UI-1640RE-C-HQ (AB.0010.1.33100.00)

Discontinued
The model has been discontinued.



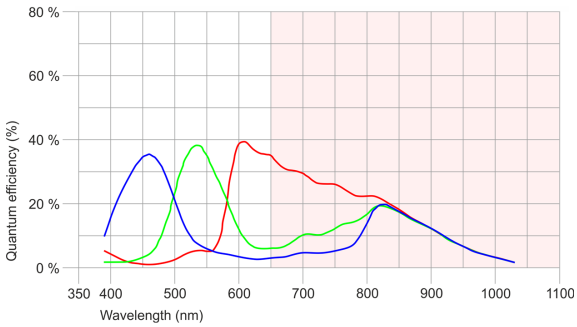




Specification

Sensor

Sensor type	CMOS Color
Shutter	Rolling shutter
Sensor characteristic	Linear
Readout mode	Progressive scan
Pixel Class	1.3 MP
Resolution	1.31 Mpix
Resolution (h x v)	1280 x 1024 Pixel
Aspect ratio	5:4
ADC	10 bit
Color depth (camera)	12 bit
Optical sensor class	1/3""
Optical Size	4.608 mm x 3.686 mm
Optical sensor diagonal	5.9 mm (1/2.71")
Pixel size	3.6 µm
Manufacturer	Onsemi
Sensor Model	MT9M131STC
Gain (master/RGB)	4.3x/3.1x
AOI horizontal	increased frame rate
AOI vertical	increased frame rate
AOI image width / step width	32 / 4
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



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Model

Pixel clock range	5 MHz - 40 MHz
Frame rate freerun mode	25
Frame rate trigger (maximum)	24
Exposure time (minimum - maximum)	0.037 ms - 10122 ms
Power consumption	0.3 W - 0.8 W

Ambient conditions

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

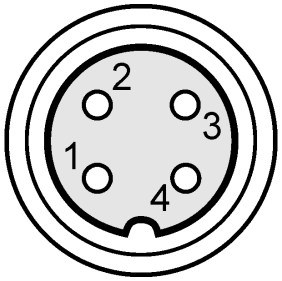
Device temperature during operation	0 °C - 55 °C / 32 °F - 131 °F
Device temperature during storage	-20 °C - 60 °C / -4 °F - 140 °F
Humidity (relative, non-condensing)	0 % - 100 %

Connectors

Interface connector	USB 2.0 mini-B, screwable
I/O connector	4-pin Binder socket (Binder series 712: 09-0412-20-04)
Power supply	USB cable

Pin assignment I/O connector

1	Trigger input with optocoupler (+)
2	Trigger input with optocoupler (-)
3	Flash output with optocoupler (-)
4	Flash output with optocoupler (+)

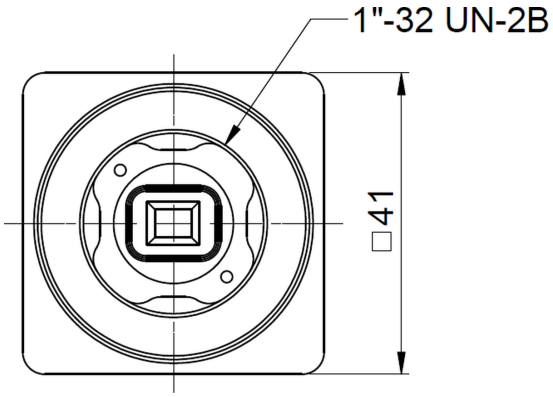


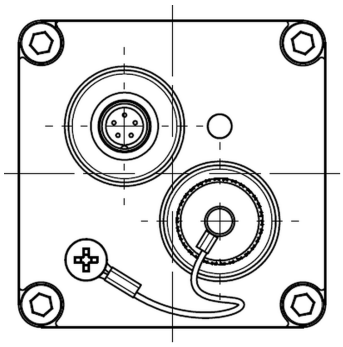
Camera rear view

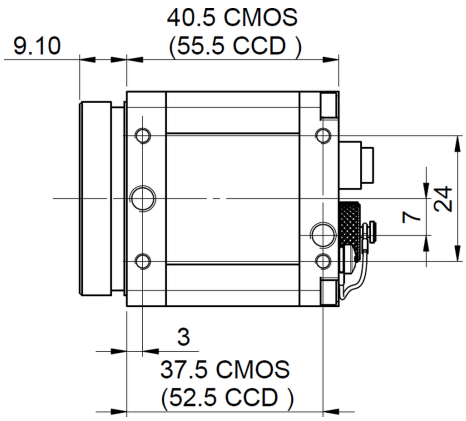
Design

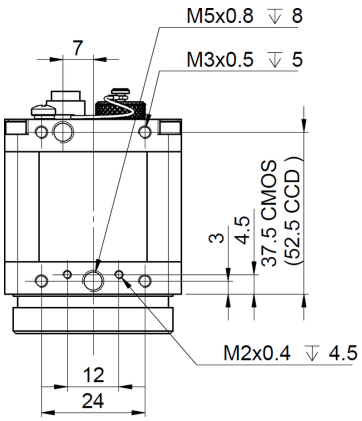
Lens Mount	C-Mount
IP code	IP65/67
Dimensions H/W/L	41.0 mm x 41.0 mm x 40.5 mm
Mass	140 g

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