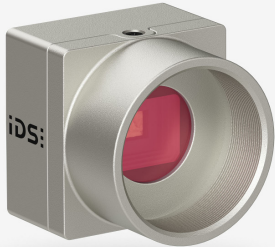


U3-3560XCP-C-HQ (AB03216)



■ In development

The model is not yet in series production, but will be introduced shortly.



Specification

- PRELIMINARY -

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	ON Semiconductor
Sensor Model	AR0234CS-RGB
Gain (master/RGB)	16x/8x
AOI horizontal	same frame rate
AOI vertical	increased frame rate
AOI image width / step width	288 / 12
AOI image height / step width	4 / 2
AOI position grid (horizontal/vertical)	4 / 2
Binning horizontal	-
Binning vertical	-
Binning method	-
Binning factor	-
Subsampling horizontal	same frame rate
Subsampling vertical	increased frame rate
Subsampling method	M/C automatic
Subsampling factor	2, 4

Subject to technical modifications (2021-11-09)

U3-3560XCP-C-HQ (AB03216)

Model

Frame rate freerun mode	73
Frame rate trigger (continuous)	72
Frame rate trigger (maximum)	72
Exposure time (minimum - maximum)	0.018 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.

Device temperature during operation	0 °C - 55 °C / 32 °F - 131 °F
Device temperature during storage	-20 °C - 60 °C / -4 °F - 140 °F
Humidity (relative, non-condensing)	20 % - 80 %

Connectors

Interface connector	USB 3.0 micro-B, screwable
I/O connector	8-pin connector
Power supply	USB cable

Pin assignment I/O connector

1	Voltage output 3.3 V
2	Ground (GND)
3	Flash output without optocoupler
4	Trigger input without optocoupler
5	General Purpose I/O (GPIO) 1
6	General Purpose I/O (GPIO) 2
7	Ground (GND)
8	USB Power: 5 V, max. 400 mA



Camera rear view

Design

Lens Mount	C-Mount
IP code	IP30
Dimensions H/W/L	29.0 mm x 29.0 mm x 17.0 mm
Mass	32 g