UI-5120RE-M-GL Rev.2 (AB.0010.1.51002.23)

Discontinued
The model has been discontinued.

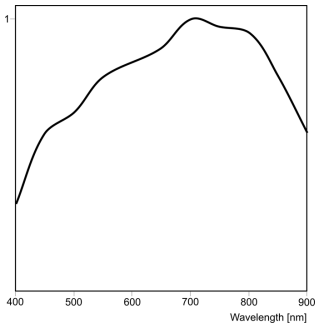




Specification

Sensor

Sensor type	CMOS Mono
Shutter	Rolling shutter
Sensor characteristic	Logarithmic
Readout mode	Progressive scan
Pixel Class	0.4 MP
Resolution	0.44 Mpix
Resolution (h x v)	768 x 576 Pixel
Aspect ratio	4:3
ADC	12 bit
Color depth (camera)	12 bit
Optical sensor class	1/1.8""
Optical Size	7.680 mm x 5.760 mm
Optical sensor diagonal	9.6 mm (1/1.67")
Pixel size	10 µm
Manufacturer	NIT
Sensor Model	NSC0806M
Gain (master/RGB)	-/-
AOI horizontal	-
AOI vertical	-
AOI image width / step width	0 / 0
AOI image height / step width	0 / 0
AOI position grid (horizontal/vertical)	0 / 0
Binning horizontal	-
Binning vertical	-
Binning method	-
Binning factor	-
Subsampling horizontal	-
Subsampling vertical	-
Subsampling method	-
Subsampling factor	-



IDS Imaging Development Systems GmbH
Dimbacher Str. 10 · 74182 Obersulm · Germany · Phone +49 7134 96196-0 · E-mail info@ids-imaging.com

Model

Pixel clock range	5 MHz - 31 MHz
Frame rate freerun mode	50
Frame rate trigger (maximum)	48
Exposure time (minimum - maximum)	-
Power consumption	3 W - 3.9 W
Image memory	60 MB

Ambient conditions

The temperature values given below refer to the outer device temperature of the camera housing.

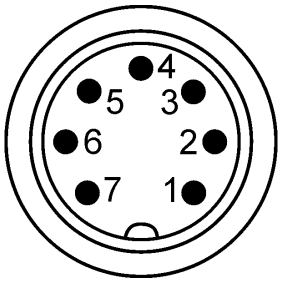
Device temperature during operation	0 °C - 55 °C / 32 °F - 131 °F
Device temperature during storage	-20 °C - 60 °C / -4 °F - 140 °F
Humidity (relative, non-condensing)	0 % - 100 %

Connectors

Interface connector	GigE RJ45, screwable
I/O connector	7-pin Binder connector (Binder series 712: 09-0423-020-07)
Power supply	12 V - 24 V

Pin assignment I/O connector

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

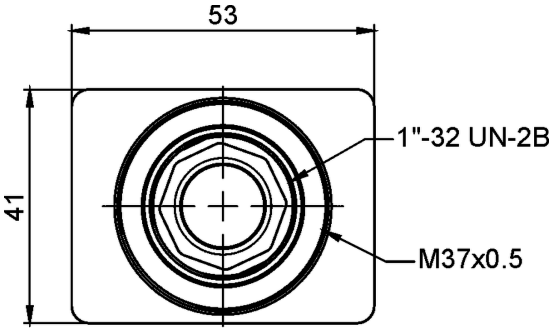


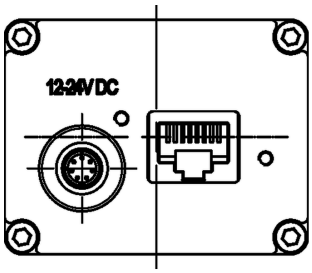
Camera rear view

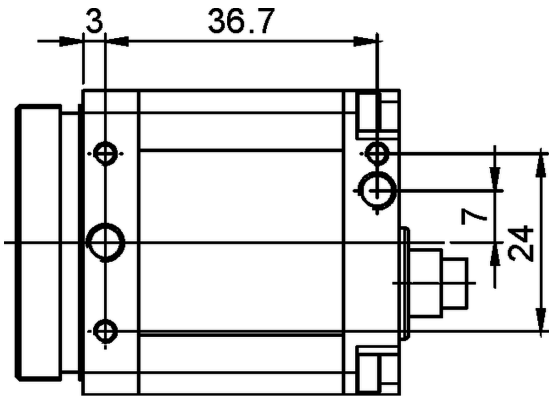
Design

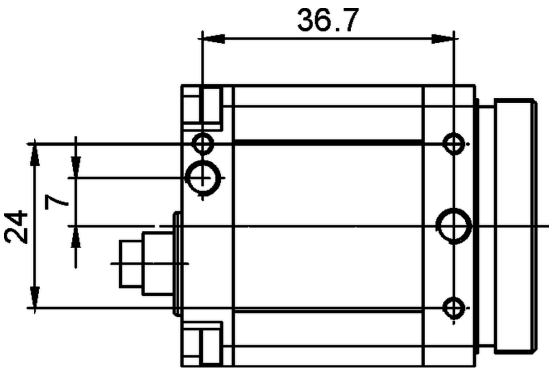
Lens Mount	C-Mount
IP code	IP65/67
Dimensions H/W/L	41.0 mm x 53.0 mm x 42.7 mm
Mass	175 g

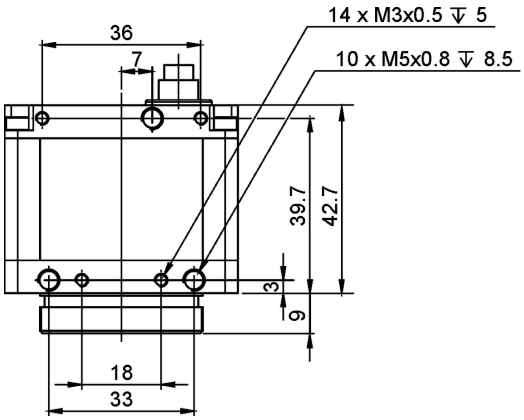
IDS Imaging Development Systems GmbH
Dimbacher Str. 10 · 74182 Obersulm · Germany · Phone +49 7134 96196-0 · E-mail info@ids-imaging.com

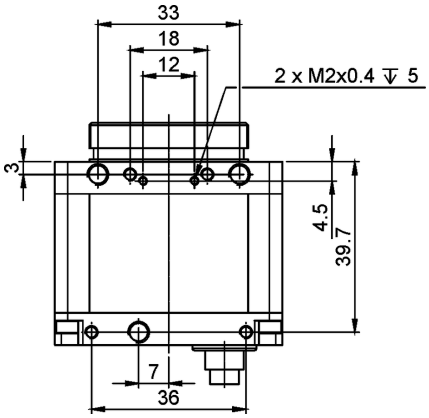












IDS Imaging Development Systems GmbH
Dimbacher Str. 10 · 74182 Obersulm · Germany · Phone +49 7134 96196-0 · E-mail info@ids-imaging.com