UV-36L0XC-C (1009247)

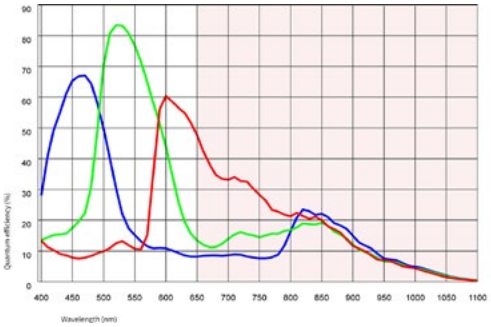
In series
The model is in series and available for the long term.



Specification

Sensor

Sensor type	CMOS Color
Manufacturer	Onsemi
Resolution (h x v)	4200 x 3120 Pixel
Pixel Class	13 MP
Optical sensor class	1/3.2""
Sensor Model	AR1335CSSC32SMD20
Pixel size	1.1 µm
Optical Size	4.620 mm x 3.432 mm)
Optical sensor diagonal	5.76 mm (1/2.78")



Model

Power consumption	1.3 W - 2.1 W

Ambient conditions

The temperature values given below refer to the outer device temperature of the camera housing.

Allowed device temperature during operation	0 °C - 55 °C / 32 °F - 131 °F
Allowed device temperature during storage	-20 °C - 60 °C / -4 °F - 140 °F
Humidity (relative, non-condensing)	20 % - 80 %

Connectors

Interface connector	USB 3.0 micro-B, screwable
I/O connector	-
Power supply	USB cable

Integrated optics

Focal length	3.81 mm ± 3 %
Angle of view (at 600 mm working distance)	Horizontal: 62.2° ± 2° Vertical: 48.2° ± 2° Diagonal: 73.8° ± 2°
Aperture (F)	1:2.2 ± 5 %
Focus range	100 mm ~ infinity

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Design

Interface	USB 3
Lens Mount	-
IP code	IP30
Dimensions H/W/L	60.9 mm x 31.9 mm x 19.0 mm
Mass	42 g
Power supply	USB cable

Streaming modes

Codec	Resolution	Frame rate (fps)
YUV	1920x1080	30
YUV	1600x1200	30
YUV	1280x960	30
YUV	1280x720	30
YUV	1024x768	30
YUV	800x600	30

UVC features

	Minimum	Maximum	Default
Brightness			
Contrast			
Hue			
Saturation			
Sharpness			
Gamma			
Whitebalance			automatic
Gain			automatic
Denoise			
Exposure time			automatic
Frequency			
Autofocus			automatic
Backlight compensation			

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U3-36L0XC-C (AB03281)

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

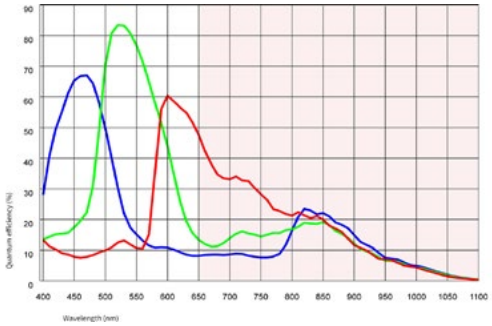




Specification

Sensor

Sensor type	CMOS Color
Shutter	Rolling shutter
Sensor characteristic	Linear
Readout mode	Progressive scan
Pixel Class	13 MP
Resolution	13.10 Mpix
Resolution (h x v)	4200 x 3120 Pixel
Aspect ratio	4:3
ADC	10 bit
Color depth (camera)	8 bit
Optical sensor class	1/3.2""
Optical Size	4.620 mm x 3.432 mm)
Optical sensor diagonal	5.76 mm (1/2.78")
Pixel size	1.1 µm
Manufacturer	Onsemi
Sensor Model	AR1335CSSC32SMD20
Gain (master/RGB)	45.3x/8x
AOI horizontal	same frame rate
AOI vertical	increased frame rate
AOI image width / step width	204 / 12
AOI image height / step width	102 / 2
AOI position grid (horizontal/vertical)	12 / 2
Binning horizontal	-
Binning vertical	-
Binning method	-
Binning factor	-
Subsampling horizontal	-
Subsampling vertical	-
Subsampling method	-
Subsampling factor	-



Integrated optics

Focal length	3.81 mm ± 3 %
Angle of view (at 600 mm working distance)	Horizontal: 62.2° ± 2° Vertical: 48.2° ± 2° Diagonal: 73.8° ± 2°
Aperture (F)	1:2.2 ± 5 %
Focus range	100 mm ~ infinity

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Model

Frame rate freerun mode	20 fps
Frame rate trigger (maximum)	-
Exposure time (minimum - maximum)	0.030 ms - 955 ms
Power consumption	0.9 W - 2.4 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 % - 80 %

Connectors

Interface connector	USB 3.0 micro-B, screwable
I/O connector	-
Power supply	USB cable

Design

Lens Mount	-
IP code	IP30
Dimensions H/W/L	60.9 mm x 31.9 mm x 19.0 mm
Mass	42 g

Features

Image Acquisition	Freerun	✓
	Software trigger	✓
	Hardware trigger	-
	Trigger controlled exposure	-
	Denoiser	-
	Long exposure	-
	Line scan	-
	Line scan highspeed	-
	Global start	-
Flashing	Flashing	-
	PWM flashing	-
Image Adjustments	Auto exposure	✓
	Auto gain	✓
	Auto whitebalance	✓
	Color correction	-
	Gamma	-
	LUT	-
	Mirror/flip	X/Y
On-board Image Processing	Pixel formats	BayerGR8
	Region of interest	✓
	Decimation (FPGA)	-
	Decimation (Sensor)	-
	Binning (FPGA)	-

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Others

Chunks	-
Sequencer	-
Events	-
Firmware update	✓
1st supported firmware version	2.12

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