

UI-3040LE-M-GL (AB02649)

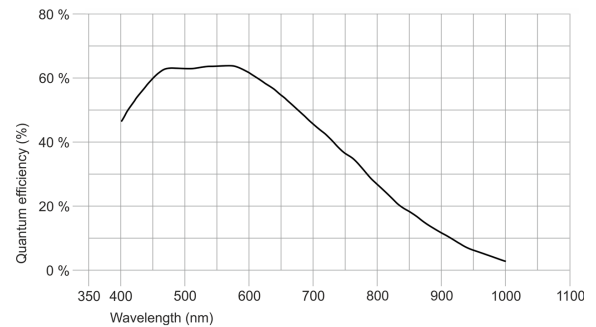


Specification

- PRELIMINARY -

Sensor

Sensor type	CMOS Mono
Shutter	Global Shutter
Sensor characteristic	Linear
Readout mode	Progressive scan
Pixel Class	1.6 MP
Resolution	1.57 Mpix
Resolution (h x v)	1448 x 1086 Pixel
Aspect ratio	4:3
ADC	12 bit
Color depth (camera)	12 bit
Optical sensor class	1/3"
Optical Size	4.995 mm x 3.746 mm
Optical sensor diagonal	6.24 mm (1/2.56")
Pixel size	3.45 µm
Manufacturer	Sony
Sensor Model	IMX273LLR-C
Gain (master/RGB)	24x/4x
AOI horizontal	same frame rate
AOI vertical	increased frame rate
AOI image width / step width	256 / 8
AOI image height / step width	2 / 2
AOI position grid (horizontal/vertical)	4 / 2
Binning horizontal	-
Binning vertical	-
Binning method	-
Binning factor	-
Subsampling horizontal	-
Subsampling vertical	-
Subsampling method	-
Subsampling factor	-



Subject to technical modifications (2019-07-14)



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Model

Pixel clock range	10 MHz - 430 MHz
Frame rate freerun mode	230
Frame rate trigger (continuous)	230
Frame rate trigger (maximum)	230
Exposure time (minimum - maximum)	0.017 ms - 998 ms
Long exposure (maximum)	30000 ms
Power consumption	0.8 W - 1.8 W
Special features	Sensor source gain

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 - 80 °C / -4 °F - 176 °F
Humidity (relative, non-condensing)	20 % - 80 %

Connectors

Interface connector	USB Type-C
I/O connector	-
Power supply	USB cable

Design

Lens Mount	CS- / C-Mount
IP code	IP30
Dimensions H/W/L	47.0 mm x 46.0 mm x 24.2 mm
Mass	37.5 g