UI-1580RE-C-HQ (AB00090)

Discontinued
The model has been discontinued.

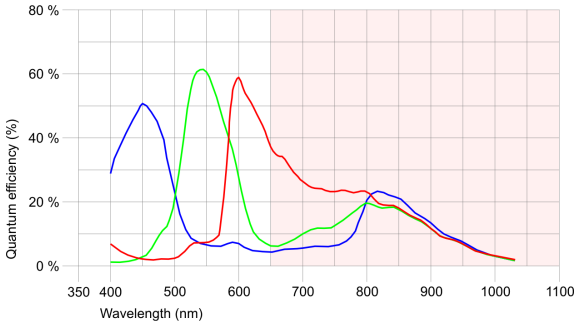




Specification

Sensor

Sensor type	CMOS Color
Shutter	Rolling shutter / Global Start Shutter
Sensor characteristic	Linear
Readout mode	Progressive scan
Pixel Class	5 MP
Resolution	4.92 Mpix
Resolution (h x v)	2560 x 1920 Pixel
Aspect ratio	4:3
ADC	12 bit
Color depth (camera)	8 bit
Optical sensor class	1/2.5""
Optical Size	5.632 mm x 4.224 mm
Optical sensor diagonal	7.04 mm (1/2.27")
Pixel size	2.2 µm
Manufacturer	Onsemi
Sensor Model	MT9P006STC
Gain (master/RGB)	12.2x/5.8x
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	increased frame rate
Binning vertical	increased frame rate
Binning method	Color
Binning factor	2 / 3 / 4 / 6
Subsampling horizontal	increased frame rate
Subsampling vertical	increased frame rate
Subsampling method	Color
Subsampling factor	2, 3, 4, 5, 6



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Model

Pixel clock range	5 MHz - 43 MHz
Frame rate freerun mode	6.3 fps
Frame rate trigger (maximum)	6.4 fps
Exposure time (minimum - maximum)	0.075 ms - 2745 ms
Power consumption	0.5 W - 0.9 W

Ambient conditions

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

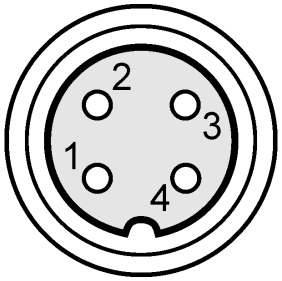
Device temperature during operation	0 °C - 55 °C / 32 °F - 131 °F
Device temperature during storage	-20 °C - 60 °C / -4 °F - 140 °F
Humidity (relative, non-condensing)	0 % - 100 %

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 (+)

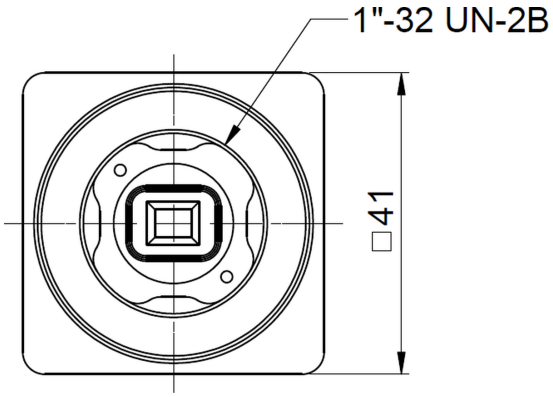


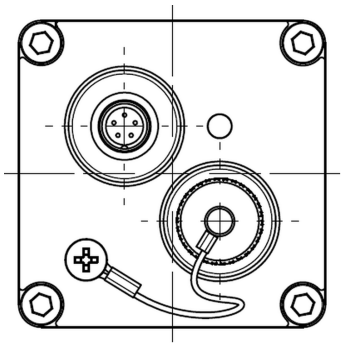
Camera rear view

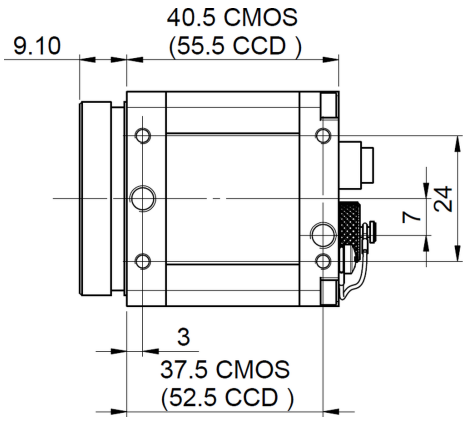
Design

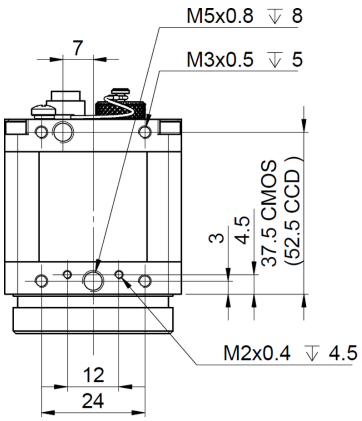
Lens Mount	C-Mount
IP code	IP65/67
Dimensions H/W/L	41.0 mm x 41.0 mm x 40.5 mm
Mass	140 g

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