HB-9000-G Series

HB-9000-G-M Monochrome
HB-9000-G-C Color

HB-9000-G: 25GigE camera with Gpixel GMAX2509

HB-9000-G features the Gpixel GMAX2509 sensor. Benefits include low noise, high dynamic range, and high frame rates. At full resolution (4200 x 2160) you get 290 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
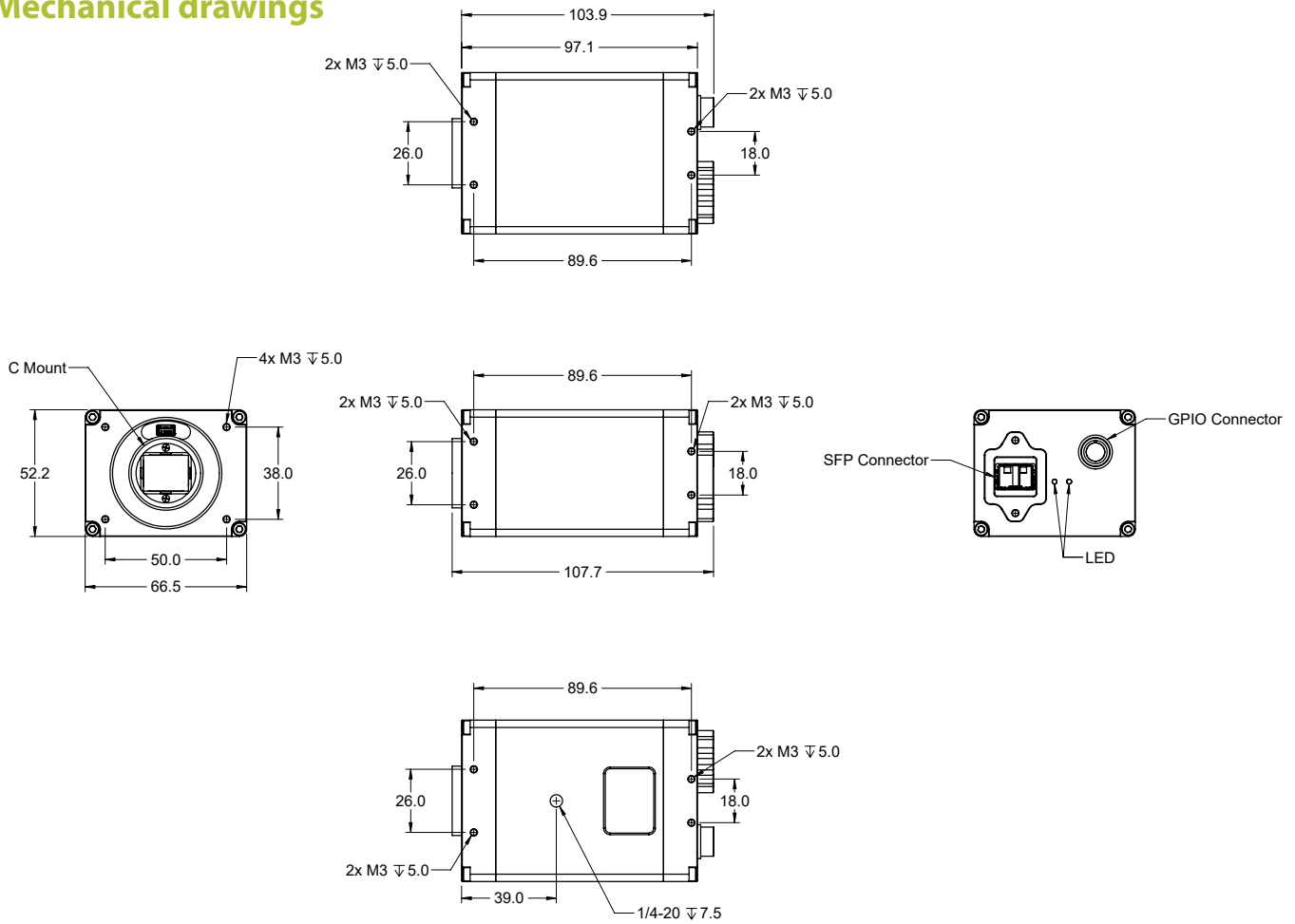- » Optional IP67 housing

Applications

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

Specifications

Sensor	GMAX2509
Resolution	4200 x 2160
Megapixels	9.07MP
Sensor Type	2/3" CMOS
Max Frame Rate	290fps
Cell Size	2.5x2.5µm
Standard Mount	C Mount
Shutter	Global
Bit Depth	8 & 10 bit
GPIO / Triggering	3 in, 3 out Software, External (Pulse or Edge)
Interface	25GigE SFP28
Exposure/Integration*	5µs-1s
Dynamic Range	>60dB @ 10bit
Monochrome Modes	Mono8, Mono10, Mono10Packed
Color Modes	RGB8, BGR8, YUV411, YUV422, YUV444
Raw Modes	BayerGB8, BayerGB10, BayerGB10Packed
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

Spectral Response

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