

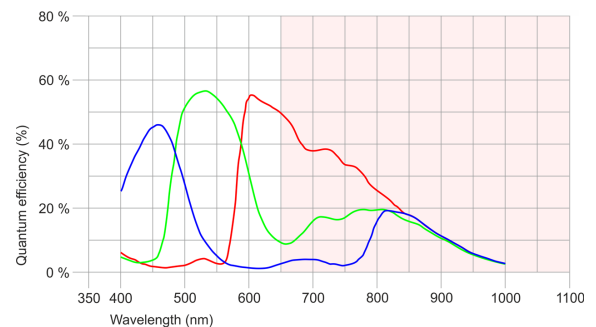
UI-3040LE-C-HQ (AB02648)



Specification

Sensor

| | |
|-----------------------------------------|----------------------|
| Sensor type | CMOS Color |
| Shutter | Global Shutter |
| Sensor characteristic | Linear |
| Readout mode | Progressive scan |
| Pixel Class | 1.6 MP |
| Resolution | 1.57 Mpix |
| Resolution (h x v) | 1448 x 1086 Pixel |
| Aspect ratio | 4:3 |
| ADC | 12 bit |
| Color depth (camera) | 12 bit |
| Optical sensor class | 1/3" |
| Optical Size | 4.995 mm x 3.746 mm |
| Optical sensor diagonal | 6.24 mm (1/2.56") |
| Pixel size | 3.45 µm |
| Manufacturer | Sony |
| Sensor Model | IMX273LQR-C |
| Gain (master/RGB) | 24x/4x |
| AOI horizontal | same frame rate |
| AOI vertical | increased frame rate |
| AOI image width / step width | 256 / 8 |
| AOI image height / step width | 4 / 2 |
| AOI position grid (horizontal/vertical) | 4 / 2 |
| Binning horizontal | - |
| Binning vertical | - |
| Binning method | - |
| Binning factor | - |
| Subsampling horizontal | - |
| Subsampling vertical | - |
| Subsampling method | - |
| Subsampling factor | - |



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Model

| | |
|-----------------------------------|--------------------|
| Pixel clock range | 10 MHz - 430 MHz |
| Frame rate freerun mode | 230 |
| Frame rate trigger (continuous) | 230 |
| Frame rate trigger (maximum) | 230 |
| Exposure time (minimum - maximum) | 0.017 ms - 998 ms |
| Long exposure (maximum) | 30000 ms |
| Power consumption | 0.8 W - 1.8 W |
| Special features | Sensor source gain |

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 - 80 °C / -4 °F - 176 °F |
| Humidity (relative, non-condensing) | 20 % - 80 % |

Connectors

| | |
|---------------------|------------|
| Interface connector | USB Type-C |
| I/O connector | - |
| Power supply | USB cable |

Design

| | |
|------------------|-----------------------------|
| Lens Mount | CS- / C-Mount |
| IP code | IP30 |
| Dimensions H/W/L | 47.0 mm x 46.0 mm x 24.2 mm |
| Mass | 37.5 g |