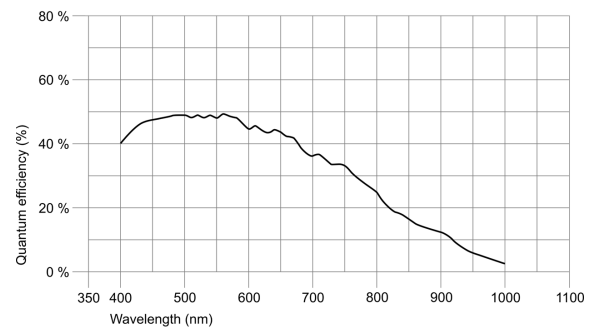




## Specification

### Sensor

|                                         |                                                         |
|-----------------------------------------|---------------------------------------------------------|
| Sensor type                             | CMOS Mono                                               |
| Shutter                                 | Global Shutter / Rolling shutter / Global Start Shutter |
| Sensor characteristic                   | Linear                                                  |
| Readout mode                            | Progressive scan                                        |
| Pixel Class                             | UXGA                                                    |
| Resolution                              | 1.92 Mpix                                               |
| Resolution (h x v)                      | 1600 x 1200 Pixel                                       |
| Aspect ratio                            | 4:3                                                     |
| ADC                                     | 10 bit                                                  |
| Color depth (camera)                    | 12 bit                                                  |
| Sensor Size                             | 1/1.8"                                                  |
| Optical Size                            | 7.200 mm x 5.400 mm                                     |
| Optical sensor diagonal                 | 9 mm (1/1.78")                                          |
| Pixel size                              | 4.5 µm                                                  |
| Manufacturer                            | e2v                                                     |
| Sensor Model                            | EV76C570ABT                                             |
| Gain (master/RGB)                       | 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                      | -                                                       |



## UI-3250CP-M-GL Rev.2

### Model

|                                   |                                                                                                                                                 |
|-----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| Pixel clock range                 | 10 MHz - 128 MHz                                                                                                                                |
| Frame rate freerun mode           | 60.0 fps                                                                                                                                        |
| Frame rate trigger                | 57.0 fps                                                                                                                                        |
| Exposure time (minimum - maximum) | 0.020 ms - 10000 ms                                                                                                                             |
| Power consumption                 | 1.3 W - 1.5 W                                                                                                                                   |
| Special features                  | Linescan mode,<br>Triggered linescan mode,<br>Scaler,<br>Sequencer,<br>Log mode,<br>Sensor hot pixel correction,<br>Fine exposure,<br>Multi-AOI |

### Ambient conditions

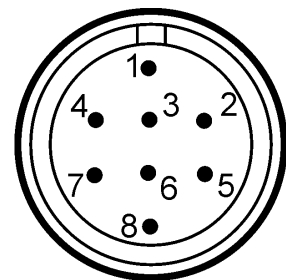
|                     |                                 |
|---------------------|---------------------------------|
| Ambient temperature | 0 °C - 40 °C / 32 °F - 104 °F   |
| Storage temperature | -20 °C - 60 °C / -4 °F - 140 °F |
| Relative humidity   | 20 % - 80 %                     |

### Connectors

|                     |                                           |
|---------------------|-------------------------------------------|
| Interface connector | USB 3.0 micro-B, screwable                |
| I/O connector       | 8-pin Hirose connector (HR25-7TR-8PA(73)) |
| Power supply        | USB cable                                 |

### Pin assignment I/O connector

|   |                                     |
|---|-------------------------------------|
| 1 | Ground (GND)                        |
| 2 | Flash output with optocoupler (-)   |
| 3 | General Purpose I/O (GPIO) 1        |
| 4 | Trigger input with optocoupler (-)  |
| 5 | Flash output with optocoupler (+)   |
| 6 | General Purpose I/O (GPIO) 2        |
| 7 | Trigger input with optocoupler (+)  |
| 8 | Output supply voltage, 5 V (100 mA) |



### Design

|                  |                             |
|------------------|-----------------------------|
| Lens Mount       | C-Mount                     |
| IP code          | IP30                        |
| Dimensions H/W/L | 29.0 mm x 29.0 mm x 29.0 mm |
| Mass             | 52 g                        |

