EXG03c Facts and Data

Digital Color Matrix Camera, 0.3 Megapixels, Gigabit Ethernet
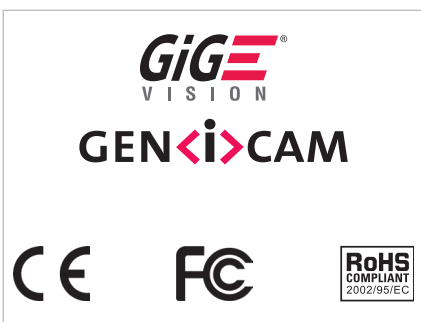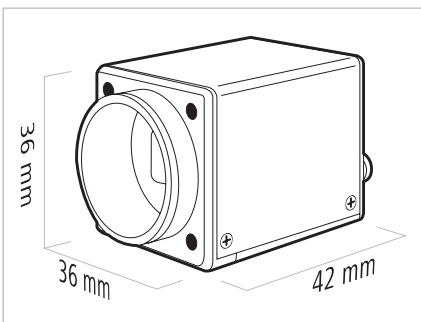
Sensor Information

Model Name	Aptina MT9V024
Type	1/3" CMOS
Native Resolution	748 × 476 pixels
Exposure Time	32 µsec ... 1 sec
Color Filter	RGB Bayer Mosaic

Acquisition Formats

Image Formats	Full Frame	748 × 476 pixels	max. 60.0 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 ... 12 dB), digital Offset (0 ... 1023 LSB | 10 bit)
Color Models	RGB, YUV, Mono
Color Processing	Integrated color processor for high quality color calculation
Color Adjustment	One Push White Balance, User-specific color adjustment

Camera Features

Internal Buffer	32 MBytes (max. 16 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 Mbits/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. 3.5 Watts

Environmental Data

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

36 mm
36 mm
42 mm

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