HXG20 Facts and Data

Digital Monochrome Matrix Camera, 2 Megapixel, Dual GigE

Sensor Information

Model Name	CMOSIS CMV-2000
Type	2/3" progressive scan CMOS
Native Resolution	2048 × 1088 pixels
Exposure Time	20 µsec ... 1 sec

Acquisition Formats

Image Formats	Full Frame	2048 × 1088 pixels	max.	105 fps
Pixel Formats	Mono8, Mono10, Mono12			
Partial Scan	True Partial Scan, Region of Interest (ROI) arbitrary			

Image Pre-processing

Analog Controls	Gain (0 ... 12 dB), Offset (0 ... 255 LSB)
Color Modes	Mono

Camera Features

Internal Buffer	256 MBytes (max. 110 images)
Synchronization	Free running, Trigger
Trigger Sources	Hardware, Software, Action Command
Trigger Delay	0 ... 2 sec, Tracking and buffering of up to 512 trigger signals
Digital I/Os	3 input lines (with Debouncer), 3 output lines

Interfaces and Connectors

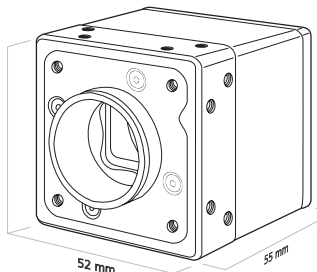|	
Data Interface	Dual GigE, Transfer Rate 2000 Mbit/sec Connector: 8P8CModular Jack (RJ45), screw lock type
Process Interface	M8 / 8 pins
Power Interface	M8 / 3 pins

Mechanical Data

Housing	Aluminum, IP40
Lens Mount	C-Mount
Dimensions	52 x 52 x 55 mm^3
Weight	210 g (C-Mount)

Electrical Data

Power Supply	20 ... 30 V DC
Power Consumption	approx. 8 Watt (with camera factory settings)

Environmental Data

Operating Temperature	+5 °C ... +50 °C (+41 °F ... +122 °F)
Humidity	10% ... 90% non condensing

52 mm
52 mm
55 mm

GiGE VISION

GEN<i>CAM

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