

VQXT-120M.HS

10 GigE, 12 Megapixel, Monochrome

Article number: 11185752

Overview

- 4096 × 3068 px
- ams (CMOSIS) CMV12000
- APS-C CMOS
- 335 fps
- 10 GigE



Picture similar



GEN*i*CAM



Technical data

Sensor information

Sensor	ams (CMOSIS) CMV12000
Mono/Color	Mono
Sensor type	APS-C CMOS
Shutter type	Global shutter
Resolution	4096 × 3068 px
Pixel size	5.5 × 5.5 µm
Exposure time	0.01 ... 1000 ms

Data quality (EMVA 1288 typical)

Dark noise	14.09 e-
Saturation capacity	7847 e-
Dynamic range	42.9 dB
Signal-to-noise ratio	38.9 dB
Quantum efficiency	36.2 % @ 536 nm

Acquisition formats

Image formats, interface frame rate max.	Full Frame, 4096 × 3068 px, max. 92 fps
Image formats, acquisition frame rate max. (Burst Mode)	Full Frame, 4096 × 3068 px, max. 335 fps
Pixel formats	Mono8

Image preprocessing

Analog controls	Gain (0 ... 12 dB) Offset (0 ... 31 LSB 8 Bit)
Color models	Mono

Camera features

Synchronization	free running trigger
Trigger sources	Hardware Software
Trigger delay	0 ... 2 sec, tracking and buffering of up to 256 trigger signals
Sequencer	Automated control for series of images using different sets of parameters
Sequencer parameter	Exposure time gain factor Output ROI Offset x ROI Offset y
Digital inputs	2 inputs
Digital outputs	2 outputs
Internal image buffer	8192 MB

Interfaces and connectors

Data interface	10 Gigabit Ethernet, Transfer rate 10000 Mbits/sec, Gigabit Ethernet, Transfer rate 1000 Mbits/sec, connector: SACC-CI-M12FS-8CON-L180-10G
Process interface / power supply	SACC-CI-M12MS-8CON-SH TOR 32 / 8 pins

Mechanical data

Lens mount	M58-mount (F-mount, M42, C-mount via adapter)
Width	70 mm

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Height	70 mm
Depth	99.15 mm
Weight	≤ 640 g (M58-mount)
Material	housing: aluminum

Electrical data

Voltage supply range +Vs	12 ... 24 V DC (external power supply)
Power consumption	Approx. 17.5 W @ 24 VDC

Non-volatile memory

Flash memory size	128 kB
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Environmental conditions

Operating temperature	+5 ... +65 °C @ T = measurement point
Humidity	10 ... 90 % (non-condensing)
Protection class	IP 40

Conformity

Conformity	CE RoHS EAC
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Dimension drawing

