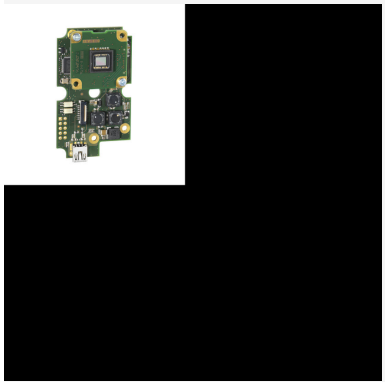
UI-2312SE-M (AB.0010.1.24900.00)

Discontinued
The model has been discontinued.



Specification

Sensor

Sensor type	CCD Mono
Shutter	Global Shutter
Sensor characteristic	Linear
Readout mode	Progressive scan
Pixel Class	0.3 MP
Resolution	0.31 Mpix
Resolution (h x v)	640 x 480 Pixel
Aspect ratio	4:3
ADC	10 bit
Color depth (camera)	8 bit
Optical sensor class	1/4""
Optical Size	3.584 mm x 2.688 mm
Optical sensor diagonal	4.48 mm (1/3.57")
Pixel size	5.6 µm
Manufacturer	Sony
Sensor Model	ICX098BL
Gain (master/RGB)	-/-
AOI horizontal	increased frame rate
AOI vertical	increased frame rate
AOI image width / step width	16 / 16
AOI image height / step width	120 / 1
AOI position grid (horizontal/vertical)	1 / 1
Binning horizontal	-
Binning vertical	increased frame rate
Binning method	Mono
Binning factor	2 / 3 / 4
Subsampling horizontal	-
Subsampling vertical	-
Subsampling method	-
Subsampling factor	-

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Model

Pixel clock range	5 MHz - 30 MHz
Frame rate freerun mode	75
Frame rate trigger (maximum)	65
Exposure time (minimum - maximum)	0.040 ms - 640 ms
Power consumption	1.6 W - 2.3 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.

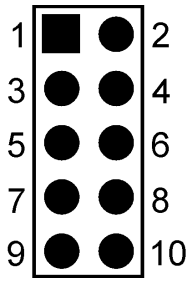
Device temperature during operation	0 °C - 55 °C / 32 °F - 131 °F
Device temperature during storage	-20 °C - 60 °C / -4 °F - 140 °F
Humidity (relative, non-condensing)	20 % - 80 %

Connectors

Interface connector	USB 2.0 mini-B, screwable
I/O connector	10-pin plated-through holes
Power supply	USB cable

Pin assignment I/O connector

1	USB Power supply (VCC) 5 V
2	USB Ground (GND)
3	Trigger input without optocoupler (+)
4	Flash output without optocoupler (+)
5	Power supply (internal voltage transformer), 3.3 V or 3.0 V (sensor-dependent)
6	USB Ground (GND)
7	General Purpose I/O (GPIO) 1
8	General Purpose I/O (GPIO) 2
9	I2C bus clock signal
10	I2C bus data signal



Camera rear view

Design

Lens Mount	-
IP code	-
Dimensions H/W/L	68.5 mm x 40.0 mm x 9.9 mm
Mass	26 g

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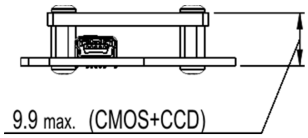

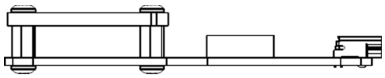

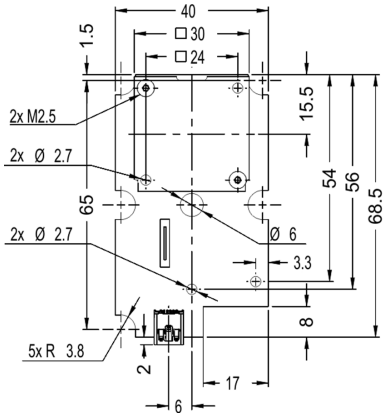

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