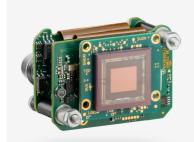


UI-3372SE-C (AB02630)

Discontinued

The model has been discontinued.











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 4 MP Resolution 4.19 Mpix Resolution (h x v) 2048 x 2048 Pixel Aspect ratio 1:1 ADC 12 bit Color depth (camera) 12 bit Optical sensor class 1"" Optical Size 11.264 mm x 11.264 mm Optical sensor diagonal 15.93 mm (1/1") Pixel size 5.5 µm Manufacturer ams/CMOSIS Sensor Model CMV4000-3E5C Gain (master/RGB) 4x/4x AOI horizontal same frame rate AOI vertical increased frame rate AOI image width / step width 16 / 4 AOI position grid (horizontal/vertical) 2 / 2 Binning horizontal
Readout mode Pixel Class 4 MP Resolution 4.19 Mpix Resolution (h x v) 2048 x 2048 Pixel Aspect ratio 1:1 ADC 12 bit Color depth (camera) 12 bit Optical sensor class 1"" Optical Size 11.264 mm x 11.264 mm Optical sensor diagonal 15.93 mm (1/1") Pixel size 5.5 µm Manufacturer Manufacturer ams/CMOSIS Sensor Model CMV4000-3E5C Gain (master/RGB) 4x/4x AOI horizontal AOI vertical increased frame rate AOI image width / step width AOI image height / step width 2 / 2 AOI position grid (horizontal/vertical) 2 / 2
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AOI position grid (horizontal/vertical) 2 / 2
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Binning horizontal -
Binning vertical -
Binning method -
Binning factor -
Subsampling horizontal same frame rate
Subsampling vertical same frame rate
Subsampling method M/C automatic
Subsampling factor 2, 4, 6, 8, 16



Subject to technical modifications (2024-04-26)



UI-3372SE-C (AB02630)

Model

Pixel clock range	38 MHz - 344 MHz
Frame rate freerun mode	80
Frame rate trigger (continuous)	80
Frame rate trigger (maximum)	80
Exposure time (minimum - maximum)	0.038 ms - 500 ms
Power consumption	1.8 W - 3.1 W
Image memory	128 MB
Special features	IDS line scan mode, Overlap trigger, Dual exposure, Sensor source gain, 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	USB Type-C
I/O connector	8-pin Hirose connector (HR25-7TR-8PA(73))
Power supply	USB cable

Pin assignment I/O connector

i iii deeigiiiieii ii e eeiiileetei	
1	Ground (GND)
2	Flash output with optocoupler (-)
3	General Purpose I/O (GPIO) 1, 3.3 V
4	Trigger input with optocoupler (-)
5	Flash output with optocoupler (+)
6	General Purpose I/O (GPIO) 2, 3.3 V
7	Trigger input with optocoupler (+)
8	Voltage output (USB Power Delivery), 5-15 V



Camera rear view

Design

Page 2 of 2

2 00.g	
Lens Mount	-
IP code	-
Dimensions H/W/L	29.5 mm x 40.0 mm x 25.0 mm
Mass	21 a

Subject to technical modifications (2024-04-26)