Baumer
Passion for Sensors

HX series

HXC20NIR

Camera Link, 2 Megapixel, Monochrome

Article number: 11047485

overview

- 2048 × 1088 px
- ams (CMOSIS) CMV2000
- 2/3″ CMOS
- 337 fps
- Camera Link Full
- Phase-Out starting 08/20, alternative via sales

technical data

sensor information	
sensor	ams (CMOSIS) CMV2000
resolution	2048 × 1088 px
exposure time	0,02 … 1000 ms
pixel size	5.5 × 5.5 µm
shutter type	Global shutter
sensor type	2/3″ CMOS
acquisition formats	
image formats, interface frame rate max.	Full Frame, 2048 × 1088 px, max. 337 fps Binning 2×1, 1024 × 1088 px, max. 337 fps Subsampling 2×2, 1024 × 544 px, max. 664 fps
pixel formats	Mono8 Mono10 Mono12
image preprocessing	
analog controls	Gain (0 … 12 dB) Offset (0 … 255 LSB)
color models	Mono NIR
camera features	
synchronization	free running trigger
trigger sources	Hardware software FrameGrabber
trigger delay	0 … 2 sec, tracking and buffering of up to 512 trigger signals

camera features	
sequencer	Automated control for series of images using different sets of parameters
sequencer parameter	exposure time gain factor output
digital inputs	3 input line (each with Debouncer)
digital outputs	3 output lines
internal image buffer	256 MB
interfaces and connectors	
data interface	Camera Link Full, connector: 2 x Standard SDR26 (Mini CL)
process interface	M8 / 8 pins
power supply	M8 / 3 pins
mechanical data	
lens mount	C-mount (F-mount on request)
width	52 mm
height	52 mm
depth	37 mm
weight	≤ 185 g
material	housing: aluminum
electrical data	
voltage supply range +Vs	9,6 … 30 V DC
power consumption	approx. 5,5 W
environmental conditions	
operating temperature	+5 … +60 °C
humidity	10 … 90 % (non-condensing)

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environmental conditions	
protection class	IP 40
conformity	
conformity	CE RoHS FCC KC (MISP-REI-BkR-HXC40) EAC

dimension drawing