

UI-5250SE-M-GL Rev.2 (AB00254)

In series

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

















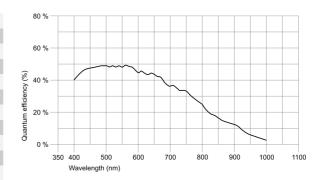


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Please note: The technical data given here was measured using the IDS Software Suite.

Specification

Sensor

Shutter Global Shutter / Rolling shutter / Global Start Shutter Sensor characteristic Linear Readout mode Progressive scan Pixel Class 1.9 MP Resolution 1.92 Mpix Resolution (h x v) 1600 x 1200 Pixel Aspect ratio 4:3 ADC 10 bit Color depth (camera) 12 bit Optical sensor class 1/1.8"" Optical Size 7.200 mm x 5.400 mm Optical sensor diagonal 9 mm (1/1.78") Pixel size 4.5 µm Manufacturer e2v Sensor Model EV76C570ABT Gain (master/RGB) 4x/- AOI horizontal same frame rate AOI vertical increased frame rate AOI image width / step width 16 / 4 AOI image height / step width 4 / 2 Binning horizontal same frame rate Binning vertical same frame rate Binning method M/C automatic	Sensor type	CMOS Mono
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·	Binning vertical	same frame rate
	Binning method	M/C automatic
Binning factor 2	Binning factor	2
Subsampling horizontal -	Subsampling horizontal	-
Subsampling vertical -	Subsampling vertical	-
Subsampling method -	Subsampling method	-
Subsampling factor -	Subsampling factor	-



Subject to technical modifications (2024-04-20)



UI-5250SE-M-GL Rev.2 (AB00254)

Model

Pixel clock range	10 MHz - 72 MHz
Frame rate freerun mode	35
Frame rate trigger (maximum)	34
Exposure time (minimum - maximum)	0.020 ms - 10000 ms
Long exposure (maximum)	10000 ms
Power consumption	2.2 W - 2.9 W
Image memory	60 MB
Special features	Linescan 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.

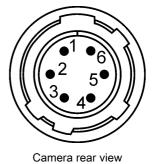
Device temperature during operation	0 °C - 55 °C / 32 °F - 131 °F
Device temperature during storage	-20 °C - 60 °C / -4 °F - 140 °F
Humidity (relative, non-condensing)	20 % - 80 %

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

	O .	
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

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Lens Mount	C-Mount
IP code	IP30
Dimensions H/W/L	34.0 mm x 44.0 mm x 49.8 mm
Mass	102 g

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