

## UI-1492LE-C (AB.0010.1.45600.00)

In series

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











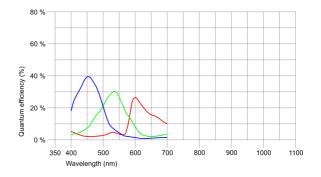


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### Specification

#### Sensor

Shutter Rolling shutter  Sensor characteristic Linear  Readout mode Progressive scan  Pixel Class 10 MP  Resolution 10.55 Mpix  Resolution (h x v) 3840 x 2748 Pixel  Aspect ratio 4:3  ADC 12 bit  Color depth (camera) 8 bit  Optical sensor class 1/2"  Optical Size 6.413 mm x 4.589 mm  Optical sensor diagonal 7.89 mm (1/2.03")  Pixel size 1.67 µm  Micro lens shift 0.00  Manufacturer Onsemi  Sensor Model MT9J003STC  Gain (master/RGB) 8.5x/5.3x  AOI horizontal increased frame rate  AOI image width / step width 448 / 4  AOI image height / step width 4/2  Binning horizontal increased frame rate  Binning vertical increased frame rate  Binning wethod Color  Binning factor 2 / 4  Subsampling horizontal increased frame rate  Subsampling method Color  Subsampling method Color  Subsampling method Color  Subsampling factor 2, 4	Sensor type	CMOS Color
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	Subsampling factor	2, 4



Subject to technical modifications (2024-05-02)



# UI-1492LE-C (AB.0010.1.45600.00)

### Model

Pixel clock range	5 MHz - 36 MHz
Frame rate freerun mode (in 8-bit mode)	3.2 fps
Frame rate trigger (maximum)	3.2 fps
Exposure time (minimum - maximum)	0.340 ms - 14582 ms
Power consumption	0.5 W - 1.3 W

#### 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.

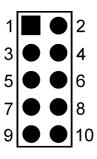
Device temperature during operation	0 °C - 55 °C / 32 °F - 131 °F
Device temperature during storage	-20 °C - 60 °C / -4 °F - 140 °F
Humidity (relative, non-condensing)	20 % - 80 %

#### Connectors

Interface connector	USB 2.0 mini-B
I/O connector	10-pin plated-through holes
Power supply	USB cable

## Pin assignment I/O connector

1	USB Power supply (VCC) 5 V
2	USB Ground (GND)
3	Trigger input without optocoupler (+)
4	Flash output without optocoupler (+)
5	Power supply (internal voltage transformer), 3.3 V or 3.0 V (sensor-dependent)
6	USB Ground (GND)
7	General Purpose I/O (GPIO) 1
8	General Purpose I/O (GPIO) 2
9	I2C bus clock signal
10	I2C bus data signal



## Design

0	
Lens Mount	-
IP code	-
Dimensions H/W/L	36.0 mm x 36.0 mm x 5.7 mm
Mass	12 g