

HZ-2000-G Series

HZ-2000-G-M Monochrome

HZ-2000-G-C Color



GiGE
VISION

GEN<i>i>CAM

HZ-2000-G: 100GigE camera with Gpixel GSPRINT4502

HZ-2000-G features the Gpixel GSPRINT4502 CMOS sensor. At full resolution (2048 x 1216), you get 3462 frames per second in 8-bit mode. Its ultra high-speed 100GigE QSFP28 interface offers many benefits including low-cost accessories, low CPU overhead, low latency, low jitter, and accurate multicamera synchronization using IEEE1588. In addition, 100GigE QSFP28 offers three supported cabling options for cable lengths from 1M to 10KM.

Benefits

- » High-speed QSFP28 - 100GigE
- » 100x the speed of GigE
- » Ultra high data/frame rates
- » GigE Vision® and GenICam™ compliant

Applications

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

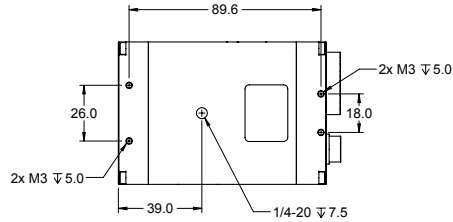
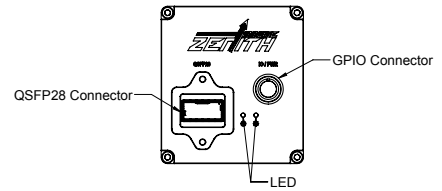
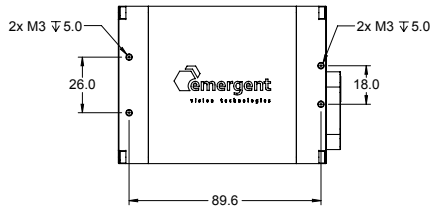
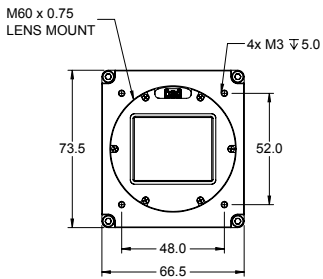
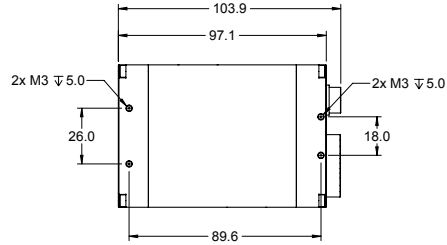
Specifications

Sensor	GSPRINT4502
Resolution	2048 x 1216
Megapixels	2.5MP
Sensor Type	2/3" CMOS
Max Frame Rate	3462fps @ 8-bit 1782fps @ 10-bit
Cell Size	4.5x4.5µm
Standard Mount	C Mount, EF/F Mount Available
Shutter	Global
Bit Depth	8 & 10 Bit
GPIO / Triggering	3 in, 3 out Software, External (Pulse or Edge)
Interface	100GigE QSFP28
Exposure/Integration*	1µs - 1s
Dynamic Range	>66db
Monochrome Modes	Mono8, Mono10, Mono10Packed
Raw Modes	BayerGB8, BayerGB10, BayerGB10Packed
Operating System	Win10 (64 bit), Linux (64 bit)
Compliance	CE, FCC, RoHS, WEEE, GigE Vision, GenICam
Power Requirements	18W, 12V
Operating Temperature	0C - 45C
Storage Temperature	-30C to +60C
Dimensions & Weight	97 x 66 x 73 - 750g
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.

*fanless and IP67 options available. Please contact your sales representative for details.

Mechanical drawings



Any Questions?

1-866-780-6082

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<https://emergentvisiontec.com>