

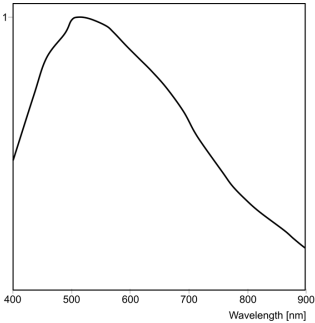
Discontinued
The model has been discontinued.



Specification

Sensor

Sensor type	CCD Mono
Shutter	Global Shutter
Sensor characteristic	Linear
Readout mode	Progressive scan
Pixel Class	5 MP
Resolution	5.01 Mpix
Resolution (h x v)	2448 x 2048 Pixel
Aspect ratio	5:4
ADC	12 bit
Color depth (camera)	12 bit
Optical sensor class	2/3"
Optical Size	8.446 mm x 7.066 mm
Optical sensor diagonal	11.01 mm (1/1.45")
Pixel size	3.45 µm
Manufacturer	Sony
Sensor Model	ICX655ALA
Gain (master/RGB)	12x/-
AOI horizontal	same frame rate
AOI vertical	increased frame rate
AOI image width / step width	16 / 4
AOI image height / step width	256 / 2
AOI position grid (horizontal/vertical)	1 / 1
Binning horizontal	same frame rate
Binning vertical	increased frame rate
Binning method	Mono
Binning factor	2 / 3 / 4
Subsampling horizontal	-
Subsampling vertical	-
Subsampling method	-
Subsampling factor	-



Model

Pixel clock range	10 MHz - 43 MHz
Frame rate freerun mode	6.5 fps
Frame rate trigger (maximum)	6.5 fps
Exposure time (minimum - maximum)	0.038 ms - 1954 ms
Power consumption	1.3 W - 2.4 W
Special features	Overlap trigger

Ambient conditions

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

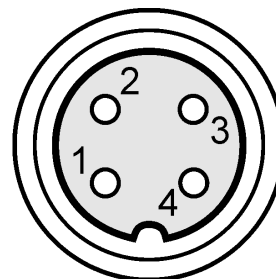
Device temperature during operation	0 °C - 55 °C / 32 °F - 131 °F
Device temperature during storage	-20 °C - 60 °C / -4 °F - 140 °F
Humidity (relative, non-condensing)	0 % - 100 %

Connectors

Interface connector	USB 2.0 mini-B, screwable
I/O connector	4-pin Binder socket (Binder series 712: 09-0412-20-04)
Power supply	USB cable

Pin assignment I/O connector

1	Trigger input with optocoupler (+)
2	Trigger input with optocoupler (-)
3	Flash output with optocoupler (-)
4	Flash output with optocoupler (+)



Camera rear view

Design

Lens Mount	C-Mount
IP code	IP65/67
Dimensions H/W/L	41.0 mm x 41.0 mm x 55.5 mm
Mass	175 g

