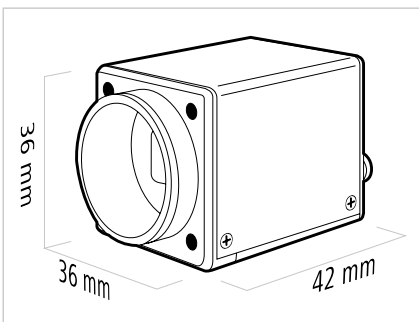


# EXG50

## Facts and Data

### Digital Monochrome Matrix Camera, 5 Megapixels, Gigabit Ethernet



**GiGE<sup>®</sup>**  
VISION  
**GEN*i*CAM**



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#### Sensor Information

Model Name	Aptina MT9P031
Type	1/2.5" CMOS
Shutter	Rolling Shutter with Global Reset option
Native Resolution	2592 × 1944 pixels
Exposure Time	4 µsec ... 1 sec

#### Acquisition Formats

Image Formats	Full Frame	2592 × 1944 pixels	max. 13.9 fps
	Binning 2x2	1296 × 972 pixels	max. 33.6 fps
	Binning 4x4	648 × 486 pixels	max. 52.3 fps
Pixel Formats	Mono8, Mono12, Mono12 Packed		
Partial Scan	True Partial Scan, Region of Interest (ROI) arbitrary		

#### Image Pre-processing

Analog Controls	Gain (0 ... 18 dB), Offset (0 ... 4095 LSB   12 bit)
Color Models	Mono

#### Camera Features

Internal Buffer	32 MBytes (max. 2 images)
Synchronization	Free running, Trigger
Trigger Sources	Hardware, Software, ActionCommand
Trigger Delay	0 ... 2 sec, Tracking and buffering of up to 512 trigger signals
Digital I/Os	1 input line (with Debouncer), 1 output line

#### Interfaces and Connectors

Data Interface	Gigabit Ethernet, Transfer rate 1000 Mb/s/sec Connector: 8P8C Modular Jack (RJ45), screw lock type
Process Interface	M8 / 4 pins
Power Interface	M8 / 3 pins

#### Mechanical Data

Housing	Aluminum, IP40
Lens Mount	C-Mount
Dimensions	36 × 36 × 42 mm
Weight	< 90 g

#### Electrical Data

Power Supply	8 ... 30 V DC
Power Consumption	approx. 2.7 Watts

#### Environmental Data

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