



GIG VISION **GEN<i>i</i>CAM**



sensor information

sensor	Sony ICX274
type	1/1.8" interline progressive scan CCD
resolution	1624 × 1232 px
exposure time	0,004 ... 60000 ms
color filter	RGB Bayer Mosaic
pixel size	4.4 × 4.4 μm

acquisition formats

image formats, frame rate max.	Full Frame HQ, 1624 × 1232 px, max. 8,0 fps Full Frame, 1624 × 1232 px, max. 16,0 fps
pixel formats	Mono8 BayerRG8 BayerRG12 RGB8 Packed BGR8 Packed YUV411 Packed YUV422 Packed YUV444 Packed

image pre-processing

analog controls	Gain (0 ... 20 dB) Offset (0 ... 255 LSB 12 Bit)
color models	RGB YUV Mono
color processing	Integrated color processor for high quality color calculation

interfaces and connectors

data interface	Gigabit Ethernet, Transfer rate 1000 Mbits/sec, Connector: 8P8C Modular Jack (RJ45), Screw lock type
process interface	M8 / 8 pins
power supply	M8 / 3 pins

mechanical data

material	housing: aluminum
lens mount	C-mount

mechanical data

width	36 mm
height	36 mm
depth	48 mm
weight	≤ 90 g

electrical data

voltage supply range +Vs	8 ... 30 V DC
power consumption	approx. 4,0 W

environmental conditions

operating temperature	+5 ... +50 °C
humidity	10 ... 90 % (non-condensing)
protection class	IP 40

digital I/Os

lines	3 input lines (each with Debouncer) 3 output lines
output line sources	Exposure Active Readout Active User0 User1 User2 Timer1 TriggerReady TriggerOverlapped TriggerSkipped Off

dimension drawing

