

mvBlueCOUGAR-S

Industrial Gigabit Ethernet CCD cameras



Super visions for a new point of view

www.matrix-vision.de



■ compact industrial CCD camera series
with Gigabit Ethernet

■ high quality sensors

■ gray scale and color versions

■ variable electronic shutter mode

■ hardware and software trigger

mvBlueCOUGAR-S

more and up-to-date infos see ▼

GENiCAM
GigE
VISION

www.matrix-vision.com/mvBlueCOUGAR

The MATRIX VISION mvBlueCOUGAR-S is a compact and flexible industrial camera compliant to GigE Vision and GenICam.

The Gigabit Ethernet interface transfers high data rates over long distances using inexpensive standard network parts. The

camera allows an easy integration in the environment and supports the application to deliver faster and better results.

Hardware

- ▶ Gigabit Ethernet interface
- ▶ distances up to 100 meters without switch
- ▶ digital I/O opto-isolated:
 - 1 input (trigger) 5..24 V ± 1 V
 - 1 output (strobe) 5 V ± 0.3 V
- ▶ connectors:
 - RJ-45 Gigabit Ethernet
 - circular connector power supply, digital I/O
- ▶ electric power supply via Power over Ethernet (PoE) or 12 V power supply
- ▶ binning mode
- ▶ gamma correction

Software

- ▶ Windows® and Linux® drivers (mvIMPACT Acquire)
- ▶ GigE Vision™ and GenICam™ compliant
- ▶ comes with free mvIMPACT Base

- ▶ adjustable sharpness and brightness
- ▶ automatic and variable electronic shutter modes
- ▶ image area is adjustable horizontally/vertically (AOI)
- ▶ enhanced white balance functionality
- ▶ automatic gain and exposure
- ▶ progressive scan
- ▶ C-mount
- ▶ weight without lens: approx. 140 g
- ▶ permissible ambient temperature:
 - performance: 0 to 40 °C/30 to 80 % RH
 - storage -20 to 60 °C/20 to 90 % RH
- ▶ size without lens (w x h x l): 44 x 29 x 72 mm

Legal notice: The contents of this brochure are intended to provide information only and to show possible examples. We reserve the right to change technical data and construction at any time without prior notice. The technical specifications of customer systems and of our current products have to be clarified when ordering. Date 10/2008

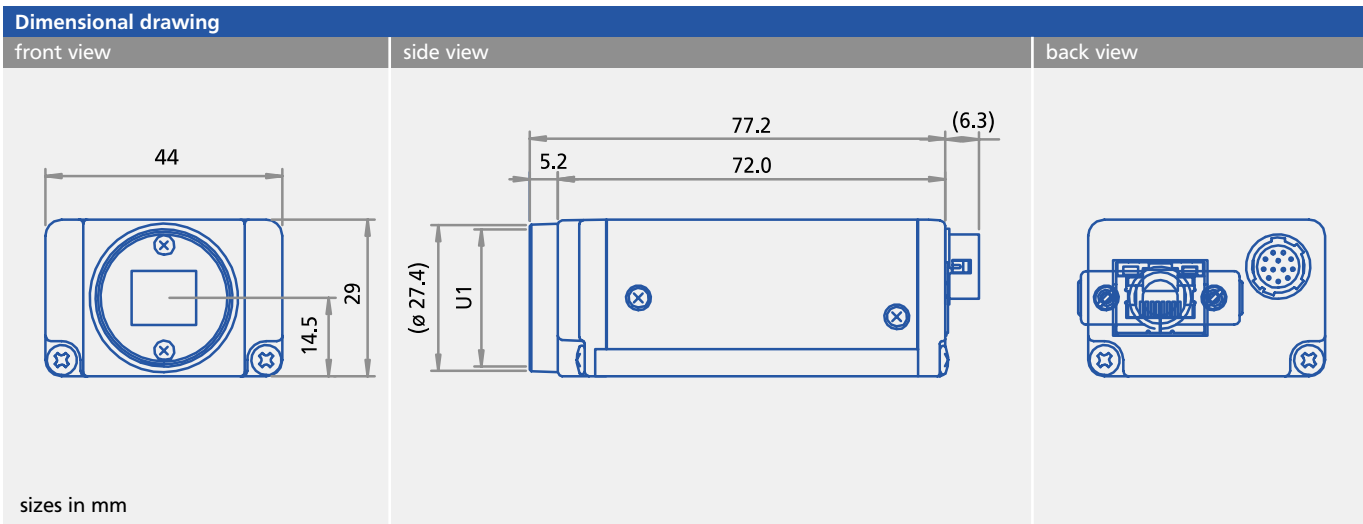
mv MATRIX
VISION

MATRIX VISION GmbH

Talstrasse 16
DE-71570 Oppenweiler
Phone: +49-7191-94 32-0
Fax: +49-7191-94 32-288
info@matrix-vision.de

RECOGNIZE ANALYZE DECIDE

Available sensors						
Model name	-S120a		-S121		-S123	
Model variant	G Gray	C Color	G Gray	C Color	G Gray	C Color
▶ Sensor supplier	Sony		Sony		Sony	
▶ Sensor name	ICX424AL-A	ICX424AQ-A	ICX204AL-A	ICX204AK-A	ICX267AL-A	ICX267AK-B
▶ Sensor type	CCD		CCD		CCD	
▶ Indication of lens category to be used	1/3 "		1/3 "		1/2 "	
▶ Resolution of sensor's active area (width x height in [pixels])	640 x 480		1024 x 768		1360 x 1024	
▶ Pixel size (width x height in [μm])	7.4 x 7.4		4.65 x 4.65		4.65 x 4.65	
▶ Readout type (CCD only)	Progressive		Progressive		Progressive	
▶ Transfer / Shutter type	Full Frame		Full Frame		Full Frame	
▶ Maximum frame rate [Hz]	90		36		30	
▶ Sensitivity	2000 1x, F11 3200 K	2000 1x, F5.6 3200 K	2000 1x, F11 3200 K	2000 1x, F5.6 3200 K	2000 1x, F11 3200 K	2000 1x, 5.6 3200 K
▶ Integration time	10 μs - 10 s		10 μs - 10 s		10 μs - 10 s	
▶ Power consumption (DC +12 V)	approx. 5.2 W		approx. 4.8 W		approx. 7.0 W	



- ### Application areas
- ▶ machine vision
 - ▶ robotics
 - ▶ surveillance
 - ▶ medical imaging

Legal notice: The contents of this brochure are intended to provide information only and to show possible examples. We reserve the right to change technical data and construction at any time without prior notice. The technical specifications of customer systems and of our current products have to be clarified when ordering. Date 10/2008



MATRIX VISION GmbH
 Talstrasse 16
 DE-71570 Oppenweiler
 Phone: +49-7191-94 32-0
 Fax: +49-7191-94 32-288
 info@matrix-vision.de

RECOGNIZE ANALYZE DECIDE

