



UI-5240SE-C-HQ Rev.4 (AB02593)

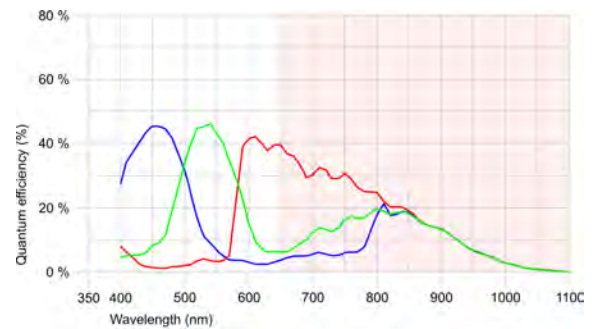
NEW GENERATION



## 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                      | -                                                       |



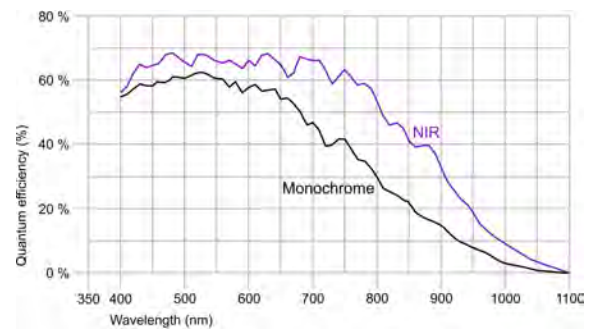
NEW GENERATION



## Specification

### Sensor

|                                         |                                                         |
|-----------------------------------------|---------------------------------------------------------|
| Sensor type                             | CMOS Mono                                               |
| 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                            | EV76C560ABT                                             |
| 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                        | increased frame rate                                    |
| Binning method                          | M/C automatic                                           |
| Binning factor                          | 2                                                       |
| Subsampling horizontal                  | -                                                       |
| Subsampling vertical                    | -                                                       |
| Subsampling method                      | -                                                       |
| Subsampling factor                      | -                                                       |





UI-5240SE-NIR-GL Rev.4 (AB02599)

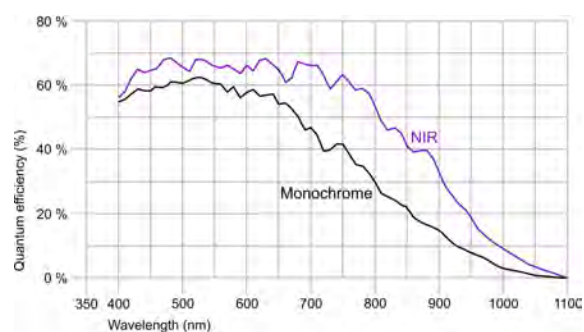
NEW GENERATION



## Specification

### Sensor

|                                         |                                                         |
|-----------------------------------------|---------------------------------------------------------|
| Sensor type                             | CMOS Mono                                               |
| 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                            | EV76C661ABT                                             |
| 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                        | increased frame rate                                    |
| Binning method                          | M/C automatic                                           |
| Binning factor                          | 2                                                       |
| Subsampling horizontal                  | -                                                       |
| Subsampling vertical                    | -                                                       |
| Subsampling method                      | -                                                       |
| Subsampling factor                      | -                                                       |





## UI-5240SE

### Model

|                                   |                                                                                                                     |
|-----------------------------------|---------------------------------------------------------------------------------------------------------------------|
| Pixel clock range                 | 7 MHz - 86 MHz                                                                                                      |
| Frame rate freerun mode           | 60                                                                                                                  |
| Frame rate trigger (maximum)      | 59                                                                                                                  |
| Exposure time (minimum - maximum) | 0.009 ms - 2000 ms                                                                                                  |
| Power consumption                 | 1.7 W - 2.2 W                                                                                                       |
| Image memory                      | 128 MB                                                                                                              |
| Special features                  | Linescan mode,<br>Scaler,<br>Sequencer,<br>Log mode,<br>Sensor hot pixel correction,<br>Fine exposure,<br>Multi-AOI |

### Ambient conditions

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

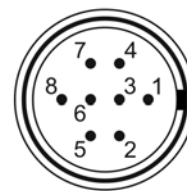
|                                     |                                 |
|-------------------------------------|---------------------------------|
| Device temperature during operation | 0 °C - 55 °C / 32 °F - 131 °F   |
| Device temperature during storage   | -20 °C - 60 °C / -4 °F - 140 °F |
| Humidity (relative, non-condensing) | 20 % - 80 %                     |

### Connectors

|                     |                                           |
|---------------------|-------------------------------------------|
| Interface connector | GigE RJ45, screwable                      |
| I/O connector       | 8-pin Hirose connector (HR25-7TR-8PA(73)) |
| Power supply        | 12 V - 24 V or PoE                        |

### 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 | Input power supply (VCC) 12-24 V DC |



Camera rear view

### Design

|                  |                             |
|------------------|-----------------------------|
| Lens Mount       | C-Mount                     |
| IP code          | IP30                        |
| Dimensions H/W/L | 34.0 mm x 44.0 mm x 47.0 mm |
| Mass             | 105.5 g                     |