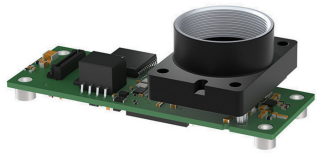
GV-5281ACP-M-GL (AB01330)

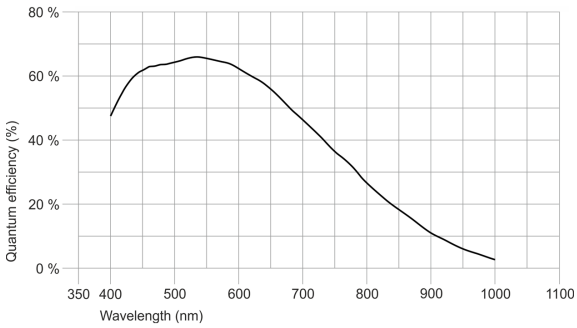
Not recommended for new designs
The camera model is no longer recommended for new application development.



Specification

Sensor

Sensor type	CMOS Mono
Shutter	Global Shutter
Sensor characteristic	Linear
Readout mode	Progressive scan
Pixel Class	5 MP
Resolution	5.01 Mpix
Resolution (h x v)	2448 x 2048 Pixel
Aspect ratio	5:4
ADC	12 bit
Color depth (camera)	12 bit
Optical sensor class	2/3""
Optical Size	8.446 mm x 7.066 mm
Optical sensor diagonal	11.01 mm (1/1.45")
Pixel size	3.45 µm
Manufacturer	Sony
Sensor Model	IMX264LLR-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	1 / 1
AOI position grid (horizontal/vertical)	8 / 1
Binning horizontal	same frame rate
Binning vertical	increased 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



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Model

Frame rate freerun mode	24
Frame rate trigger (continuous)	24
Frame rate trigger (maximum)	25
Exposure time (minimum - maximum)	0.033 ms - 2000 ms
Long exposure (maximum)	90000 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.
For PCB versions, refer to the separate hints in the respective documentation.

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 %

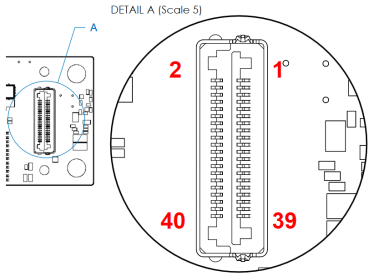
Connectors

Interface connector	Samtec LSHM 40pol
I/O connector	40-pin header (Samtec LSHM-120-L2.5-L-DV-A-S-K-TR)
Power supply	12 V - 24 V

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Pin assignment I/O connector

1	Input power supply (VCC) 12-24 V DC ± 10 %
2	Do not connect (for future use)
3	Input power supply (VCC) 12-24 V DC ± 10 %
4	Do not connect (for future use)
5	Ground (GND)
6	Do not connect (for future use)
7	Flash output without optocoupler 3.15 V 8 mA
8	Do not connect (for future use)
9	Trigger input without optocoupler 3.15 V
10	Ground (GND)
11	Do not connect (for future use)
12	Ground (GND)
13	Do not connect (for future use)
14	Do not connect (for future use)
15	I2C SDA (signal data) 3.15 V
16	Do not connect (for future use)
17	I2C SCL (signal clock) 3.15 V
18	Do not connect (for future use)
19	Do not connect (for future use)
20	RJ45 MX0 (-)
21	Do not connect (for future use)
22	RJ45 MX0 (+)
23	General Purpose I/O (GPIO) 2, 3.15 V 8 mA
24	Do not connect (for future use)
25	General Purpose I/O (GPIO) 1, 3.15 V 8 mA
26	RJ45 MX1 (-)
27	Ethernet, LED green, output 3.15 V
28	RJ45 MX1 (+)
29	Power, LED green, output 3.15 V
30	Do not connect (for future use)
31	Power, LED red, output 3.15 V
32	RJ45 MX2 (+)
33	Ethernet, LED red, output 3.15 V
34	RJ45 MX2 (-)
35	Do not connect (for future use)
36	Do not connect (for future use)
37	Do not connect (for future use)
38	RJ45 MX3 (+)
39	Ground (GND)
40	RJ45 MX3 (-)



Camera rear view

Design

Lens Mount	C-Mount
IP code	-
Dimensions H/W/L	36.0 mm x 36.0 mm x 9.8 mm
Mass	51 g

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