision

Electrical

Power Consumption (W):
1.6 - 3.2

Hardware & Interface Connectivity

Interface:
USB 3.0

Connector:
USB 3.0 micro-B, screwable

Power Supply:
Power over USB

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

Synchronization:
Hardware Trigger (GPIO)

Interface Port Orientation:
Back Panel

GPIO Connector Type:
8-pin Hirose connector (HR25-7TR-8PA(73))

Threading & Mounting

Mount:
C-Mount

Mounting Threads:
¼-20 with Tripod Mount Adapter **#35-088**

Environmental & Durability Factors

Operating Temperature (°C):
0 to +55

Storage Temperature (°C):	
-20 to +60	

Regulatory Compliance

RoHS 2015:	
Exempt	
Certificate of Conformance:	
View	
REACH 241:	
Contains SVHC(s)	

Product Details

- Standard (SE), Compact (CP), and Ultra Compact (XCP) Housing Options Available
- C-Mount with Large Format CMOS Sensors up to 1.1”
- Up to 20.44MP Resolution with Framerates up to 396fps

IDS Imaging uEye CP/XCP/SE USB3 Cameras utilize **IDS Imaging’s peak SDK platform** that supports GeniCam and USB3 Vision standards for easy software development and integration. The CP cameras are the industry standard size of 29 x 29 x 29mm and work for almost any application. The XCP cameras have an ultra-compact size of 29 x 29 x 17mm and are an excellent option for price-sensitive, single-camera applications. The SE cameras have a larger housing size of 34 x 44 x 47mm to allow for exceptional heat management and are ideal for noise and heat-sensitive applications. IDS Imaging uEye CP/XCP/SE USB3 Cameras are ideal for manufacturing, industrial, and automation applications.

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