

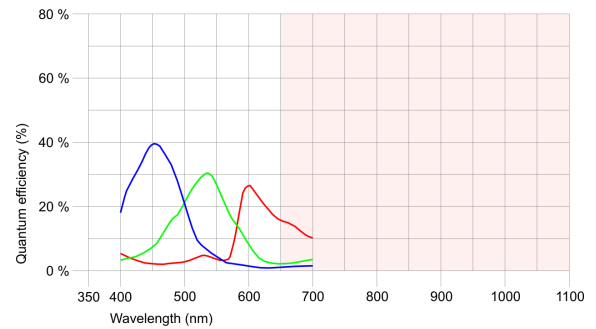
UI-1490RE-C-HQ



Specification

Sensor

| | |
|--------------------------|---------------------|
| Sensor Technology | CMOS Color |
| Manufacturer | Aptina |
| Resolution (MPix) | 10.55 |
| Resolution (h x v) | 3840 x 2748 |
| ADC | 12 bit |
| Color depth (camera) | 8 bit |
| Pixel Class | UHD+ |
| Sensor Size | 1/2 |
| Shutter | Rolling shutter |
| max. fps in Freerun Mode | 3.2 |
| Binning Modes | Color |
| Subsampling Modes | Color |
| Sensor Model | MT9J003STC |
| Pixel size | 1.67 μm |
| Optical Size | 6.413 mm x 4.589 mm |
| Optical sensor diagonal | 7.89 mm (1/2.03") |



Design

| | |
|----------------------|-----------------------------|
| Interface | USB 2 |
| Lens Mount | C-Mount |
| I/O In | 1 x optodecoupled |
| I/O Out | 1 x optodecoupled |
| I/O RS-232 | - |
| I/O GPIO | - |
| I/O I ² C | - |
| IP code | IP65/67 |
| Dimensions H/W/L | 41.0 mm x 41.0 mm x 40.5 mm |
| Mass | 140 g |
| Power supply | USB Cable |

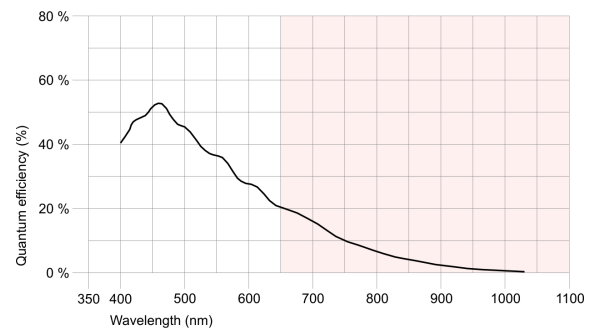
UI-1490RE-M-GL



Specification

Sensor

| | |
|--------------------------|---------------------|
| Sensor Technology | CMOS Mono |
| Manufacturer | Aptina |
| Resolution (h x v) | 3840 x 2748 |
| Color depth (sensor) | 12 bit |
| Color depth (camera) | 8 bit |
| Pixel Class | 10 MP |
| Sensor Size | 1/2" |
| Shutter | Rolling shutter |
| max. fps in Freerun Mode | 3.2 |
| Binning Modes | Color |
| Subsampling Modes | Color |
| Sensor Model | MT9J003STM |
| Pixel size | 1.67 μm |
| Optical Size | 6.413 mm x 4.589 mm |



Design

| | |
|------------------|-----------------------------|
| Interface | USB 2 |
| Lens Mount | C-Mount |
| I/O In | 1 x Opto |
| I/O Out | 1 x Opto |
| I/O RS-232 | - |
| I/O GPIO | - |
| I/O I2C | - |
| Protection Class | IP65/67 |
| Dimensions H/W/L | 41.0 mm x 41.0 mm x 40.5 mm |
| Mass | 140 g |
| Power supply | USB Cable |

Pin assignment I/O connector

| | |
|---|--------------------|
| 1 | Digital input (+) |
| 2 | Digital input (-) |
| 3 | Digital output (-) |
| 4 | Digital output (+) |

