

UI-1007XS-C (AB02716)



Specification

Sensor

Sensor type	CMOS Color
Shutter	Rolling shutter
Sensor characteristic	Linear
Readout mode	Progressive scan
Pixel Class	QSXGA
Resolution	5.04 Mpix
Resolution (h x v)	2592 x 1944 Pixel
Aspect ratio	4:3
ADC	10 bit
Color depth (camera)	8 bit
Optical sensor class	1/4"
Optical Size	3.629 mm x 2.722 mm
Optical sensor diagonal	4.54 mm (1/3.53")
Pixel size	1.4 µm
Manufacturer	OmniVision
Sensor Model	OV5640
Gain (master/RGB)	6.6x/-
AOI horizontal	-
AOI vertical	-
AOI image width / step width	- / -
AOI image height / step width	- / -
AOI position grid (horizontal/vertical)	- / -
Binning horizontal	-
Binning vertical	-
Binning method	-
Binning factor	-
Subsampling horizontal	-
Subsampling vertical	-
Subsampling method	-
Subsampling factor	-

Subject to technical modifications (2019-07-08)



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Model

Pixel clock range	9 MHz - 35 MHz
Frame rate freerun mode	15
Frame rate trigger (maximum)	-
Exposure time (minimum - maximum)	0.126 ms - 1170 ms
Power consumption	1 W - 1.1 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 % - 90 %

Connectors

Interface connector	USB 2.0 mini-B
I/O connector	-
Power supply	USB cable

Design

Lens Mount	-
IP code	IP30
Dimensions H/W/L	26.5 mm x 23.0 mm x 21.5 mm
Mass	12 g