

HXC40c

Facts and Data

Digital Color Matrix Camera, 4 Megapixel, CameraLink®

Sensor Information

Model Name	CMOSIS CMV-4000
Type	1" progressive scan CMOS
Native Resolution	2048 × 2048 pixels
Exposure Time	20 µsec ... 1 sec
Color Filter	RGB Bayer Mosaic

Acquisition Formats

Image Formats	Full Frame	2048 × 2048 pixels	max. 180.0 fps
Pixel Formats	BayerGB8, BayerGB10, BayerGB12		
Partial Scan	True Partial Scan, Region of Interest (ROI) arbitrary		

Image Pre-processing

Analog Controls	Offset (0 ... 255 LSB)
Color Modes	Raw Bayer
Color Adjustment	One Push White Balance

Camera Features

Internal Buffer	256 MBytes (max. 60 images)
Synchronization	Free running, Trigger
Trigger Sources	Hardware, Software, FrameGrabber
Trigger Delay	0 ... 2 sec, Tracking and buffering of up to 512 trigger signals
Sequencer	Automated control for series of images using different sets of parameters
Sequencer Characteristics	up to 128 sets of parameters, up to 4 billion loop passes, up to 4 billion repetitions of sets of parameters, up to 4 billion images per trigger event
Sequencer Parameters	Exposure Time, Gain Factor, Output
Digital I/Os	3 input lines (with Debouncer), 3 output lines

Interfaces and Connectors

Data Interface	CameraLink® Base, Medium und Full Connector: 2x Standard SDR26 (Mini CL)
Process Interface	M8 / 8 pins
Power Interface	M8 / 3 pins

Mechanical Data

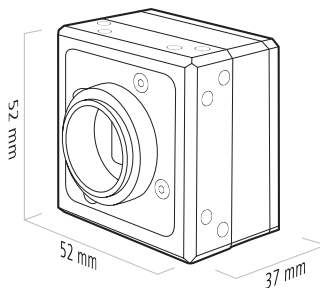
Housing	Aluminum, IP40
Lens Mount	C-Mount, F-Mount
Dimensions	52 × 52 × 37 mm
Weight	185 g

Electrical Data

Power Supply	9.6 ... 30 V DC
Power Consumption	approx. 5.5 Watts

Environmental Data

Operating Temperature	+5 °C ... +60 °C (+41 °F ... +131 °F)
Humidity	10% ... 90% non condensing



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