

XS



Specification

Sensor

Sensor type	CMOS Color
Shutter	Rolling shutter
Sensor characteristic	Linear
Readout mode	Progressive scan
Pixel Class	QXGA
Resolution	5.04 Mpix
Resolution (h x v)	2592 x 1944 Pixel
Aspect ratio	4:3
ADC	10 bit
Color depth (camera)	8 bit
Sensor Size	1/4"
Optical Size	3.620 mm x 2.720 mm
Optical sensor diagonal	4.53 mm (1/3.53")
Pixel size	1.4 µm
Manufacturer	ON Semiconductor
Sensor Model	MT9P111
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

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Model

Pixel clock range	18 MHz - 35 MHz
Frame rate freerun mode	15.0 fps
Frame rate trigger	-
Exposure time (minimum - maximum)	0.126 ms - 1170 ms
Power consumption	1.9 W - 0 W

Ambient conditions

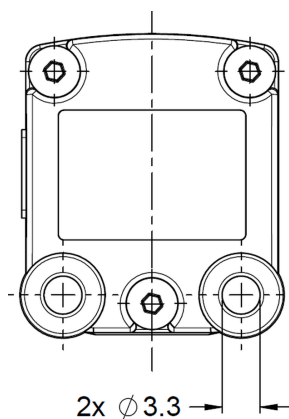
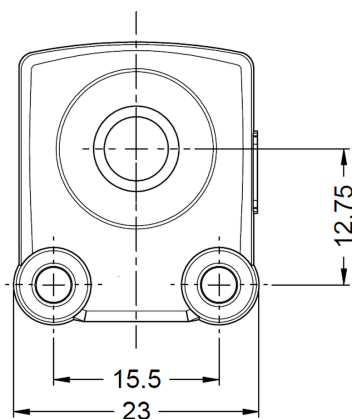
Ambient temperature	10 °C - 40 °C / 50 °F - 104 °F
Storage temperature	-20 °C - 60 °C / -4 °F - 140 °F
Relative humidity	20 % - 90 %

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



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