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IDS U3-3681XLS-NIR, USB 3.0, 1/2.5" Monochrome Board Level Camera NIR

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Pictured is an example of an IDS Board Level Camera (Front)



Stock **#78-252** [CONTACT US](#)

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1

+

C\$483⁰⁰

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NIR	Spectrum:
General	
Mono NIR	Type:
U3-3681XLS-NIR	Model Number:
IDS Imaging Development Systems	Manufacturer:
uEye+ XLS	Camera Series:

Physical & Mechanical Properties	
32.5 x 32.5 x 14 (excludes connectors and lens mount)	Dimensions (mm):
13	Weight (g):
Board Level	Housing:

Sensor	
Not Specified	Image Buffer:
1/2.5"	Sensor Format:
5.04	Resolution (Megapixels):
48.00	Frame Rate (fps):
2,592 x 1,944	Pixels (H x V):
2.20 x 2.20	Pixel Size, H x V (µm):
5.702 x 4.277	Sensing Area, H x V (mm):
ON Semi AR0522	Imaging Sensor:
Progressive Scan CMOS	Type of Sensor:
Rolling	Shutter Type:
12 bit	Pixel Depth:
0.01ms - 635ms	Exposure Time:
63.00	Dynamic Range (dB):
USB3 Vision	Machine Vision Standard:

Electrical	
0.6 - 1.2	Power Consumption (W):

Hardware & Interface Connectivity	
USB 3.0	Interface:
USB 3.0 micro-B	Connector:
Power over USB	Power Supply:
8-pin connector	GPIO Connector Type:

Threading & Mounting	
S-Mount (M12 x 0.5)	Mount:

Environmental & Durability Factors	
0 to +85	Operating Temperature (°C):

-20 to +80	Storage Temperature (°C):
Regulatory Compliance	
View	Certificate of Conformance:

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 Framerrates 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 x29 x29mm and work for almost any application. The XCP cameras have an ultra-compact size of 29 x29 x 17mm and are an excellent option for price-sensitive, single-camera applications. The SE cameras have a larger housing size of 34 x44 x47mm 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.

Calibration Services