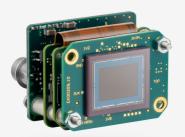


UI-5292SE-M Rev.4.2 (AB12269)

In series

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









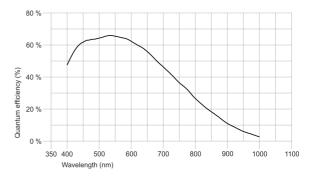


uEye industrial cameras now also work with IDS peak! We recommend the Software Development Kit for the implementation of new projects. <u>Learn about the process here and switch now.</u>
Please note: The technical data given here was measured using the IDS Software Suite.

Specification

Sensor

Shutter Global Shutter Sensor characteristic Linear Readout mode Progressive scan Pixel Class 9 MP Resolution 8.92 Mpix Resolution (h x v) 4104 x 2174 Pixel Aspect ratio 17:9 ADC 12 bit Color depth (camera) 12 bit Optical sensor class 1" Optical Size 14.158 mm x 7.500 mm Optical sensor diagonal 16.02 mm Pixel size 3.45 µm Micro lens shift 0.00 Manufacturer Sony Sensor Model IMX267LLR-C Gain (master/RGB) 24x/4x AOI horizontal same frame rate AOI writcal AOI image width / step width 2.56 / 8 AOI mage height / step width 2.72 Binning horizontal increased frame rate Binning vertical increased frame rate Binning vertical increased frame rate Binning method Mono Binning factor 2 Subsampling horizontal same frame rate Subsampling method M/C automatic Subsampling method M/C automatic Subsampling factor 2, 4, 6, 8, 16	Sensor type	CMOS Mono
Readout mode Progressive scan Pixel Class 9 MP Resolution 8.92 Mpix Resolution (h x v) 4104 x 2174 Pixel Aspect ratio 17:9 ADC 12 bit Color depth (camera) 12 bit Optical sensor class 1" Optical Size 14.158 mm x 7.500 mm Optical sensor diagonal 16.02 mm Pixel size 3.45 µm Micro lens shift 0.00 Manufacturer Sony Sensor Model IMX267LLR-C Gain (master/RGB) 24x/4x AOI horizontal same frame rate AOI vertical increased frame rate AOI writical increased frame rate AOI image width / step width 2 / 2 AOI position grid (horizontal/vertical) 4 / 2 Binning horizontal increased frame rate Binning vertical increased frame rate Binning vertical increased frame rate Binning method Mono Binning factor 2 Subsampling horizontal same frame rate Subsampling horizontal increased frame rate Subsampling horizontal same frame rate Subsampling horizontal increased frame rate	Shutter	Global Shutter
Pixel Class 9 MP Resolution 8.92 Mpix Resolution (h x v) 4104 x 2174 Pixel Aspect ratio 17:9 ADC 12 bit Color depth (camera) 12 bit Optical sensor class 1" Optical Size 14.158 mm x 7.500 mm Optical sensor diagonal 16.02 mm Pixel size 3.45 µm Micro lens shift 0.00 Manufacturer Sony Sensor Model IMX267LLR-C Gain (master/RGB) 24x/4x AOI horizontal same frame rate AOI vertical increased frame rate AOI image width / step width 2 / 2 AOI position grid (horizontal/vertical) 4 / 2 Binning horizontal increased frame rate Binning vertical increased frame rate Binning vertical increased frame rate Binning method Mono Binning factor 2 Subsampling horizontal same frame rate Subsampling method M/C automatic	Sensor characteristic	Linear
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Resolution (h x v) Aspect ratio ADC 12 bit Color depth (camera) Optical sensor class 1" Optical Size 14.158 mm x 7.500 mm Optical sensor diagonal Pixel size 3.45 µm Micro lens shift 0.00 Manufacturer Sony Sensor Model IMX267LLR-C Gain (master/RGB) AOI horizontal AOI vertical AOI writical AOI image height / step width 2 / 2 AOI position grid (horizontal/vertical) Binning horizontal Binning wertical Binning factor 2 Subsampling horizontal same frame rate increased frame rate Bubsampling vertical same frame rate Subsampling method M/C automatic	Pixel Class	9 MP
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AOI position grid (horizontal/vertical) Binning horizontal increased frame rate Binning vertical increased frame rate Binning method Mono Binning factor 2 Subsampling horizontal same frame rate Subsampling vertical increased frame rate Subsampling method M/C automatic	AOI image width / step width	256 / 8
Binning horizontal increased frame rate Binning vertical increased frame rate Binning method Mono Binning factor 2 Subsampling horizontal same frame rate Subsampling vertical increased frame rate Subsampling method M/C automatic	AOI image height / step width	2/2
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Subsampling vertical increased frame rate Subsampling method M/C automatic	Binning factor	2
Subsampling method M/C automatic	Subsampling horizontal	same frame rate
, ,	Subsampling vertical	increased frame rate
Subsampling factor 2, 4, 6, 8, 16	Subsampling method	M/C automatic
	Subsampling factor	2, 4, 6, 8, 16



Subject to technical modifications (2024-05-02)



UI-5292SE-M Rev.4.2 (AB12269)

Model

Pixel clock range	99 MHz - 140 MHz
Frame rate freerun mode (in 8-bit mode)	12 fps
Frame rate trigger (continuous)	12 fps
Frame rate trigger (maximum)	12 fps
Exposure time (minimum - maximum)	0.047 ms - 1000 ms
Long exposure (maximum)	30000 ms
Power consumption	1.7 W - 3.1 W
Image memory	128 MB
Special features	IDS line scan mode Overlap trigger Sensor source gain

Ambient conditions

The temperature values given below refer to the outer device temperature of the camera housing. For PCB versions, refer to the separate hints in the respective documentation.

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	GigE RJ45
I/O connector	8-pin Hirose connector (HR25-7TR-8PA(73))
Power supply	12 V - 24 V or PoE

Pin assignment I/O connector

1	Ground (GND)
2	Flash output with optocoupler (-)
3	General Purpose I/O (GPIO) 1
4	Trigger input with optocoupler (-)
5	Flash output with optocoupler (+)
6	General Purpose I/O (GPIO) 2
7	Trigger input with optocoupler (+)
8	Input power supply (VCC) 12-24 V DC



Design

Lens Mount	-
IP code	-
Dimensions H/W/L	31.5 mm x 40.0 mm x 30.0 mm
Mass	38 g