

VLG-12C

Facts and Data

Digital Matrix Camera, Gigabit Ethernet

Sensor Information

Model Name	SONY® ICX445
Type	1/3" progressive scan CCD, EXview HAD technology
Native Resolution	1288 × 960 pixels
Exposure Time	4 µsec ... 60 sec

Acquisition Formats

Image Formats	Full Frame	1288 × 960 pixels	max.	42 fps
Pixel Formats	Mono8, BayerRG8, BayerRG12, RGB8 Packed, BGR8 Packed, YUV411 Packed, YUV422 Packed, YUV444 Packed			
Partial Scan	True Partial Scan, Region of Interest (ROI) arbitrary			

Image Pre-processing

Analog Controls	Gain (0 ... 26 dB), Offset (0 ... 1023 LSB 14 bit)
Color Models	RGB, YUV, Mono

Camera Features

Internal Buffer	120 MB (max. 30 images)
Synchronization	Free running, Trigger
Trigger Sources	Hardware, Software, ActionCommand, All or Off
Trigger Delay	0 ... 2 sec, Tracking and buffering of up to 512 triggers
Sequencer	Automated control for series of images using different sets of parameters
Sequencer Characteristics	up to 128 sets of parameters, up to 65536 loop passes, up to 65536 repetitions of sets of parameters, up to 65536 images per trigger event
Sequencer Parameters	Exposure Time, Gain Factor, Output Line, ROI Offset x, ROI Offset y
Digital I/Os	1 input line, 3 output lines

Interfaces and Connectors

Data Interface	Gigabit Ethernet, Transfer rate 1000 Mb/s/sec Fast Ethernet, Transfer Rate 100 Mb/s/sec Connector: 8P8C Modular Jack (RJ45), screw lock type
Process Interface	SACC-DSI-M8FS-3CON-M10-L180 SH
Power Interface	SACC-DSI-M 8MS-6CON-L180 SH

Mechanical Data

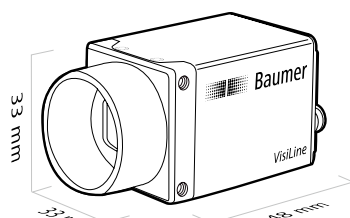
Housing	Aluminium, IP40
Lens Mount	C-Mount
Dimensions	33 x 33 x 48 mm
Weight	ca. 90 g

Electrical Data

Power Supply	12 ... 24 V DC (external Power Supply) 36 ... 57 V DC (Power over Ethernet)
Power Consumption	approx. 3.6 Watts @ 12 V DC and 42.0 fps approx. 3.8 Watts @ 48 V DC (PoE) and 42.0 fps

Environmental Data

Operating Temperature	+5 °C ... +50 °C (+41 °F ... +121 °F)
Humidity	10% ... 90% non condensing



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