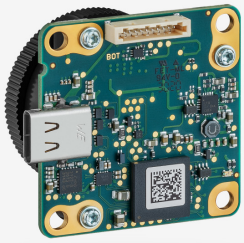
U3-3564XLE-C-HQ (AB03169)

In series
The model is in series and available for the long term.



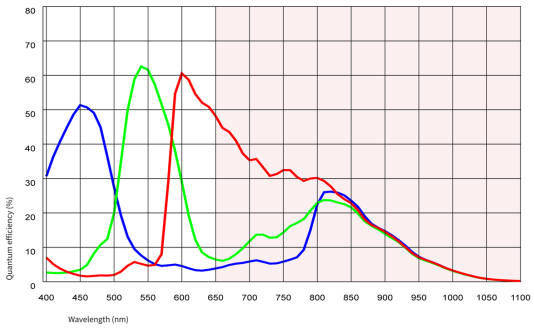




Specification

Sensor

Sensor type	CMOS Color
Shutter	Global Shutter
Sensor characteristic	Linear
Readout mode	Progressive scan
Pixel Class	2 MP
Resolution	2.30 Mpix
Resolution (h x v)	1920 x 1200 Pixel
Aspect ratio	16:10
ADC	10 bit
Color depth (camera)	10 bit
Optical sensor class	1/3""
Optical Size	5.760 mm x 3.600 mm
Optical sensor diagonal	6.79 mm (1/2.36")
Pixel size	3 µm
Manufacturer	Onsemi
Sensor Model	AR0234CS-RGB
Gain (master/RGB)	16x/8x
AOI horizontal	same frame rate
AOI vertical	increased frame rate
AOI image width / step width	48 / 12
AOI image height / step width	4 / 2
AOI position grid (horizontal/vertical)	4 / 2
Binning horizontal	same frame rate
Binning vertical	increased frame rate
Binning method	-
Binning factor	2
Subsampling horizontal	same frame rate
Subsampling vertical	increased frame rate
Subsampling method	-
Subsampling factor	2, 4



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Model

Frame rate freerun mode	102
Frame rate trigger (continuous)	72
Frame rate trigger (maximum)	72
Exposure time (minimum - maximum)	0.012 ms - 2000 ms
Power consumption	0.5 W - 1 W

Ambient conditions

The temperature values given below refer to the outer device temperature of the camera housing. For PCB versions, refer to the separate hints in the respective documentation.

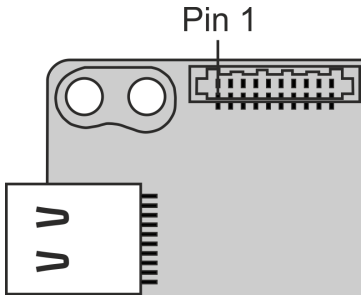
Device temperature during operation	0 °C - 55 °C / 32 °F - 131 °F
Device temperature during storage	-20 °C - 80 °C / -4 °F - 176 °F
Humidity (relative, non-condensing)	20 % - 80 %

Connectors

Interface connector	USB Type-C
I/O connector	10-pin Molex connector (IllumiMate)
Power supply	USB cable

Pin assignment I/O connector

1	Voltage output 5 V
2	Ground (GND)
3	not connected
4	not connected
5	not connected
6	not connected
7	Trigger input without optocoupler 3.3 V - Line 0
8	Flash output without optocoupler 3.3 V - Line 1
9	Ground (GND)
10	Voltage output 3.3 V



Camera rear view

Design

Lens Mount	CS- / C-Mount
IP code	-
Dimensions H/W/L	36.0 mm x 36.0 mm x 19.3 mm
Mass	18 g

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