

In series

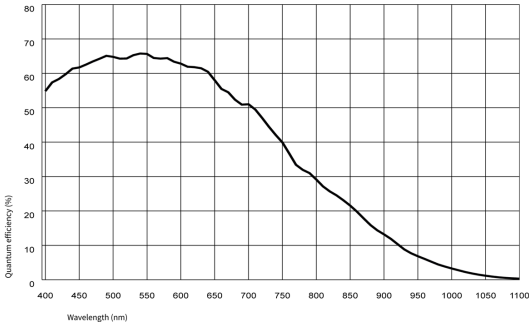
The model is in series and available for the long term.



Specification

Sensor

Sensor type	CMOS Mono
Shutter	Global Shutter
Sensor characteristic	Linear
Readout mode	Progressive scan
Pixel Class	2 MP
Resolution	2.30 Mpix
Resolution (h x v)	1920 x 1200 Pixel
Aspect ratio	16:10
ADC	10 bit
Color depth (camera)	10 bit
Optical sensor class	1/3"
Optical Size	5.760 mm x 3.600 mm
Optical sensor diagonal	6.79 mm (1/2.36")
Pixel size	3 µm
Manufacturer	Onsemi
Sensor Model	AR0234CS-MONO
Gain (master/RGB)	16x/-
AOI horizontal	same frame rate
AOI vertical	increased frame rate
AOI image width / step width	48 / 12
AOI image height / step width	4 / 2
AOI position grid (horizontal/vertical)	4 / 2
Binning horizontal	same frame rate
Binning vertical	increased frame rate
Binning method	-
Binning factor	2
Subsampling horizontal	same frame rate
Subsampling vertical	increased frame rate
Subsampling method	M/C automatic
Subsampling factor	2, 4



Model

Frame rate freerun mode	102
Frame rate trigger (continuous)	72
Frame rate trigger (maximum)	72
Exposure time (minimum - maximum)	0.012 ms - 2000 ms
Power consumption	0.5 W - 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 - 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	S-Mount
IP code	IP30
Dimensions H/W/L	47.0 mm x 46.0 mm x 25.0 mm
Mass	36 g