

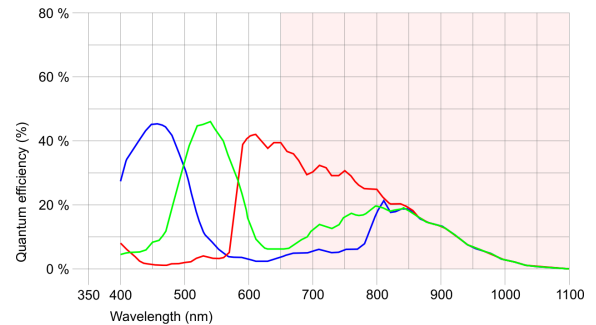
UI-5240FA-C-HQ (AB02426)



Specification

Sensor

| | |
|---|---|
| Sensor type | CMOS Color |
| Shutter | Global Shutter / Rolling shutter / Global Start Shutter |
| Sensor characteristic | Linear |
| Readout mode | Progressive scan |
| Pixel Class | SXGA |
| Resolution | 1.31 Mpix |
| Resolution (h x v) | 1280 x 1024 Pixel |
| Aspect ratio | 5:4 |
| ADC | 10 bit |
| Color depth (camera) | 12 bit |
| Optical sensor class | 1/1.8" |
| Optical Size | 6.784 mm x 5.427 mm |
| Optical sensor diagonal | 8.69 mm (1/1.84") |
| Pixel size | 5.3 µm |
| Manufacturer | e2v |
| Sensor Model | EV76C560ACT |
| Gain (master/RGB) | 4x/4x |
| AOI horizontal | same frame rate |
| AOI vertical | increased frame rate |
| AOI image width / step width | 16 / 4 |
| AOI image height / step width | 4 / 2 |
| AOI position grid (horizontal/vertical) | 2 / 2 |
| Binning horizontal | same frame rate |
| Binning vertical | same frame rate |
| Binning method | M/C automatic |
| Binning factor | 2 |
| Subsampling horizontal | - |
| Subsampling vertical | - |
| Subsampling method | - |
| Subsampling factor | - |



Subject to technical modifications (2017-11-02)

UI-5240FA-C-HQ (AB02426)

Model

| | |
|-----------------------------------|---|
| Pixel clock range | 7 MHz - 86 MHz |
| Frame rate freerun mode | 59 |
| Frame rate trigger (maximum) | 59 |
| Exposure time (minimum - maximum) | 0.009 ms - 2000 ms |
| Power consumption | 1.7 W - 2.2 W |
| Image memory | 120 MB |
| Special features | Linescan mode, Scaler, Sequencer, Log mode, Sensor hot pixel correction, Fine exposure, Multi-AOI |

Ambient conditions

The temperature values given below refer to the outer device temperature of the camera housing.

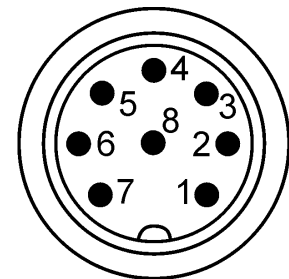
| | |
|-------------------------------------|---------------------------------|
| Device temperature during operation | 0 °C - 55 °C / 32 °F - 131 °F |
| Device temperature during storage | -20 °C - 60 °C / -4 °F - 140 °F |
| Humidity (relative, non-condensing) | 0 % - 100 % |

Connectors

| | |
|---------------------|--|
| Interface connector | GigE M12, screwable |
| I/O connector | 8-pin Binder connector (Binder series 712: 09-0427-020-08) |
| Power supply | 12 V - 24 V or PoE |

Pin assignment I/O connector

| | |
|---|-------------------------------------|
| 1 | Trigger input with optocoupler (+) |
| 2 | Input power supply (VCC) 12-24 V DC |
| 3 | General Purpose I/O (GPIO) 1 |
| 4 | Ground (GND) |
| 5 | Flash output with optocoupler (+) |
| 6 | Flash output with optocoupler (-) |
| 7 | Trigger input with optocoupler (-) |
| 8 | General Purpose I/O (GPIO) 2 |



Camera rear view

Design

| | |
|------------------|-----------------------------|
| Lens Mount | C-Mount |
| IP code | IP65/67 |
| Dimensions H/W/L | 41.0 mm x 53.0 mm x 42.7 mm |
| Mass | 172.5 g |