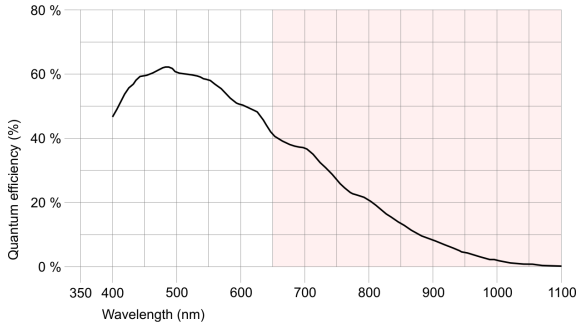
UI-5480HE-M-HQ (AB.0010.1.34100.00)

Discontinued
The model has been discontinued.

Specification

Sensor

Sensor type	CMOS Mono
Shutter	Rolling shutter / Global Start Shutter
Sensor characteristic	Linear
Readout mode	Progressive scan
Pixel Class	5 MP
Resolution	4.92 Mpix
Resolution (h x v)	2560 x 1920 Pixel
Aspect ratio	4:3
ADC	12 bit
Color depth (camera)	12 bit
Optical sensor class	1/2.5""
Optical Size	5.632 mm x 4.224 mm
Optical sensor diagonal	7.04 mm (1/2.27")
Pixel size	2.2 µm
Manufacturer	Onsemi
Sensor Model	MT9P031STM
Gain (master/RGB)	30x/-
AOI horizontal	increased frame rate
AOI vertical	increased frame rate
AOI image width / step width	32 / 4
AOI image height / step width	4 / 2
AOI position grid (horizontal/vertical)	4 / 2
Binning horizontal	increased frame rate
Binning vertical	increased frame rate
Binning method	Color
Binning factor	2 / 3 / 4 / 6
Subsampling horizontal	increased frame rate
Subsampling vertical	increased frame rate
Subsampling method	Color
Subsampling factor	2, 3, 4, 5, 6



Model

Pixel clock range	4 MHz - 103 MHz
Frame rate freerun mode	15
Frame rate trigger (maximum)	15
Exposure time (minimum - maximum)	0.031 ms - 3404 ms
Power consumption	3 W - 4.4 W
Image memory	64 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)	20 % - 80 %

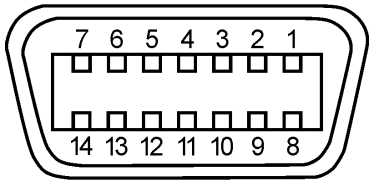
IDS Imaging Development Systems GmbH
Dimbacher Str. 10 · 74182 Obersulm · Germany · Phone +49 7134 96196-0 · E-mail info@ids-imaging.com

Connectors

Interface connector	GigE RJ45, screwable
I/O connector	14-pin MDR14 connector (3M N10214-5213PC)
Power supply	12 V - 24 V

Pin assignment I/O connector

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 (+)
7	Ground (GND)
8	Ground (GND)
9	Power supply (VCC)
10	General Purpose I/O (GPIO) 1 (not potential-free)
11	General Purpose I/O (GPIO) 2 (not potential-free)
12	RS232 RxD (not potential-free)
13	RS232 TxD (not potential-free)
14	Ground (GND)

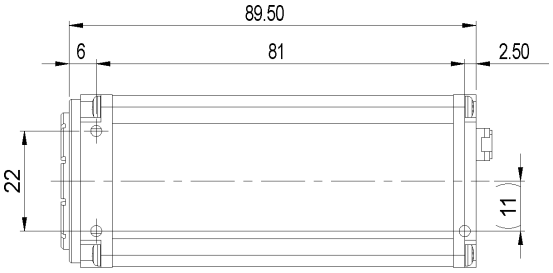


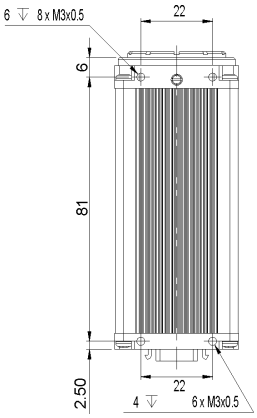
Camera rear view

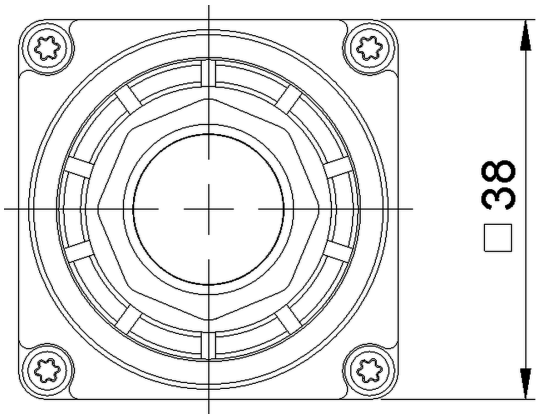
Design

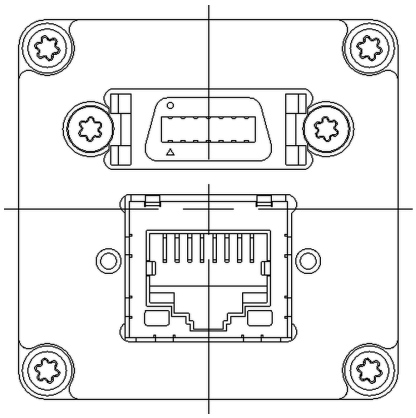
Lens Mount	C-Mount
IP code	IP30
Dimensions H/W/L	38.0 mm x 38.0 mm x 89.5 mm
Mass	165 g

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