

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



GEN<i>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

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

Camera features

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
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

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Non-volatile memory

Flash memory size 128 kB

Environmental conditions

Operating temperature +5 ... +65 °C @ T = measurement point

Humidity 10 ... 90 % (non-condensing)

Environmental conditions

Protection class IP 40

Conformity

Conformity CE
RoHS
EAC

Dimension drawing

