

## USB UI-1220RE

The UI-1220RE is a USB 2.0 camera with Aptina CMOS sensor in Wide VGA resolution (752x480 pixels). Its extremely rugged housing meets the IP65 / IP67 protection classes when used together with an optional lens tube. The digital I/Os for trigger and flash control (opto-coupled, up to 30 V) as well as the USB port are interfaced with splash water proof connectors.



## Specification

### The characteristics at a glance

Interface	USB
Lens Mount	C-Mount
Sensor Technology	CMOS (Aptina)
Model Description (color)	UI-1220RE-C
Model Description (mono)	UI-1220RE-M
Resolution (h x v)	752 x 480
Resolution Depth	8bit (10bit ADC)
Resolution Category / Pixel Class	Wide VGA
Sensor Size	1/3"
Shutter	Global
max. fps in Freerun Mode	87 fps
Exposure Time in Freerun Mode	80µs-5.5s
Exposure Time in Trigger Mode	80µs-5,5s
AOI Modes	horizontal + vertical
Binning Modes	horizontal + vertical
Subsampling Modes	---
I/O - Strobe	1
I/O - Trigger	1
I/O - RS-232	-
I/O - GPIO	-
I/O - I2C	-
HDR (High Dynamic Range)	-
Sensor Model (m/c)	MT9V032STM / MT9V032STC
Pixelpitch in µm	6.00
Optical Size	4.512 x 2.880 mm
Protection Classes	IP65/67
Dimensions H/W/L	41.00 mm, 41.00 mm, 40.50 mm
Mass	145.00 g
Power Supply	USB

