

HZ-12000-SB

100GigE-QSFP28 camera with Sony IMX926



GiGE
VISION

GEN< i >CAM

Product Description

HZ-12000-SB features the Sony Pregius S IMX926 CMOS sensor. At full resolution 12.4MP (4128 x 3008), you get 662 frames per second in 8-bit mode, 588fps in 10-bit model and 318fps in 12-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 1 meter to 10 kilometers.

Key Benefits

- » High-speed 100GigE QSFP28
- » RoCE v2, RDMA, GigEVision® 3.0 firmware available. GenICam™ compliant.
- » 100x the speed of GigE
- » Ultra high data/frame rates

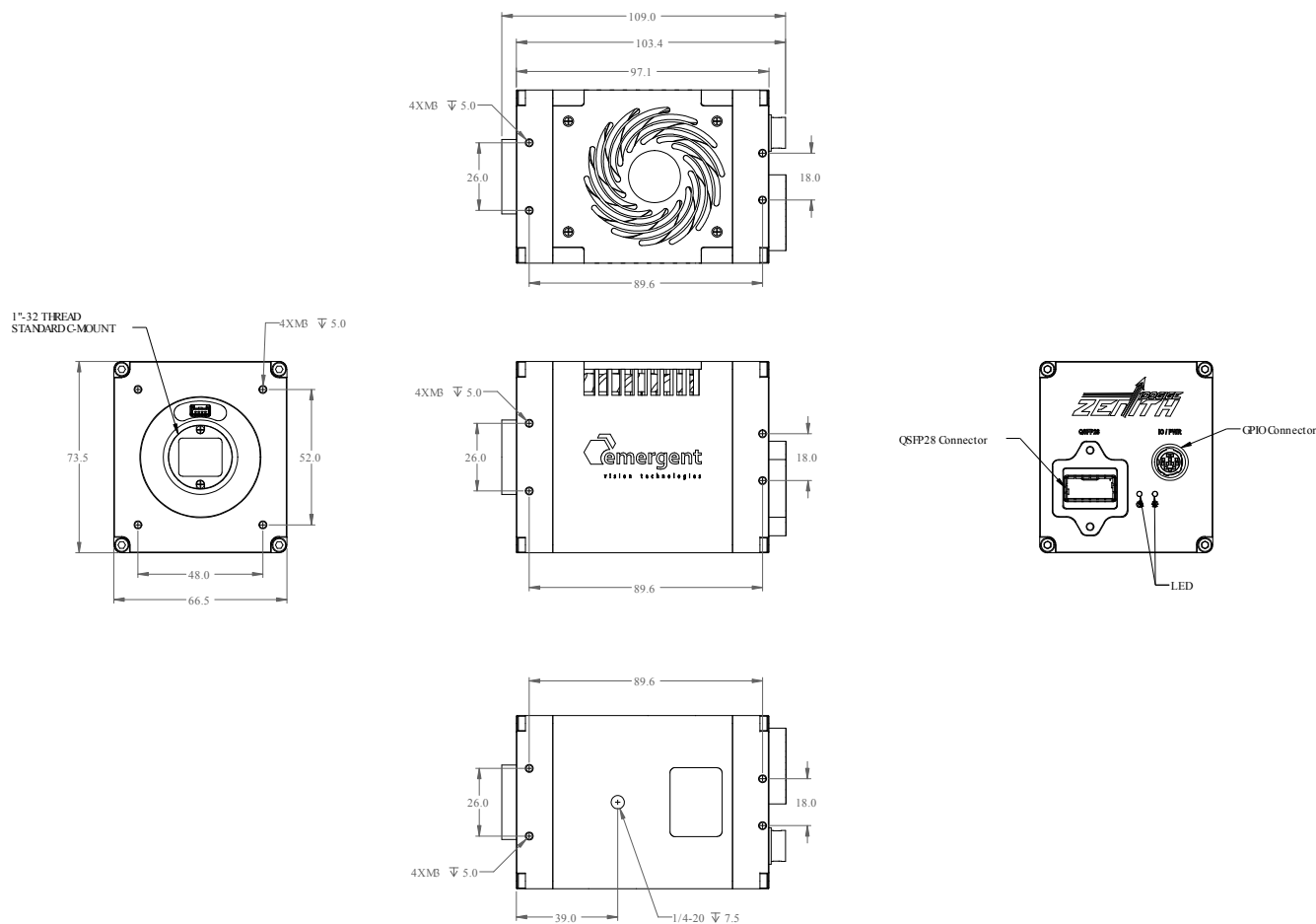
Applications

- » Virtual Reality
- » Goal Line Technology
- » Volumetric Capture
- » Motion Capture
- » Immersive 3D Content

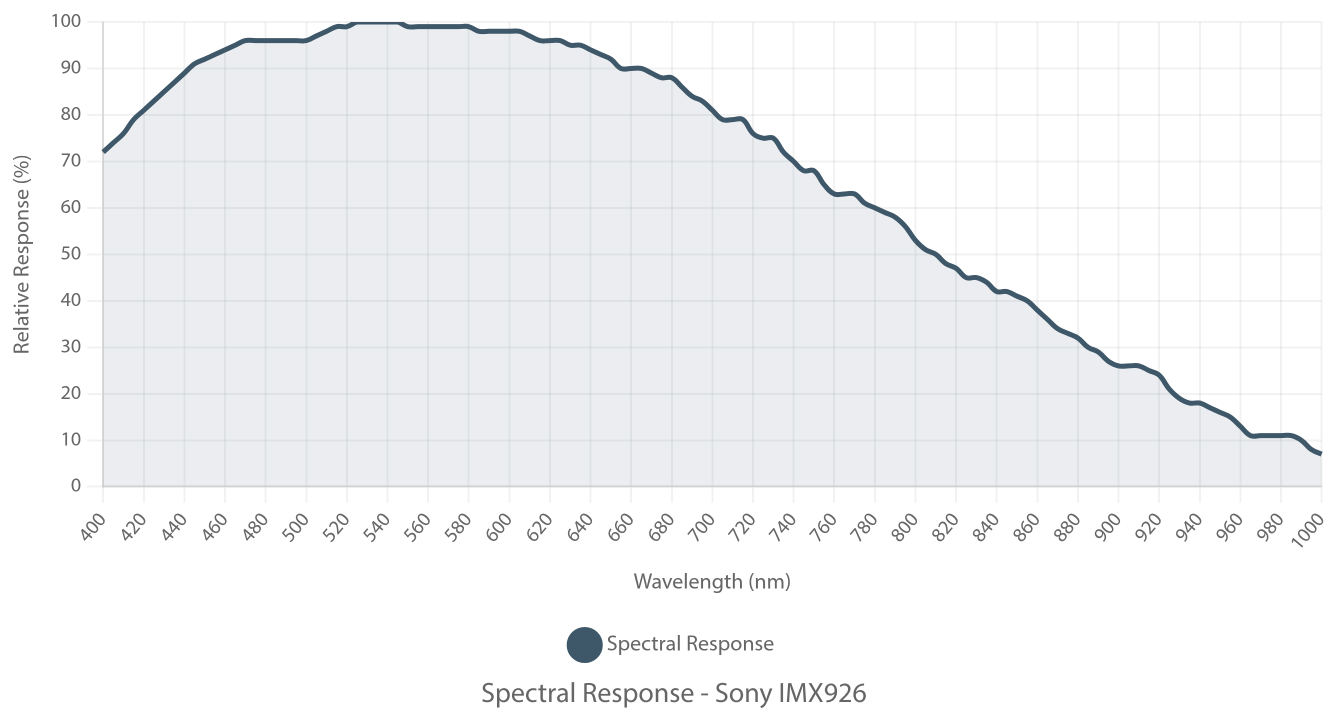
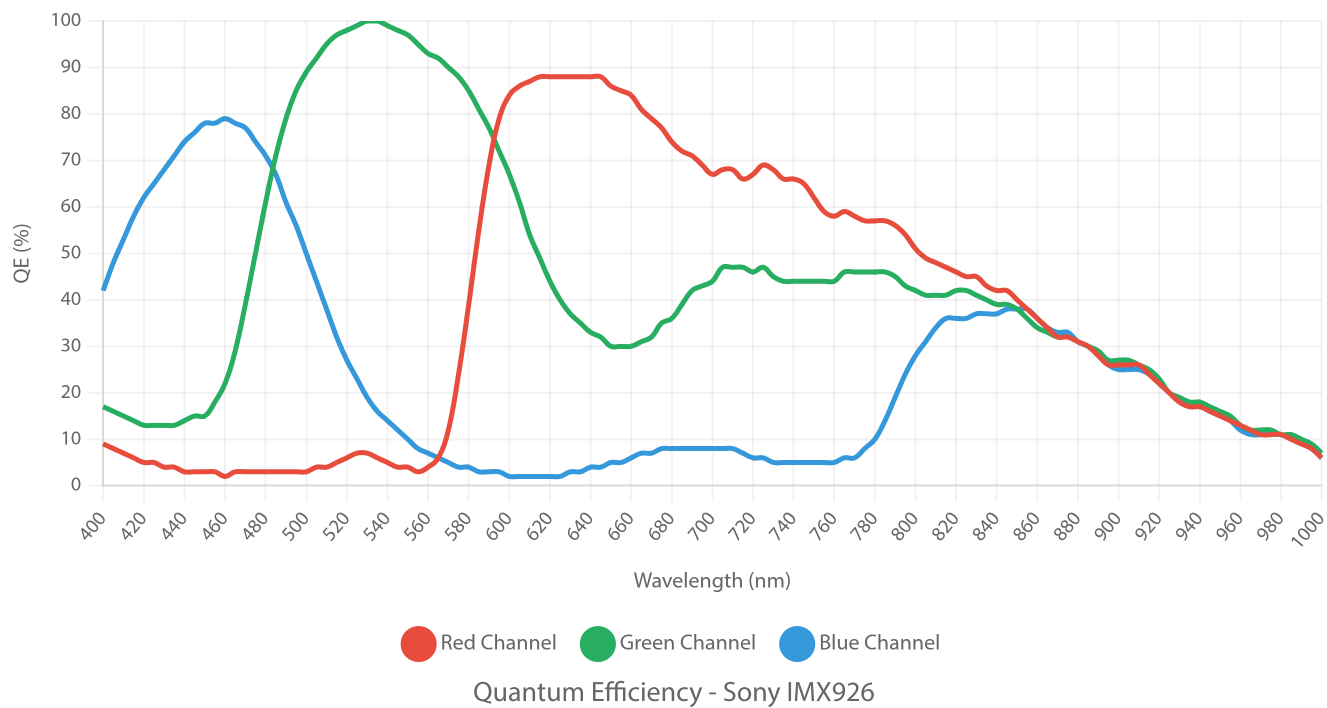
Specifications

Sensor	Sony IMX926
Resolution	4128 x 3008
Megapixels	12.4MP
Sensor Type	14mm CMOS (1/1.1)
Max Frame Rate	662fps (8-bit) 587fps (10-bit) 316fps (12-bit)
Cell Size	2.74 x 2.74µm
Standard Mount	C Mount, RF Mount, EF/F Mount
Shutter	Global
Bit Depth	8, 10, 12-bit
GPIO / Triggering	3 in, 3 out, Software, External (Pulse or Edge)
Interface	100GigE-QSFP28
Exposure/Integration	1µs - 1s
Dynamic Range	60 dB
Monochrome Modes	Mono8, Mono10, Mono10Packed, Mono12, Mono12Packed
Raw Modes	BayerRG8, BayerRG10, BayerRG10Packed, BayerRG12, BayerRG12Packed
Operating System	Windows (64-bit), Linux (64-bit)
Vision Standards	GigE Vision 3.0, RDMA, RoCEv2, GenICam
Regulatory	CE, FCC, RoHS, WEEE
Power Requirements	18W (12V)
Operating Temperature	-20°C to 50°C
Storage Temperature	-30°C to 60°C
Dimensions & Weight	97 x 66 x 73mm – 750g
Warranty	3 Years

Mechanical Drawing



Technical Details



Contact Us

Any Questions? Get in touch with us today and our team of imaging professionals will be pleased to assist you.

Phone: 1-866-780-6082

Email: sales@emergentvisiontec.com