

HE-20000-SB

1, 2.5, 5, 10GigE camera with Sony IMX531



Product Description

HE-20000-SB features the Sony Pregius S IMX531 sensor. The Sony Pregius S technology features back-illuminated pixel structure that delivers distortion-free, high imaging performance and miniaturization. At full resolution (4504 x 4504) you get up to 59 frames per second. Its high-speed 1, 2.5, 5, 10GigE interface offers many benefits including low-cost accessories, low CPU overhead, low latency, low jitter, and accurate multi-camera synchronization using IEEE1588. In addition, 1, 2.5, 5, 10GigE offers three supported cabling options for cable lengths from 1M to 10KM.

Key Benefits

- » High-speed 1, 2.5, 5, 10GigE
- » RoCE v2, RDMA, GigE Vision® 3.0 firmware available. GenICam™ compliant.
- » Back-illuminated pixel structure
- » 1, 2.5, 5, 10x the speed of GigE
- » High data/frame rates
- » Optional IP67 housing

Applications

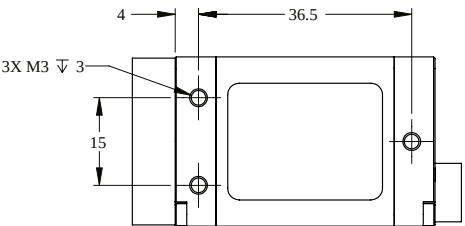
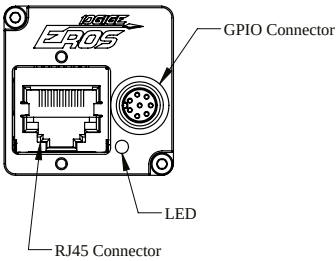
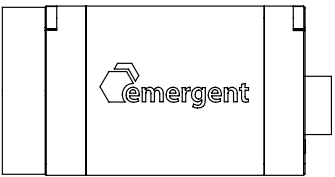
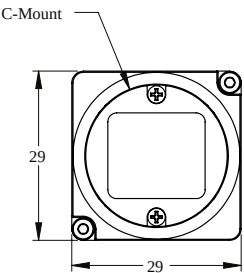
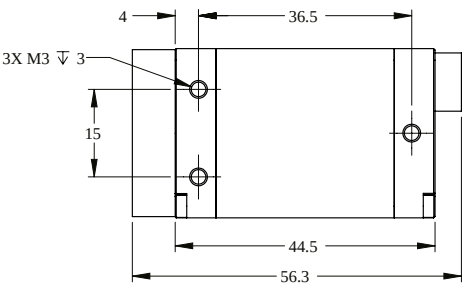
- » Industrial Inspection
- » Automation
- » Intelligent Transportation Systems
- » Logistics
- » Virtual Reality

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

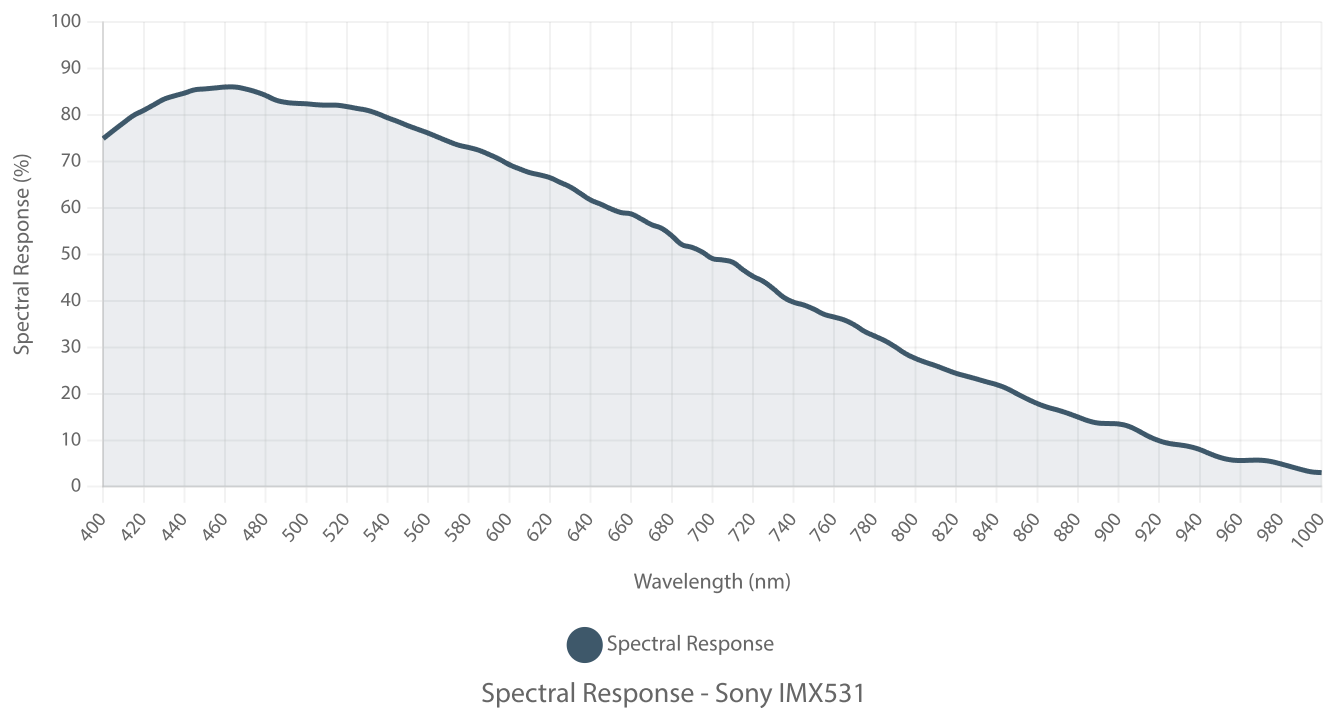
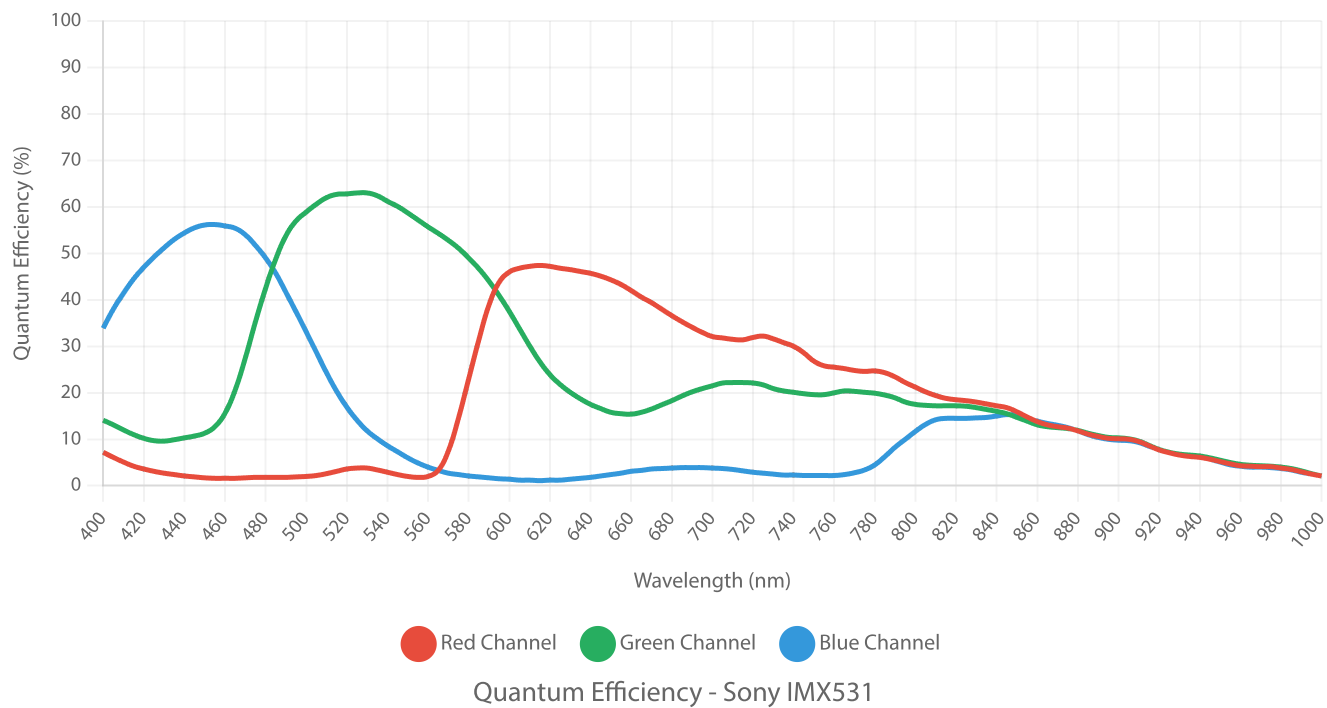
Specifications

Sensor	Sony IMX531
Resolution	4504 x 4504
Megapixels	20.3MP
Sensor Type	17.5mm CMOS (1.1)
Max Frame Rate	59fps (8-bit)
Cell Size	2.74 x 2.74µm
Standard Mount	C Mount
Shutter	Global
Bit Depth	8, 10, 12-bit
GPIO / Triggering	3 in, 2 out, Software, External (Pulse or Edge)
Interface	1, 2.5, 5, 10GigE RJ45 1, 2.5, 5, 10GigE LC FIBER SM (1310nm) / MM (850nm)
Exposure/Integration *	5µs - 1s
Dynamic Range	61.5 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	4.8 W RJ45/PoE, 4 W at 12 V without PoE, 3 W fiber
Operating Temperature	-20°C to 50°C
Storage Temperature	-30°C to 60°C
Dimensions & Weight	44.5 x 29 x 29mm – 80g
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.

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