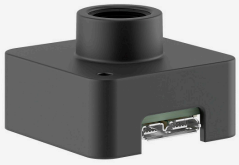
UE-39B1XLS-E (1011974)

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



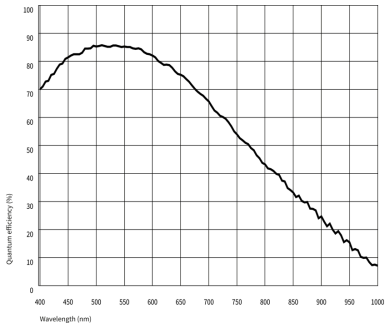




Specification

Sensor

Sensor type	CMOS Mono
Shutter	Event-based
Sensor characteristic	Logarithmic
Pixel Class	0.9 MP
Resolution	0.92 Mpix
Resolution (h x v)	1280 x 720 Pixel
Aspect ratio	16:9
Optical sensor class	1/2.5"
Optical Size	6.221 mm x 3.499 mm
Optical sensor diagonal	7.14 mm 1/2.5"
Pixel size	4.86 µm
CRA (Chief Ray Angle)	0 °
Manufacturer	Sony
Sensor Model	IMX636-AAMR-C
AOI image width / step width	- / -
AOI image height / step width	- / -
AOI position grid (horizontal/vertical)	- / -



Model

Latency	1000 µs @ 5 lux 100 µs @ 1000 lux
Dynamic range	86 db (5 lux - 10000 lux) 120 db (0.080 lux - 100000 lux)
Power consumption	0.6 W - 3.4 W

Ambient conditions

For PCB versions, refer to the separate hints in the respective documentation.

Allowed device temperature during operation	0 °C - 70 °C / 32 °F - 158 °F
Allowed ambient temperature during operation	0 °C - 35 °C / 32 °F - 95 °F
Allowed ambient temperature during storage	-20 °C - 80 °C / -4 °F - 176 °F
Humidity (relative, non-condensing)	20 % - 80 %

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Connectors

Interface connector	USB 3.0 micro-B
I/O connector	8-pin connector
Power supply	USB cable

Pin assignment I/O connector

1	Voltage output 1.8 V, max. 50 mA
2	Ground (GND)
3	TDRSTN (sensor), 1.8 V
4	Trigger input (sensor), 1.8 V
5	SYNC (sensor), 1.8 V
6	-
7	Ground (GND)
8	USB Power: 5 V, max. 400 mA



Design

Lens Mount	S-Mount
IP code	-
Dimensions H/W/L	32.5 mm x 32.5 mm x 14.0 mm
Mass	10 g
Housing material	-

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