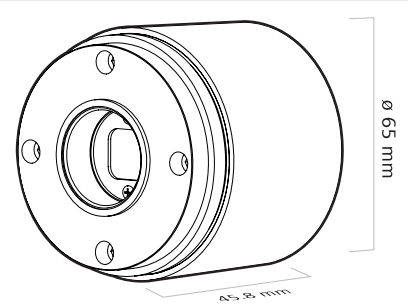
TXG03c-I7 Facts and Data



GiGE VISION

GEN<i>CAM

CE FC RoHS COMPLIANT 2002/95/EC c UL us LISTED

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Digital Color Matrix Camera, 0.3 Megapixels, Gigabit Ethernet with IP67-rated Enclosure

Sensor Information

Model Name	SONY® ICX424
Type	1/3" interline progressive scan CCD
Native Resolution	656 × 490 pixels
Exposure Time	4 µsec ... 60 sec
Color Filter	RGB Bayer Mosaic

Acquisition Formats

Image Formats	Full Frame HQ Full Frame	656 × 490 pixels 656 × 490 pixels	max. 46.0 fps max. 90.0 fps
Pixel Formats[1)]	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 ... 20 dB), Offset (0 ... 255 LSB | 12 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. 31 image)
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, 1 output line, each with Debouncer

Interfaces and Connectors

Data Interface	Gigabit Ethernet, Transfer rate up to 1000 Mbits/sec Connector: M12 / 8 pins, screw lock type
Process Interface	M8 / 4 pins
Power Interface	M8 / 3 pins

Mechanical Data

Housing	Aluminum, IP67
Lens Mount	C-Mount
Dimensions	ø 65 mm × 50 mm
Weight	< 360 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

[1)] Depending on the adjusted Image Format

Technical data has been fully checked, but accuracy of printed matter not guaranteed.
Subject to change without notice. Printed in Germany 08/09