



BVS CA-GW1-xxxxxx-(1)(2)(3)(4)(5)(6)-001

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25GigE Vision industrial camera

Model xxxxxx
See table below

(1) Handling
1 = Standard handling
2 = Extended temperature range (-30°C to 65°C)

(2) Lens holder
1 = C-mount, type 2, with long service life and factory-set back focus
2 = TFL mount

(3) Filter
0 = Without filter
1 = IR cut filter
2 = Glass filter
Further filters on request

(4) Housing
1 = Standard housing, black with logo

(5) I/O
1 = Standard

(6) Software
0 = None

Model name	Resolution	FPS*	Sensor	Pixel size	Power**
BVS CA-GW1-					
0051B G/C	5.1 MP (2472 x 2064)	259	IMX537 (1/1.8", GS, CMOS)	2.74 µm	11 W
0081Z G/C	8.1 MP (2848 x 2848)	193	IMX536 (2/3", GS, CMOS)	2.74 µm	11 W
0124B G/C	12.4 MP (4128 x 3008)	184	IMX535 (1/1.1", GS, CMOS)	2.74 µm	11 W
0124F G/C	12.4 MP (6040 x 2040)	134	IMX902 (1.1", GS, CMOS)	2.74 µm	11 W
0162Z G/C	16.2 MP (5328 x 3040)	152	IMX532 (1.1", GS, CMOS)	2.74 µm	11 W
0164A G/C	16.4 MP (8008 x 2040)	134	IMX901 (1.4", GS, CMOS)	2.74 µm	11 W
0204Z G/C	20.4 MP (4512 x 4512)	104	IMX531 (1.1", GS, CMOS)	2.74 µm	11 W
0246A G/C	24.6 MP (5328 x 4608)	103	IMX530 (1.2", GS, CMOS)	2.74 µm	11 W
0081U UV	8.1 MP (2848 x 2848)	193	IMX487 (2/3", GS, CMOS)	2.74 µm	11 W

G/C = Mono and color available
FPS = Frames per Second
GS = Global Shutter
RS = Rolling Shutter
** @ 10 bit*
*** preliminary data*

Basic features

Standards	EMVA 1288 GigE Vision GenICam
Version	25 GigE Vision industrial camera

Electrical connection

Connection 1	25 GigE: SFP28-Female
Connection 2	Power/ IO: Samtec SFM-Male, 10-pin
Polarity reversal protected	yes
Short-circuit protection	yes

Electrical data

Operating voltage U_B	10...28 VDC
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Environmental conditions

Ambient temperature	0...45 °C
IP rating	IP40
Relative humidity	20...80%
Storage temperature	-20...60 °C

Functional Characteristics

Trigger Modi	Free run Hardware trigger Software trigger
Wave length	VIS UV

Interface

Digital inputs	2x PNP galvanically isolated
Digital outputs	2x PNP galvanically isolated
Interface	25 Gigabit Ethernet RS232

Material

Housing material	Aluminium, Powder coated, Painted
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Mechanical data

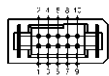
Dimension	40 x 40 x 77.5 mm
Lens mount	C-Mount TFL-Mount

Optical features

Binning	1x1...16x16 *
Chroma	Color Monochrome
Decimation	1x1...16x16 *
Exposure time	10 µs...20 s *
Frame rate	103 - 259 fps
Image formats	Mono8 Mono10 Mono12 Mono14 Mono16 Mono12Packed BayerRG8 BayerGR16 BayerRG12p BGR8 RGB8 YUV422_8 YUV422_8_UYVY YUV8_UYV
Image resolution	5 - 25 MP
Pixel size	2.74 x 2.74 µm
Sensor chip	Sony IMX 2.7 Series
Sensor type Vision	CMOS Global shutter

Connector Diagram

Power / IO (Samtec)



Product View

N/A

