

GV-5890CP-M-GL (AB02644)

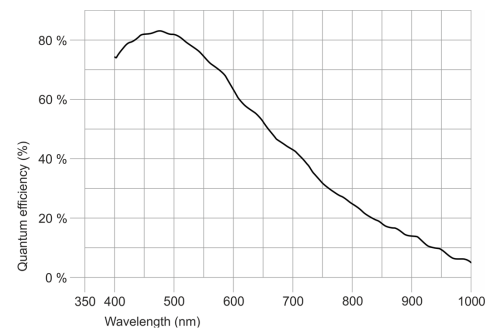


## Specification

**- PRELIMINARY -**

### Sensor

Sensor type	CMOS Mono
Shutter	Rolling shutter
Sensor characteristic	Linear
Readout mode	Progressive scan
Pixel Class	12 MP
Resolution	12.00 Mpix
Resolution (h x v)	4000 x 3000 Pixel
Aspect ratio	4:3
ADC	12 bit
Color depth (camera)	12 bit
Optical sensor class	1/1.7"
Optical Size	7.533 mm x 5.635 mm
Optical sensor diagonal	9.41 mm (1/1.7")
Pixel size	1.85 $\mu$ m
Manufacturer	Sony
Sensor Model	IMX226CLJ-C
Gain (master/RGB)	17x/15x
AOI horizontal	same frame rate
AOI vertical	same frame rate
AOI image width / step width	256 / 16
AOI image height / step width	1 / 1
AOI position grid (horizontal/vertical)	16 / 1
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, 8



Subject to technical modifications (2019-04-23)

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### Model

Pixel clock range	40 MHz - 140 MHz
Frame rate freerun mode	10
Frame rate trigger (continuous)	5.0 fps
Frame rate trigger (maximum)	5.0 fps
Exposure time (minimum - maximum)	0.126 ms - 2000 ms
Power consumption	1.8 W - 2.9 W
Image memory	128 MB
Special features	Sensor source gain

### Ambient conditions

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

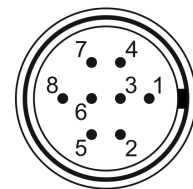
Device temperature during operation	0 °C - 55 °C / 32 °F - 131 °F
Device temperature during storage	-20 °C - 60 °C / -4 °F - 140 °F
Humidity (relative, non-condensing)	20 % - 80 %

### Connectors

Interface connector	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	29.0 mm x 29.0 mm x 29.0 mm
Mass	49.5 g