GV-5290SE-C-HQ (AB02289)

NEW GENERATION





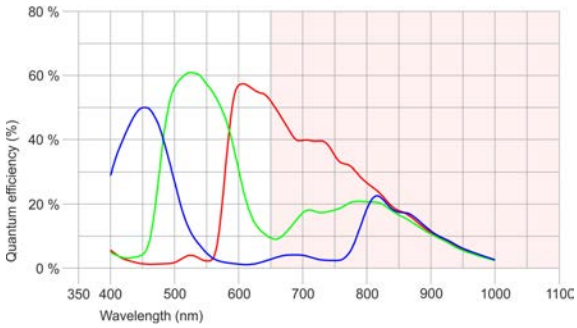


Made in Germany

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	IMX267LQR-C
Gain (master/RGB)	24x/4x
AOI horizontal	same frame rate
AOI vertical	increased frame rate
AOI image width / step width	264 / 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, 8



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GV-5290SE-M-GL (AB02290)

NEW GENERATION





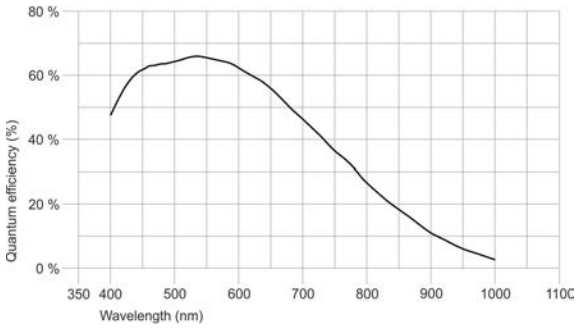


Made in Germany

Specification

Sensor

Sensor type	CMOS Mono
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	IMX267LLR-C
Gain (master/RGB)	24x/4x
AOI horizontal	same frame rate
AOI vertical	increased frame rate
AOI image width / step width	264 / 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, 8



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GV-5290SE-M-GL (AB02290) / GV-5290SE-C-HQ (AB02289)

Model

Pixel clock range	130 MHz - 130 MHz
Frame rate freerun mode	13
Frame rate trigger (continuous)	8.0 fps
Frame rate trigger (maximum)	8.0 fps
Exposure time (minimum - maximum)	0.005 ms - 2000 ms
Power consumption	1.7 W - 3.1 W
Image memory	128 MB

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	103.5 g

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