

## GV-7000WP-C-HQ (1007804)



### In series

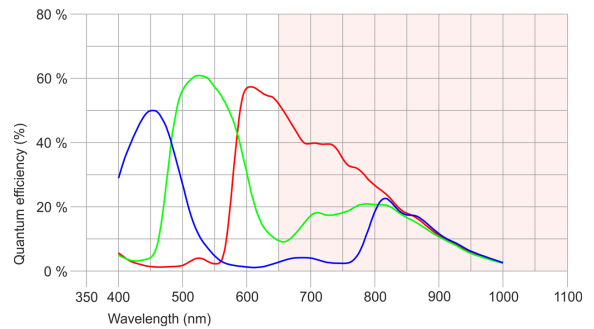
The model is in series and available for the long term.



## Specification

### Sensor

Sensor type	CMOS Color
Shutter	Global Shutter
Sensor characteristic	Linear
Readout mode	Progressive scan
Pixel Class	12 MP
Resolution	12.29 Mpix
Resolution (h x v)	4096 x 3000 Pixel
Aspect ratio	4:3
ADC	12 bit
Color depth (camera)	12 bit
Optical sensor class	1.1"
Optical Size	14.131 mm x 10.350 mm
Optical sensor diagonal	17.52 mm
Pixel size	3.45 µm
Manufacturer	Sony
Sensor Model	IMX253LQR-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)	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	42*
Frame rate trigger (maximum)	42
Exposure time (minimum - maximum)	0.032 ms - 2000 ms
Long exposure (maximum)	44000 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 36 fps.

### Ambient conditions

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

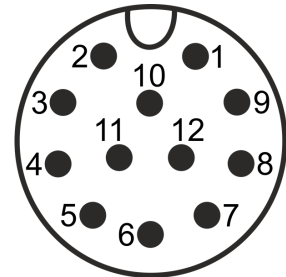
Device temperature during operation	0 °C - 55 °C / 32 °F - 131 °F
Device temperature during storage	-20 °C - 60 °C / -4 °F - 140 °F
Humidity (relative, non-condensing)	20 % - 80 %

### 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 (VBUS)
2	Reference level (ground) for power supply (VBUS GND)
3	Trigger input with optocoupler (Opto IN 0) - Line 0
4	Common reference level for all Opto OUT (Opto OUT COM)
5	Common reference level for all Opto IN (Opto IN COM)
6	Input 1 with optocoupler (Opto IN 1) - Line 1
7	Output 1 with optocoupler (Opto OUT 1) - Line 4
8	Fast output 2 with optocoupler (Opto OUT 2 fast) - Line 5
9	Power supply for fast outputs (Opto OUT VCC fast), max. 5V DC
10	Fast output 3 with optocoupler (Opto OUT 3 fast) - Line 6
11	Input 2 with optocoupler (Opto IN 2) - Line 2
12	Flash output with optocoupler (Opto OUT 0) - Line 3



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