

# HR-500-S Series

HR-500-S-M Monochrome

HR-500-S-C Color



**GiGE**  
VISION

GEN<i>CAM

## HR-500-S: 10GigE camera with Sony Pregius IMX426

HR-500-S features the Sony Pregius IMX426 sensor. At full resolution (812x620) you get up to 1586 frames per second in 8-bit mode. Its ultra high-speed 10GigE SFP+ interface offers many benefits including low-cost accessories, low CPU overhead, low latency, low jitter, and accurate multi-camera synchronization using IEEE1588. In addition, 10GigE SFP+ offers three supported cabling options for cable lengths from 1M to 10KM.

### Benefits

- » High-speed 10GigE SFP+
- » 10x the speed of GigE
- » Ultra high data/frame rates
- » GigE Vision® and GenICam™ compliant
- » Optional IP67 housing

### Applications

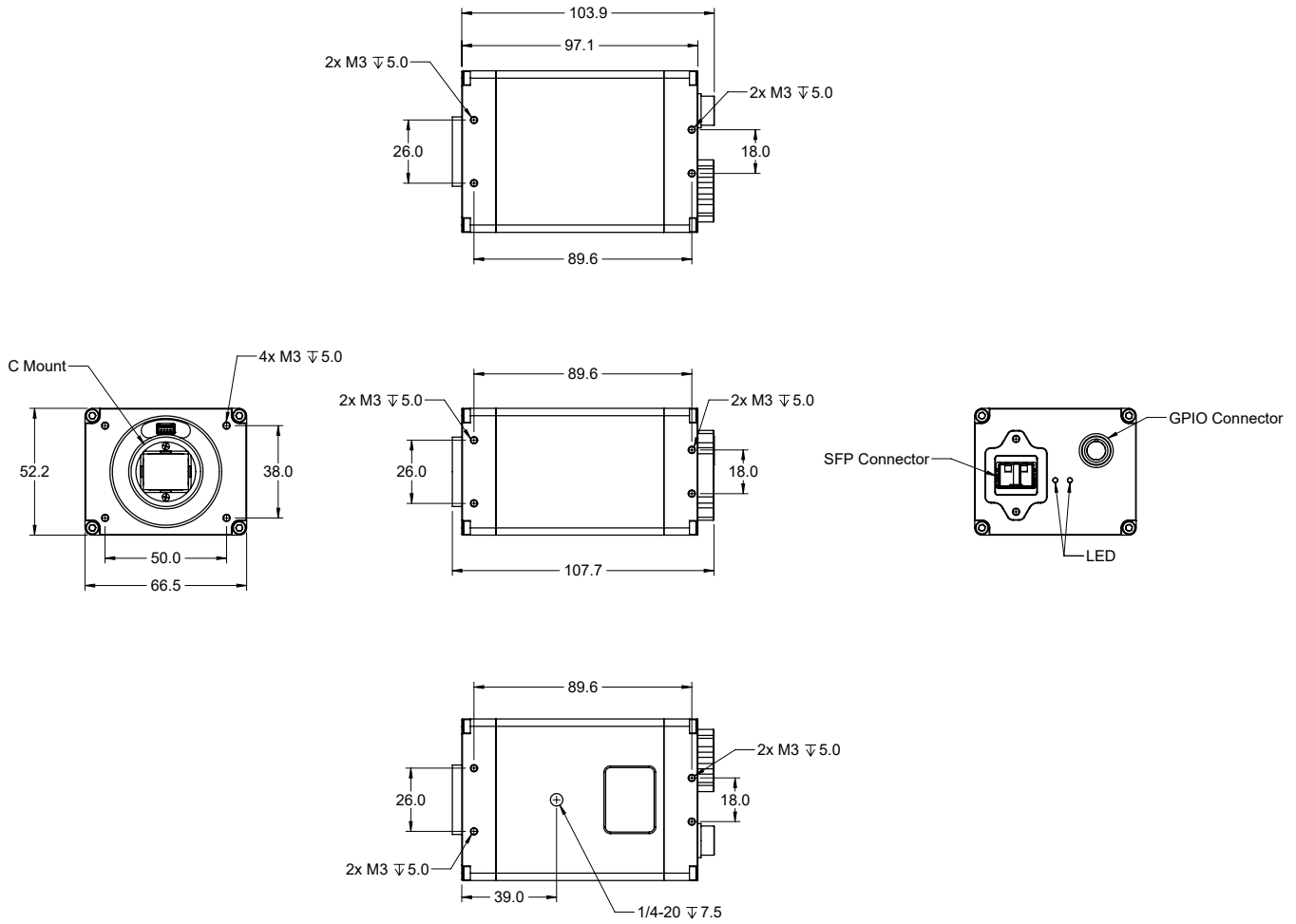
- » Production Lines
- » Immersive 3D Content
- » Finish Line Vision
- » Referee Assist

## Specifications

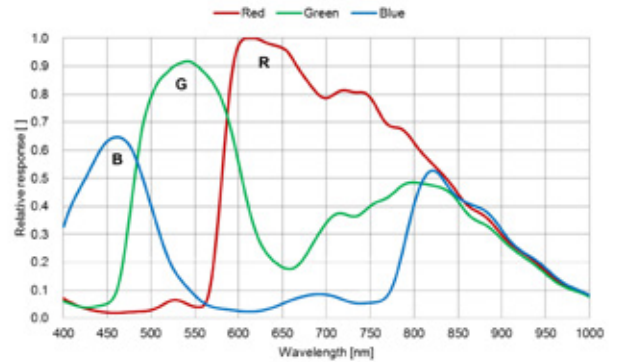
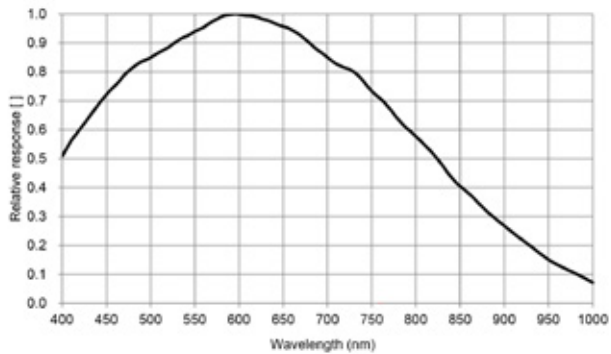
Sensor	IMX426
Resolution	812 x 620
Megapixels	0.50MP
Sensor Type	1/1.7" - 9.2mm CMOS
Max Frame Rate	1586fps @ 8-bit 900fps @ 12-bit
Cell Size	9x9µm
Standard Mount	C Mount
Shutter	Global
Bit Depth	8 & 12 bit
GPIO / Triggering	3 in, 3 out Software, External (Pulse or Edge)
Interface	10GigE SFP+
Exposure/Integration*	5µs-1s
Dynamic Range	86 dB
Monochrome Modes	Mono8, Mono12, Mono12Packed
Color Modes	RGB8, BGR8, YUV411, YUV422, YUV444
Raw Modes	BayerRG8, BayerRG12, BayerRG12Packed
Operating System	Win10 (64 bit), Linux (64 bit)
Compliance	CE, FCC, RoHS, WEEE, GigE Vision, GenICam
Power Requirements	9W, 12V
Operating Temperature	0C - 45C
Storage Temperature	-30C to +60C
Dimensions & Weight	97 x 66 x 52 - 500g
Warranty	2 Years

\*all minimum exposure specs can vary from what is listed based on the limitations of each sensor as per notice from the manufacturer.

## Mechanical drawings



## Spectral Sensitivity



Any Questions?

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