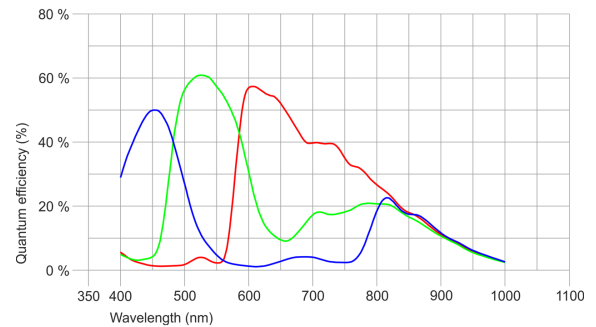




## Specification

### Sensor

|   |                      |
|---|----------------------|
| Sensor type                             | CMOS Color           |
| Shutter                                 | Global Shutter       |
| Sensor characteristic                   | Linear               |
| Readout mode                            | Progressive scan     |
| Pixel Class                             | 5 MP                 |
| Resolution                              | 5.04 Mpix            |
| Resolution (h x v)                      | 2456 x 2054 Pixel    |
| Aspect ratio                            | 5:4                  |
| ADC                                     | 12 bit               |
| Color depth (camera)                    | 12 bit               |
| Sensor Size                             | 2/3"                 |
| Optical Size                            | 8.446 mm x 7.066 mm  |
| Optical sensor diagonal                 | 11.01 mm (1/1.45")   |
| Pixel size                              | 3.45 µm              |
| Manufacturer                            | Sony                 |
| Sensor Model                            | IMX264LQR-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                  | same frame rate      |
| Subsampling vertical                    | same frame rate      |
| Subsampling method                      | M/C automatic        |
| Subsampling factor                      | 2, 4, 6, 8, 16       |



## UI-3280CP-C-HQ Rev.2

### Model

|                                   |                         |
|-----------------------------------|-------------------------|
| Pixel clock range                 | 10 MHz - 197 MHz        |
| Frame rate freerun mode           | 36.0 fps                |
| Frame rate trigger                | 36.0 fps                |
| Exposure time (minimum - maximum) | 0.027 ms - 997 ms       |
| Power consumption                 | 2.3 W - 3 W             |
| Special features                  | Triggered linescan mode |

### Ambient conditions

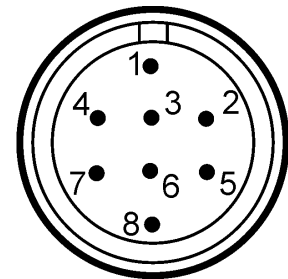
|                     |                                 |
|---------------------|---------------------------------|
| Ambient temperature | 0 °C - 40 °C / 32 °F - 104 °F   |
| Storage temperature | -20 °C - 60 °C / -4 °F - 140 °F |
| Relative humidity   | 20 % - 80 %                     |

### 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                        |

