Manta G-146

Description

Value packed GigE Vision camera with Sony ICX267

The Manta G-146B/C is a value packed GigE Vision camera with a Sony ICX267 sensor. It runs at 17 fps (full resolution). With a smaller ROI, higher frame rates are possible.
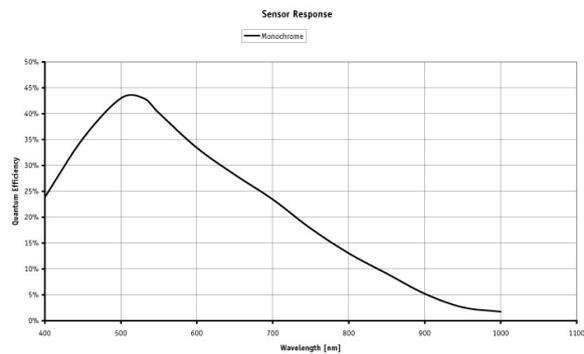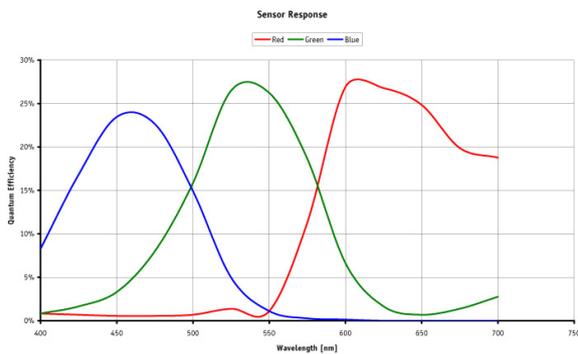The color version includes color interpolation/color correction functions that outperform most cameras in this price class.

- Sony ICX267 (type 1/2), 1.4 Megapixels
- Two configurable inputs, two configurable outputs (all optocoupled), RS-232
- Pixel format
  - B/w: Mono8, Mono16
  - Color: Bayer8, Bayer16, RGB24, YUV411, YUV422, YUV444, BGR24, RGBA24, BGRA24
- Trigger
  - External trigger event: rising/falling/any edge, level high/low
  - External trigger delay: 0 to 60 seconds in 1 µs increments
- Modular options
  - Various IR cut/pass filters
  - CS-/M12-Mount (standard: C-Mount)
  - Board level version

Specifications

Manta	G-146
Resolution	1388 x 1038
Max frame rate at full resolution	17 fps
Type	CCD Progressive
Interface	IEEE 802.3 1000baseT
A/D	14 bit
Output	8-12 bit
Sensor Size	Type 1/2
Sensor	Sony ICX267
Cell size	4.65 μm
On-board FIFO	32 MB
Body Dimensions (L x W x H in mm)	86.4 x 44 x 29 mm incl. connectors, w/o tripod and lens

Download Manta technical drawing (click here)

Smart features

- ROI (Region of Interest Readout)
- Exposure
  - Auto/one push/programmable
  - Exposure time: 37.1 µs to 60 s
- White balance
  - Auto/one push/programmable
- Hue, saturation, sharpness (color versions)
- Gain
  - Auto/one push/programmable
  - Manual gain control: 0 to 24 dB (1 dB/step)
- Gamma (0.5)
- DSP subregion (selectable ROI for auto features)
- Binning (up to 8 x 8, independent x and y binning)
- Stream hold
- StreamBytesPerSecond (easy bandwidth control)
- On-board debayering
- 3 storable user sets

Applications

The Manta G-146B/C is a value packed, robust GigE Vision camera for many machine vision and inspection applications.

- Machine vision
- Industrial inspection
- Logistics and automation
- Healthcare
- ... and many more