Mako G-192

Description

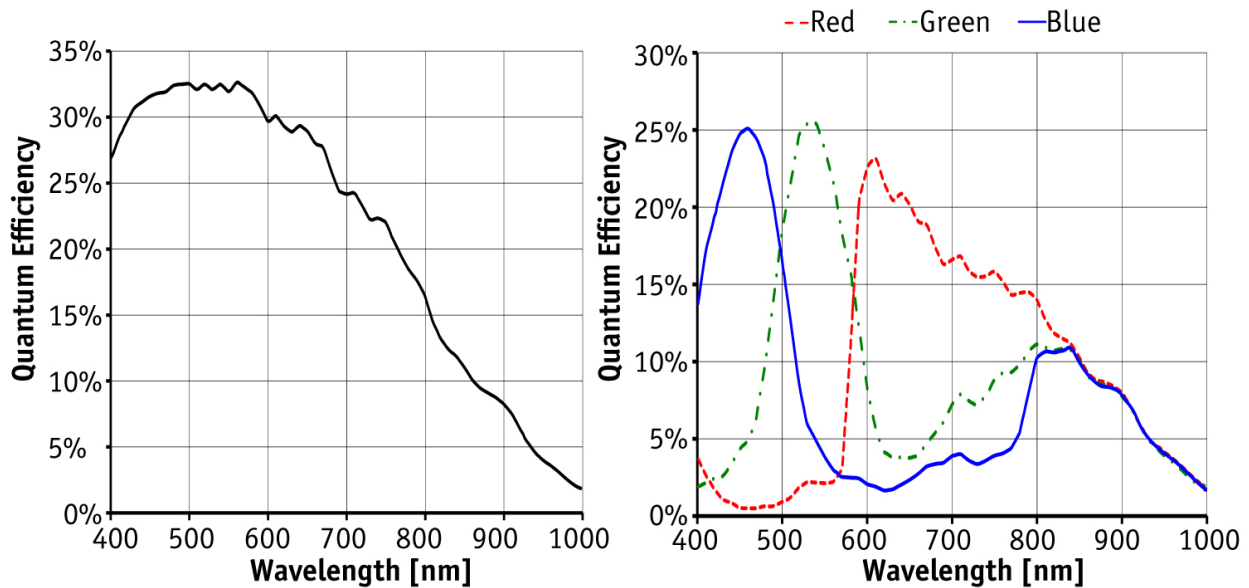### GigE camera with e2v CMOS color sensor, 1.9 Megapixels

The Mako G-192C is an industrial GigE camera with an e2v EV76C570 sensor. Mako cameras have the same 29 x 29 mm form factor and the same mounting positions as many analog cameras. All models include PoE, two optocoupled outputs, and a 64 MB image buffer. The image quality profits from the precisely aligned sensors.

- e2v EV76C570 CMOS sensor
- 1.9 Megapixels
- Switchable Rolling / Global / GlobalReset shutter modes
- Trigger
  - External trigger event: rising / falling / any edge
- Sync modes
  - Trigger ready, trigger input, exposing, readout, imaging, strobe, GPO
- Modular options
  - Various IR cut/pass filters, protection glass
  - CS-Mount
  - White medical housing

Specifications

Mako	G-192
Interface	IEEE 802.3 1000BASE-T, IEEE 802.3af (PoE)
Resolution	1600 x 1200
Sensor	e2v EV76C570
Sensor type	CMOS Progressive
Sensor size	Type 1/1.8
Cell size	4.5 µm
Lens mount	C/CS-Mount
Max frame rate at full resolution	60 fps
A/D	10 bit
On-board FIFO	64 MB
	Output
Bit depth	8/10 bit
Mono modes	Mono8, Mono10
Color modes YUV	YUV411Packed, YUV422Packed, YUV444Packed
Color modes RGB	RGB8Packed, BGR8Packed
Raw modes	BayerGB8, BayerGB10
	General purpose inputs/outputs (GPIOs)
Opto-coupled I/Os	1 input, 3 outputs
	Operating conditions/Dimensions
Operating temperature	+5°C to +45°C (housing temperature)
Power requirements (DC)	PoE /12 V - 24 V
Power consumption (12 V)	2.4 W (PoE) / 2.1 W (non-PoE)
Mass	80 g
Body Dimensions (L x W x H in mm)	60.5 x 29 x 29 mm, incl. connectors
Regulations	CE, FCC Class B, RoHS

Download technical drawing (click here)

Smart features

- Switchable Rolling / Global / GlobalReset shutter modes
- Defect pixel correction
- ReverseX/Y
- Camera temperature monitoring
- ROI, separate ROI for auto features
- Decimation (Horizontal and Vertical: 1, 2, 4 factor)
- Binning
- Auto gain (manual gain control: 0 to 24 dB)
- Auto exposure
- Auto white balance
- LUTs (look-up tables)
- Gamma
- Hue, saturation, color correction
- StreamBytesPerSecond (easy bandwidth control)
- Stream hold
- Event channel
- Chunk data
- 3 storable user sets

Applications

The Mako is an inexpensive industrial GigE camera with a compact form factor. It is suitable for all typical machine vision applications:

- Robotics
- Quality control
- Inspection, surveillance
- Industrial imaging
- Machine vision
- Logistics