UI-1250ML-C-HQ (AB00330)

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



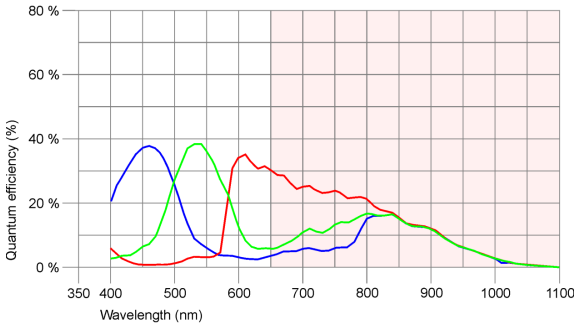


uEye industrial cameras now also work with IDS peak! We recommend the Software Development Kit for the implementation of new projects. Learn about the process here and switch now.
Please note: The technical data given here was measured using the IDS Software Suite.

Specification

Sensor

Sensor type	CMOS Color
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)	8 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	EV76C570ACT
Gain (master/RGB)	4x/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
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 vertical	-
Subsampling method	-
Subsampling factor	-



Subject to technical modifications (2024-03-29)

ABBAS, a.s.
Edisonova 5 · 612 00 Brno · Phone +420 541/240-956 · Fax +420 541/240-955 · E-Mail info@analyza-obrazu.cz

Model

Pixel clock range	10 MHz - 35 MHz
Frame rate freerun mode	17
Frame rate trigger (maximum)	17
Exposure time (minimum - maximum)	0.020 ms - 10000 ms
Long exposure (maximum)	10000 ms
Power consumption	0.3 W - 0.7 W
Special features	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.

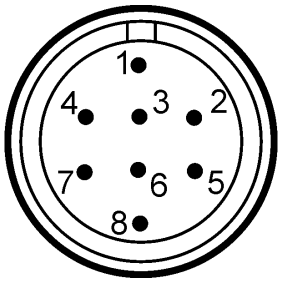
Device temperature during operation	0 °C - 55 °C / 32 °F - 131 °F
Device temperature during storage	-20 °C - 60 °C / -4 °F - 140 °F
Humidity (relative, non-condensing)	20 % - 80 %

Connectors

Interface connector	USB 2.0 mini-B, screwable
I/O connector	8-pin Hirose connector (HR25-7TR-8PA(73))
Power supply	USB cable

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	not connected

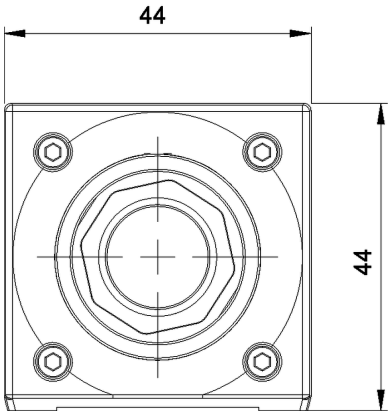


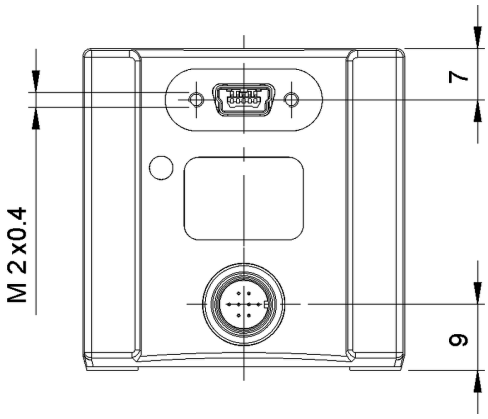
Camera rear view

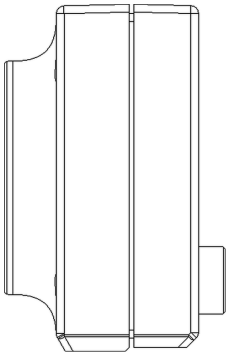
Design

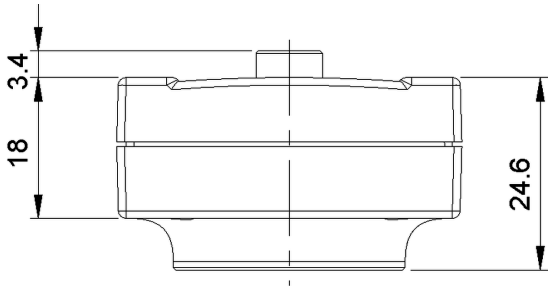
Lens Mount	CS- / C-Mount
IP code	IP30
Dimensions H/W/L	44.0 mm x 44.0 mm x 28.0 mm
Mass	37 g

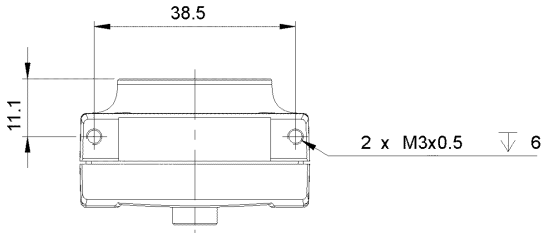
ABBAS, a.s.
Edisonova 5 · 612 00 Brno · Phone +420 541/240-956 · Fax +420 541/240-955 · E-Mail info@analyza-obrazu.cz











ABBAS, a.s.
Edisonova 5 · 612 00 Brno · Phone +420 541/240-956 · Fax +420 541/240-955 · E-Mail info@analyza-obrazu.cz