

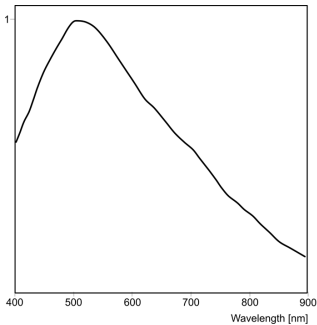
Discontinued
The model has been discontinued.



Specification

Sensor

Sensor type	CCD Mono
Shutter	Global Shutter
Sensor characteristic	Linear
Readout mode	-
Pixel Class	0.8 MP
Resolution	0.79 Mpix
Resolution (h x v)	1024 x 768 Pixel
Aspect ratio	4:3
ADC	12 bit
Color depth (camera)	12 bit
Optical sensor class	1/3"
Optical Size	0.000 mm x 0.000 mm
Optical sensor diagonal	0 mm
Pixel size	4.65 µm
Manufacturer	Sony
Sensor Model	ICX204AL
Gain (master/RGB)	10.5x/-
AOI horizontal	same frame rate
AOI vertical	increased frame rate
AOI image width / step width	16 / 4
AOI image height / step width	120 / 1
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 - 40 MHz
Frame rate freerun mode	40 fps
Frame rate trigger (maximum)	40 fps
Exposure time (minimum - maximum)	0.023 ms - 120000 ms
Power consumption	1.1 W - 1.8 W
Special features	Overlap trigger

Ambient conditions

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

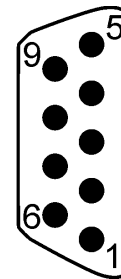
Allowed device temperature during operation	0 °C - 55 °C / 32 °F - 131 °F
Allowed device temperature during storage	-20 °C - 60 °C / -4 °F - 140 °F
Humidity (relative, non-condensing)	20 % - 80 %

Connectors

Interface connector	USB 2.0 mini-B, screwable
I/O connector	9-pin micro D-Sub socket (MPE Garry 11-0021-50-09L)
Power supply	USB cable

Pin assignment I/O connector

1	Flash output with optocoupler (-)
2	Trigger input with optocoupler (+)
3	Shielding
4	USB Power supply (VCC) 5 V
5	USB Ground (GND)
6	Flash output with optocoupler (+)
7	Trigger input with optocoupler (-)
8	USB data (+)
9	USB data (-)



Design

Lens Mount	C-Mount
IP code	IP30
Dimensions H/W/L	34.0 mm x 32.0 mm x 48.3 mm
Mass	79 g
Housing material	Aluminium / stainless steel

Features

List of on-camera image pre-processing features.

All features of the table are available via our IDS peak software for image pre-processing on the host computer (sensor model dependent).

Image Acquisition	Freerun	✓
	Software trigger	-
	Hardware trigger	✓
	Trigger controlled exposure	-
	Denoiser	-
	Long exposure	-
	Line scan	-

Flashing	Flashing	-
	PWM flashing	-

Subject to technical modifications (2025-06-09)



Image Adjustments	Auto exposure	-
	Auto gain	-
	Auto whitebalance	-
	Color correction	-
	Gamma	-
	LUT	-
	Mirror/flip	-
On-board Image Processing	Pixel formats	
	Region of interest	✓
	Decimation (FPGA)	-
	Decimation (Sensor)	
	Binning (FPGA)	-
Others	Chunks	-
	Sequencer	-
	Firmware update	-
	1st supported firmware version	4.20