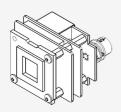


UI-5242SE-M Rev.2 (AB00028)

In series

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







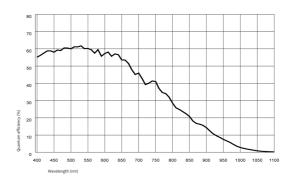


uEye industrial cameras now also work with IDS peak! We recommend the Software Development Kit for the implementation of new projects. <u>Learn about the process here and switch now.</u>
Please note: The technical data given here was measured using the IDS Software Suite.

Specification

Sensor

Shutter Global Shutter / Rolling shutter / Global Start Shutter Sensor characteristic Linear Readout mode Progressive scan Pixel Class 1.3 MP Resolution 1.31 Mpix Resolution (h x v) 1280 x 1024 Pixel Aspect ratio 5:4 ADC 10 bit Color depth (camera) 12 bit Optical sensor class 1/1.8"" Optical Size 6.784 mm x 5.427 mm Optical sensor diagonal 8.69 mm (1/1.84") Pixel size 5.3 µm Manufacturer e2v Sensor Model EV76C560ABT Gain (master/RGB) 4x/- AOI horizontal same frame rate AOI vertical increased frame rate AOI vertical increased frame rate AOI mage height / step width 4 / 2 AOI position grid (horizontal/vertical) 2 / 2 Binning horizontal same frame rate Binning vertical same frame rate Binning method M/C automatic Binning factor 2 Subsampling horizontal Subsampling method - Subsampling method - Subsampling method Subsampling factor -	Sensor type	CMOS Mono
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Binning vertical same frame rate Binning method M/C automatic Binning factor 2 Subsampling horizontal - Subsampling vertical - Subsampling method -	AOI position grid (horizontal/vertical)	2/2
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Subsampling vertical - Subsampling method -	Binning factor	2
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	Subsampling vertical	-
Subsampling factor -	Subsampling method	-
- Cabeampining ractor	Subsampling factor	-



Subject to technical modifications (2024-04-27)



UI-5242SE-M Rev.2 (AB00028)

Model

Pixel clock range	7 MHz - 71 MHz
Frame rate freerun mode	50
Frame rate trigger (maximum)	48
Exposure time (minimum - maximum)	0.009 ms - 2000 ms
Power consumption	2.2 W - 2.9 W
Image memory	60 MB
Special features	Linescan mode, IDS line scan mode, Scaler, Sequencer, Log mode, Sensor hot pixel correction, Fine exposure, Multi-AOI

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, screwable
I/O connector	6-pin Hirose connector (HR10A-7R-6PB)
Power supply	12 V - 24 V

Pin assignment I/O connector

1	Ground (GND)
2	Power supply (VCC)
3	Trigger input with optocoupler (-)
4	Trigger input with optocoupler (+)
5	Flash output with optocoupler (+)
6	Flash output with optocoupler (-)



Design

Page 2 of 2

Lens Mount	-
IP code	-
Dimensions H/W/L	30.0 mm x 40.0 mm x 38.0 mm
Mass	64 g

Subject to technical modifications (2024-04-27)