

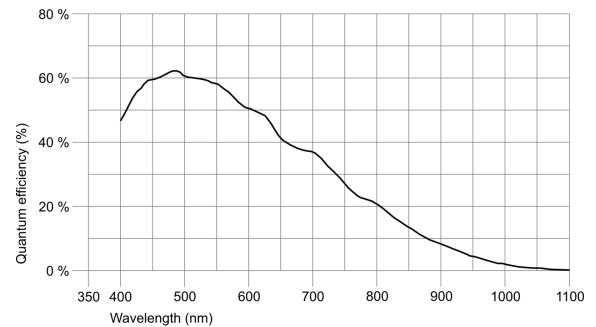
## U3-3480ML-M-GL



## Specification

### Sensor

Sensor type	CMOS Mono
Shutter	Rolling shutter
Sensor characteristic	Linear
Readout mode	Progressive scan
Pixel Class	QSXGA
Resolution	4.92 Mpix
Resolution (h x v)	2560 x 1920 Pixel
Aspect ratio	4:3
ADC	12 bit
Color depth (camera)	12 bit
Sensor Size	1/2"
Optical Size	5.632 mm x 4.224 mm
Optical sensor diagonal	7.04 mm (1/2.27")
Pixel size	2.2 μm
Manufacturer	ON Semiconductor
Sensor Model	MT9P031STM
Gain (master/RGB)	30x/-
AOI horizontal	same frame rate
AOI vertical	increased frame rate
AOI image width / step width	80 / 4
AOI image height / step width	60 / 2
AOI position grid (horizontal/vertical)	2 / 2
Binning horizontal	-
Binning vertical	-
Binning method	-
Binning factor	-
Subsampling horizontal	-
Subsampling vertical	-
Subsampling method	-
Subsampling factor	-



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### Model

Pixel clock range	7 MHz - 86 MHz
Frame rate freerun mode	12.5 fps
Frame rate trigger	-
Exposure time (minimum - maximum)	0.037 ms - 1959 ms
Power consumption	1.4 W - 1.7 W

### Ambient conditions

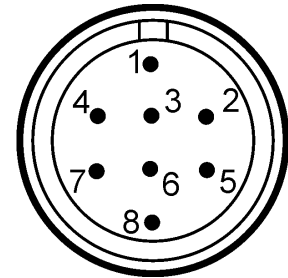
Ambient temperature	0 °C - 40 °C / 32 °F - 104 °F
Storage temperature	-20 °C - 60 °C / -4 °F - 140 °F
Relative humidity	20 % - 80 %

### Connectors

Interface connector	USB 3.0 micro-B, screwable
I/O connector	8-pin Hirose connector (HR25-7TR-8PA(73))
Power supply	USB cable

### Pin assignment I/O connector

1	Ground (GND)
2	Flash output with optocoupler (-)
3	General Purpose I/O (GPIO) 1
4	Trigger input with optocoupler (-)
5	Flash output with optocoupler (+)
6	General Purpose I/O (GPIO) 2
7	Trigger input with optocoupler (+)
8	Output supply voltage, 5 V (100 mA)



### Design

Lens Mount	CS- / C-Mount
IP code	IP30
Dimensions H/W/L	47.0 mm x 46.0 mm x 28.0 mm
Mass	41 g

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