UI-1450SE-C-BG (AB.0010.1.09410.00)

Discontinued
The model has been discontinued.



Specification

Sensor

Sensor type	CMOS Color
Shutter	Rolling shutter
Sensor characteristic	Linear
Readout mode	Progressive scan
Pixel Class	1.9 MP
Resolution	1.92 Mpix
Resolution (h x v)	1600 x 1200 Pixel
Aspect ratio	4:3
ADC	10 bit
Color depth (camera)	8 bit
Optical sensor class	1/2""
Optical Size	6.720 mm x 5.040 mm
Optical sensor diagonal	8.4 mm (1/1.9")
Pixel size	4.2 µm
Manufacturer	Onsemi
Sensor Model	MT9D001
Gain (master/RGB)	-/12x
AOI horizontal	increased frame rate
AOI vertical	increased frame rate
AOI image width / step width	16 / 16
AOI image height / step width	4 / 2
AOI position grid (horizontal/vertical)	4 / 2
Binning horizontal	-
Binning vertical	-
Binning method	-
Binning factor	-
Subsampling horizontal	increased frame rate
Subsampling vertical	increased frame rate
Subsampling method	Color
Subsampling factor	2, 4, 8

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Model

Pixel clock range	5 MHz - 43 MHz
Frame rate freerun mode	18
Frame rate trigger (maximum)	16
Exposure time (minimum - maximum)	0.045 ms - 1250 ms
Power consumption	1 W - 1.4 W

Ambient conditions

The temperature values given below refer to the outer device temperature of the camera housing.

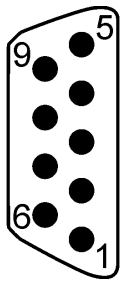
Device temperature during operation	0 °C - 55 °C / 32 °F - 131 °F
Device temperature during storage	-20 °C - 60 °C / -4 °F - 140 °F
Humidity (relative, non-condensing)	20 % - 80 %

Connectors

Interface connector	USB 2.0 mini-B, screwable
I/O connector	9-pin micro D-Sub socket (MPE Garry 11-0021-50-09L)
Power supply	USB cable

Pin assignment I/O connector

1	Flash output with optocoupler (-)
2	Trigger input with optocoupler (+)
3	Shielding
4	USB Power supply (VCC) 5 V
5	USB Ground (GND)
6	Flash output with optocoupler (+)
7	Trigger input with optocoupler (-)
8	USB data (+)
9	USB data (-)

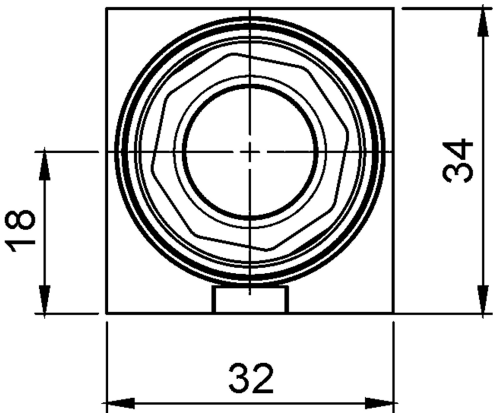


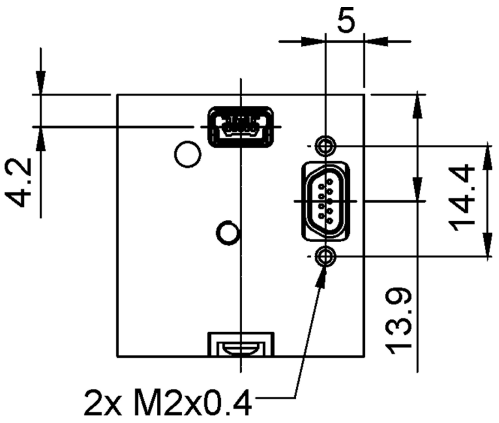
Camera rear view

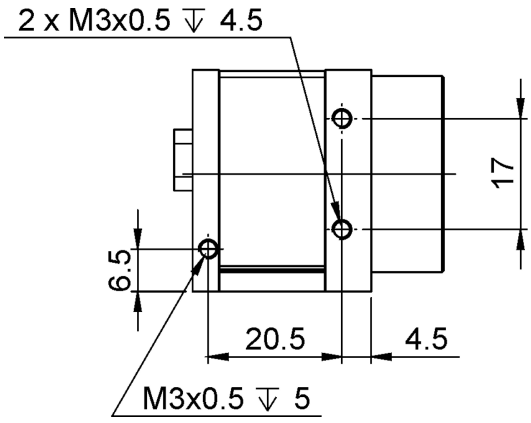
Design

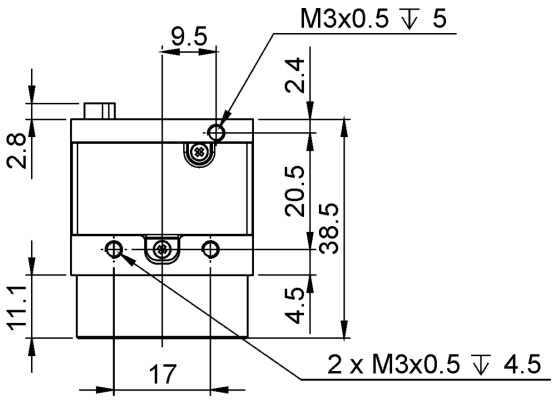
Lens Mount	C-Mount
IP code	IP30
Dimensions H/W/L	34.0 mm x 32.0 mm x 41.3 mm
Mass	65 g

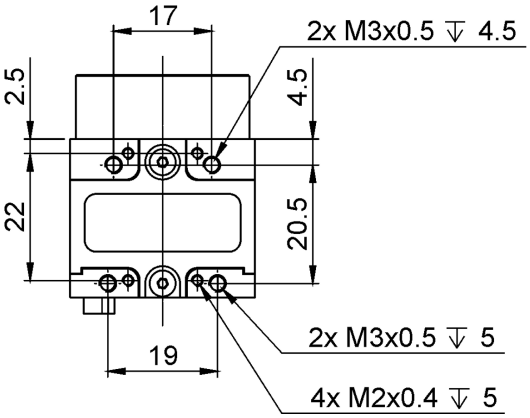
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