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25GIGE BOLT

HB-25000-G Series

HB-25000-G-M Monochrome
HB-25000-G-C Color

GiGE VISION

GEN<i>CAM

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HB-25000-G: 25GigE camera with Gpixel GMAX0505

HB-25000-G features the Gpixel GMAX0505 CMOS sensor. Benefits include low noise, high dynamic range, and high frame rates. At full resolution (5120 x 5120), you get 75 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

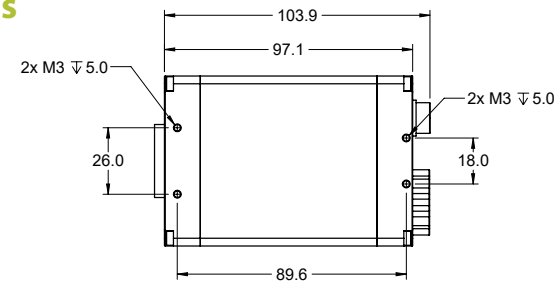
» Virtual Reality
» Goal Line Technology
» Volumetric Capture
» Motion Capture
» Immersive 3D Content
» Finish Line Vision
» Referee Assist
» Flat Panel Inspection
» Machine Vision

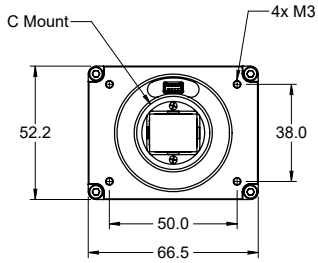
Specifications

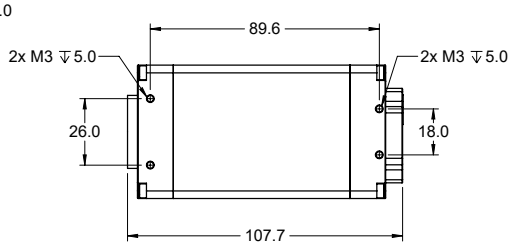
Sensor	GMAX0505
Resolution	5120 x 5120
Megapixels	26.21MP
Sensor Type	1.1” CMOS
Max Frame Rate	75fps
Cell Size	2.5x2.5µm
Standard Mount	C Mount
Shutter	Global
Bit Depth	8 & 10 Bit
GPIO / Triggering	3 in, 3 out Software, External (Pulse or Edge)
Interface	25GigE SFP28
Exposure/Integration*	5µs - 1s
Dynamic 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

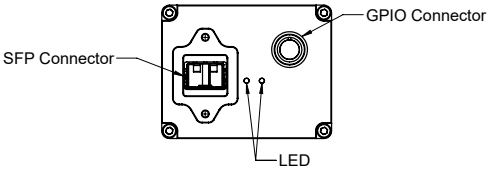
*all minimum exposure specs can vary from what is listed based on the limitations of each sensor as per notice from the manufacturer.

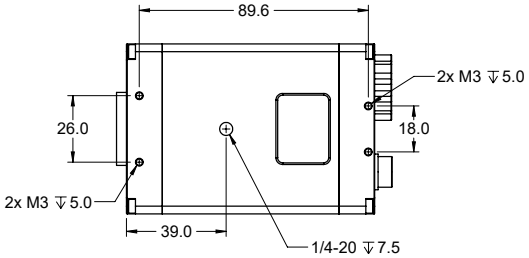
Mechanical drawings



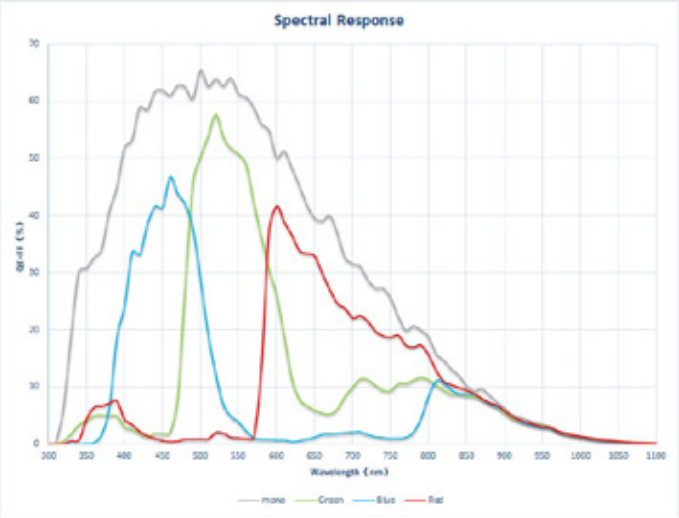








Spectral Sensitivity



株式会社アルゴ
https://www.argocorp.com
argo@argocorp.com
〒532-0003 大阪府大阪市淀川区宮原 1 丁目 2-4
新大阪第 5 ドイビル 7 F
06-6151-9283