

USB 2 UI-1580RE-C

The UI-1580RE-C is a USB 2.0 camera with Aptina CMOS sensor in 5 Megapixel resolution (2560x1920 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 2 |
| Lens Mount | C-Mount |
| Sensor Technology | CMOS (Aptina) |
| Model Description (color) | UI-1580RE-C |
| Model Description (mono) | --- |
| Resolution (h x v) | 2560 x 1920 |
| Resolution Depth | 8bit (12bit ADC) |
| Resolution Category / Pixel Class | 5 Megapixel |
| Sensor Size | 1/2" |
| Shutter | Rolling Shutter + Global Start |
| max. fps in Freerun Mode | 6 fps |
| Exposure Time in Freerun Mode | 75µs - 2745ms |
| Exposure Time in Trigger Mode | 75µs - 2745ms |
| AOI Modes | horizontal + vertical |
| Binning Modes | horizontal + vertical |
| Subsampling Modes | horizontal + vertical |
| 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) | - / MT9P006STC |
| Pixelpitch in µm | 2.20 |
| Optical Size | 5.632 x 4.224 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 |

