

In series

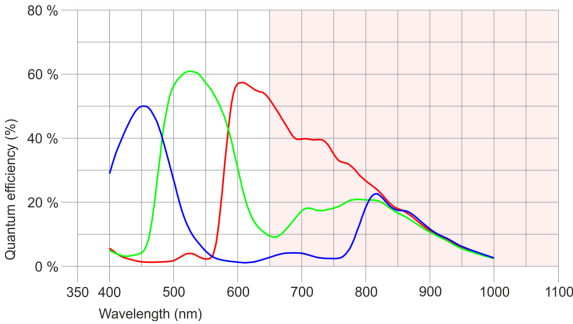
The model is in series and available for the long term.



Specification

Sensor

|                                         |                      |
|-----------------------------------------|----------------------|
| Sensor type                             | CMOS Color           |
| Shutter                                 | Global Shutter       |
| Sensor characteristic                   | Linear               |
| Readout mode                            | Progressive scan     |
| Pixel Class                             | 9 MP                 |
| Resolution                              | 8.85 Mpix            |
| Resolution (h x v)                      | 4096 x 2160 Pixel    |
| Aspect ratio                            | 17:9                 |
| ADC                                     | 12 bit               |
| Color depth (camera)                    | 12 bit               |
| Optical sensor class                    | 1"                   |
| Optical Size                            | 14.131 mm x 7.452 mm |
| Optical sensor diagonal                 | 15.98 mm (1/1")      |
| Pixel size                              | 3.45 µm              |
| Manufacturer                            | Sony                 |
| Sensor Model                            | IMX255LQR-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           | 2 / 2                |
| AOI position grid (horizontal/vertical) | 8 / 2                |
| Binning horizontal                      | same frame rate      |
| Binning vertical                        | same frame rate      |
| Binning method                          | M/C automatic        |
| Binning factor                          | 2 / 4 / 8            |
| Subsampling horizontal                  | same frame rate      |
| Subsampling vertical                    | same frame rate      |
| Subsampling method                      | M/C automatic        |
| Subsampling factor                      | 2, 4, 8              |



### Model

|                                   |                    |
|-----------------------------------|--------------------|
| Frame rate freerun mode           | 61*                |
| Frame rate trigger (maximum)      | 61                 |
| Exposure time (minimum - maximum) | 0.032 ms - 2000 ms |
| Long exposure (maximum)           | 90000 ms           |
| Power consumption                 | 10 W - 14 W        |
| Image memory                      | 2032 MB            |

\* Maximum frame rate achievable with upcoming firmware to be released shortly. For now, the maximum frame rate has to remain at 50 fps.

### Ambient conditions

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

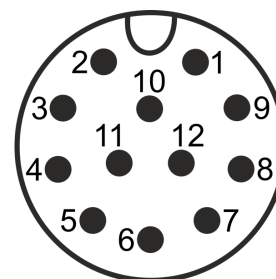
|                                     |                                 |
|-------------------------------------|---------------------------------|
| Device temperature during operation | 0 °C - 55 °C / 32 °F - 131 °F   |
| Device temperature during storage   | -20 °C - 60 °C / -4 °F - 140 °F |
| Humidity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

### Connectors

|                     |                                          |
|---------------------|------------------------------------------|
| Interface connector | GigE RJ45, screwable                     |
| I/O connector       | 12-pin M12 connector (Attend 216A-12MSR) |
| Power supply        | 12 V - 24 V or PoE+                      |

### Pin assignment I/O connector

|    |                                                 |
|----|-------------------------------------------------|
| 1  | Power supply, 12-24 V DC                        |
| 2  | Power supply, ground                            |
| 3  | (Trigger) input 0 with optocoupler - Line0      |
| 4  | Reference level for all optocoupler outputs     |
| 5  | Reference level for all optocoupler inputs      |
| 6  | (Trigger) input 1 with optocoupler - Line1      |
| 7  | (Flash) output 1 with optocoupler - Line4       |
| 8  | Fast (flash) output 2 with optocoupler - Line5  |
| 9  | Power supply for fast (flash) outputs, 3-5 V DC |
| 10 | Fast (flash) output 3 with optocoupler - Line6  |
| 11 | (Trigger) input 2 with optocoupler - Line2      |
| 12 | (Flash) output 0 with optocoupler - Line3       |



Camera rear view

### Design

|                  |                             |
|------------------|-----------------------------|
| Lens Mount       | C-Mount                     |
| IP code          | IP30                        |
| Dimensions H/W/L | 60.0 mm x 75.0 mm x 94.5 mm |
| Mass             | 550 g                       |