TXG08c-I7 Facts and Data

Digital Color Matrix Camera, 0.8 Megapixels, Gigabit Ethernet with IP67-rated Enclosure
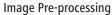
Sensor Information

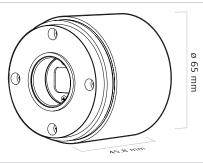|	
Model Name	SONY® ICX204
Type	1/3" interline progressive scan CCD
Native Resolution	1028 × 772 pixels
Exposure Time	4 μsec ... 60 sec
Color Filter	RGB Bayer Mosaic

Acquisition Formats

Image Formats	Full Frame HQ	1028 × 772 pixels	max.	14.0 fps
	Full Frame	1028 × 772 pixels	max.	28.0 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. 7 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

ø 65 mm

45.8 mm

GiGE VISION

GEN<i>CAM

Baumer IP67

CE   FC   RoHS COMPLIANT 2002/95/EC

[1] Depending on the adjusted Image Format