emergent
vision technologies

25GIGE BOLT

HB-500-S Series

HB-500-S-M Monochrome
HB-500-S-C Color



GiGE VISION

GEN<i>CAM

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HB-500-S: 25GigE camera with Sony Pregius IMX426

HB-500-S features the Sony Pregius IMX426 sensor. At full resolution (812x620) you get 1594.7 frames per second. Its ultra high-speed 25GigE SFP28 interface offers many benefits including low-cost accessories, low CPU overhead, low latency, low jitter, and accurate multi-camera synchronization using IEEE1588. In addition, 25GigE SFP28 offers three supported cabling options for cable lengths from 1M to 10KM.

Benefits

- High-speed 25GigE SFP28
- 25x the speed of GigE
- Ultra high data/frame rates
- GigE Vision® and GenICam™ compliant
- Optional IP67 housing

Applications

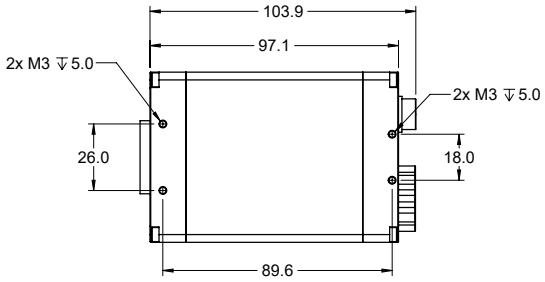
- Production Lines
- Immersive 3D Content
- Finish Line Vision
- Referee Assist

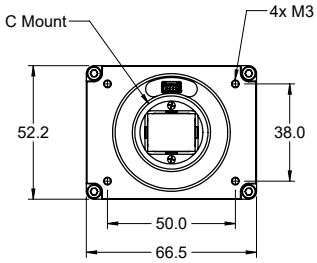
Specifications

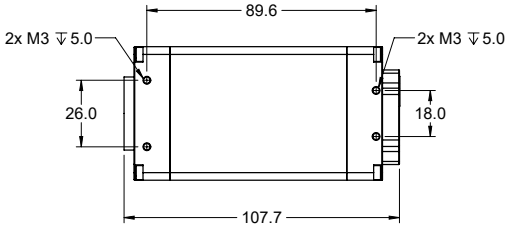
Sensor	IMX426
Resolution	812 x 620
Megapixels	0.50MP
Sensor Type	1/1.7 - 9.2mm CMOS
Max Frame Rate	1594.7fps
Cell Size	9x9µm
Standard Mount	C Mount
Shutter	Global
Bit Depth	8 & 12 bit
GPIO / Triggering	3 in, 3 out Software, External (Pulse or Edge)
Interface	25GigE SFP28
Exposure/Integration*	5µs-1s
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

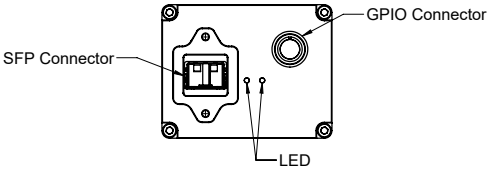
*all minimum exposure specs can vary from what is listed based on the limitations of each sensor as per notice from the manufacturer.

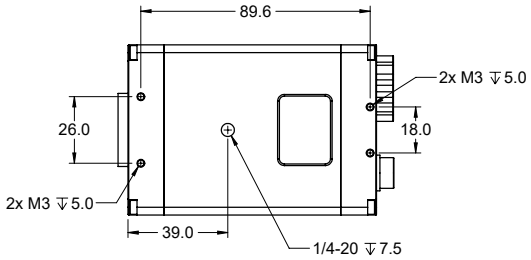
Mechanical drawings



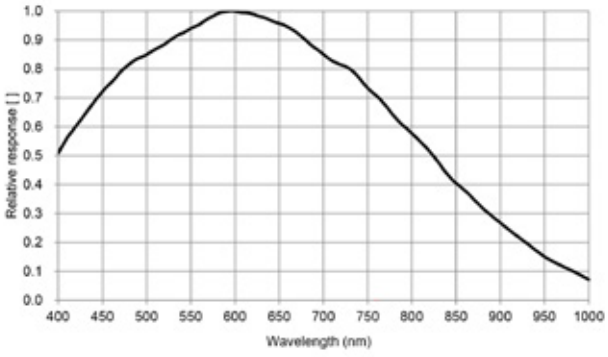


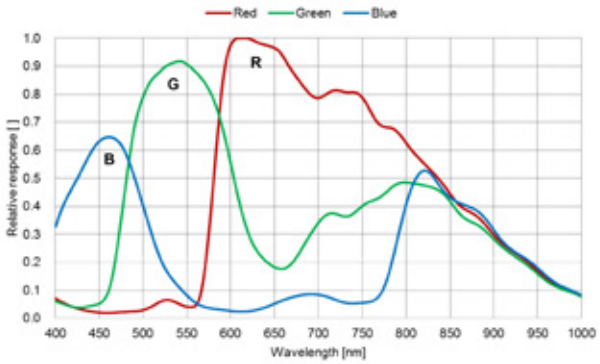






Spectral Sensitivity





Any Questions?

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