

TXG20c-I7 Facts and Data



Digital Color Matrix Camera, 2 Megapixels, Gigabit Ethernet with IP67-rated Enclosure

Sensor Information

Model Name	SONY® ICX274		
Type	1/1.8" interline progressive scan CCD		
Native Resolution	1624 × 1232 pixels		
Exposure Time	4 µsec ... 60 sec		
Color Filter	RGB Bayer Mosaic		

Acquisition Formats

Image Formats	Full Frame HQ	1624 × 1232 pixels	max. 8.0 fps
	Full Frame	1624 × 1232 pixels	max. 16.0 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. 3 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 up to 1000 Mbits/sec Connector: M12 / 8 pins
Process Interface	M8 / 4 pins
Power Interface	M8 / 3 pins

Mechanical Data

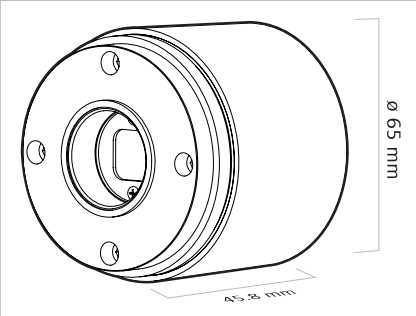
Housing	Aluminum, IP67
Lens Mount	C-Mount
Dimensions	ø 65 mm × 50 mm
Weight	< 360 g

Electrical Data

Power Supply	8 ... 30 V DC
Power Consumption	approx. 4 Watts

Environmental Data

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



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¹⁾ Depending on the adjusted Image Format