

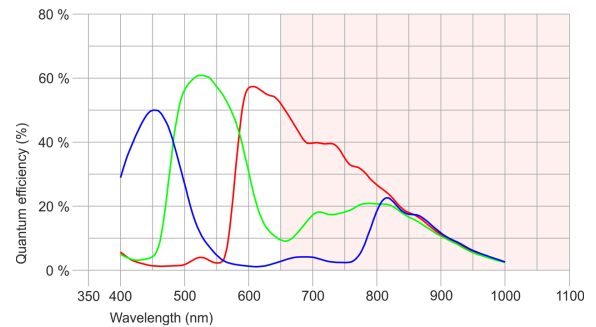
UI-3280SE-C-HQ (AB00991)



## 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
Optical sensor class	2/3"
Optical Size	8.473 mm x 7.086 mm
Optical sensor diagonal	11.05 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	2 / 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



Subject to technical modifications (2019-09-19)

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### Model

Pixel clock range	80 MHz - 197 MHz
Frame rate freerun mode	36
Frame rate trigger (continuous)	36
Frame rate trigger (maximum)	36
Exposure time (minimum - maximum)	0.025 ms - 999 ms
Long exposure (maximum)	30000 ms
Power consumption	1.7 W - 3.4 W
Image memory	128 MB
Special features	IDS line scan mode, Sensor source gain

### Ambient conditions

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

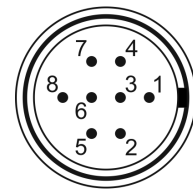
Device temperature during operation	0 °C - 55 °C / 32 °F - 131 °F
Device temperature during storage	-20 °C - 60 °C / -4 °F - 140 °F
Humidity (relative, non-condensing)	20 % - 80 %

### Connectors

Interface connector	USB Type-C, 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, 3.3 V
4	Trigger input with optocoupler (-)
5	Flash output with optocoupler (+)
6	General Purpose I/O (GPIO) 2, 3.3 V
7	Trigger input with optocoupler (+)
8	Voltage output (USB Power Delivery), 5-15 V



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	113 g