HT-20000-S Series

HT-20000-S-M Monochrome
HT-20000-S-C Color

GiGE VISION   GEN<i>CAM

HT-20000-S: 10GigE camera with Sony IMX367

HT-20000-S features the Sony IMX387 CMOS sensor. At full resolution (4416 x 4428), you get up to 43 frames per second. With its 10GigE RJ45 interface, sleek smaller case and CAT6A connection, this camera has the familiarity of GigE but with 10x the speed. Using CAT6A cabling, you can get cable lengths from 1 meter up to 100 meters. The HT-20000-S offers multi-camera synchronization at <1µs, low CPU overhead, and excellent price-performance ratio.

Benefits

- » High-speed 10GigE RJ45
- » 10x the speed of GigE
- » Ultra high data/frame rates
- » GigE Vision® and GenICam™ compliant

Applications
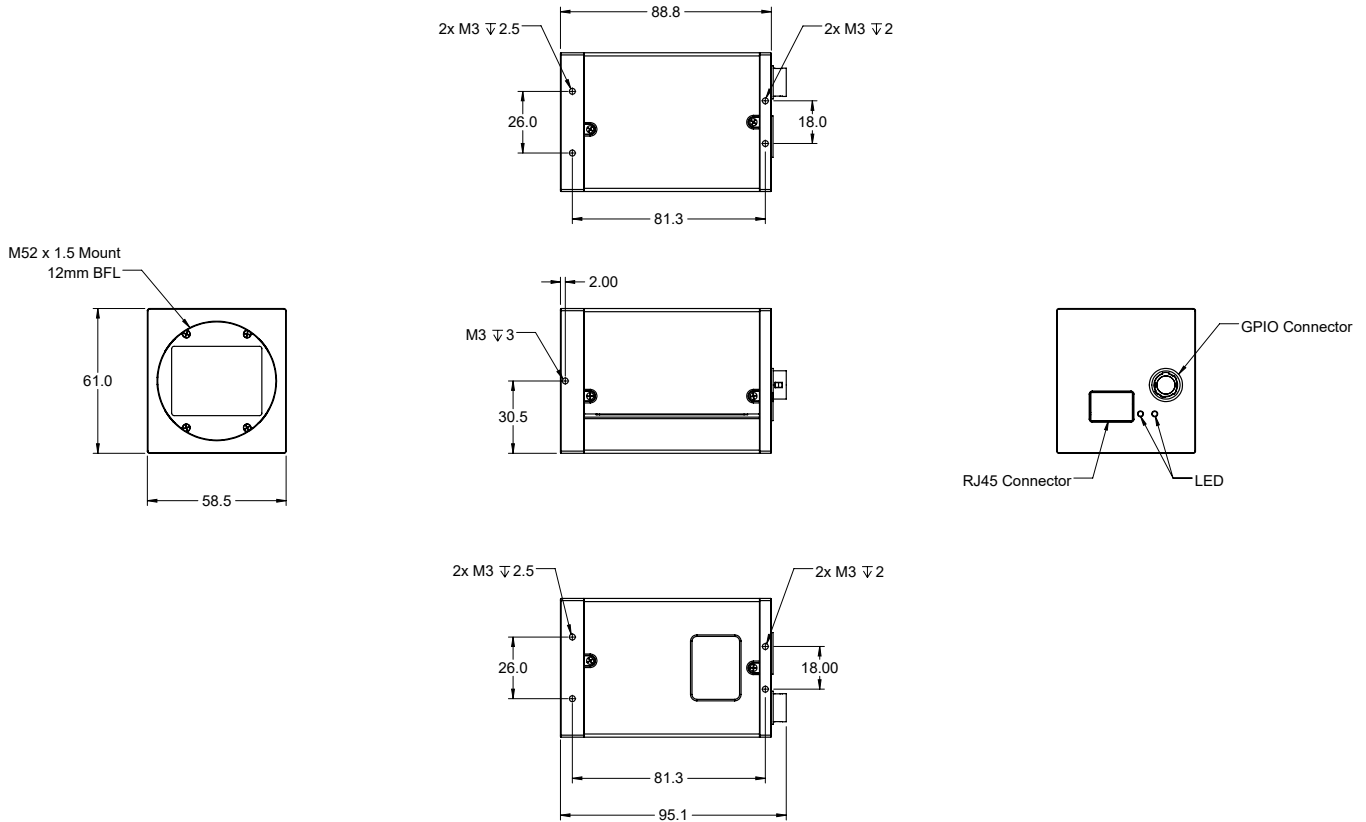
- » Virtual Reality
- » 3D Mapping
- » PCB Inspection
- » Immersive 3D Content
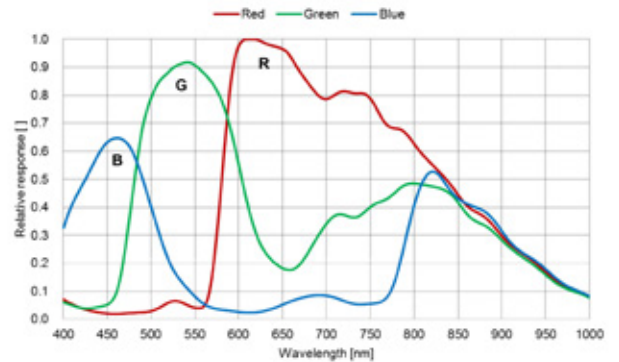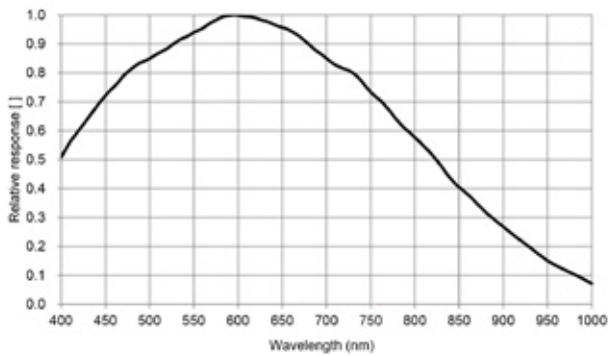- » Finish Line Vision
- » Referee Assist

Specifications

Sensor	IMX367
Resolution	4416 x 4428
Megapixels	19.5MP
Sensor Type	Four Thirds (1:1) - CMOS
Max Frame Rate	43fps @ 8-bit 28fps @ 12-bit
Cell Size	3.45x3.45µm
Standard Mount	52mm, M52x1.5x12mm BFL, F-mount Available
Shutter	Global
Bit Depth	8 & 12 Bit
GPIO / Triggering	3 in, 3 out Software, External (Pulse or Edge)
Interface	10GigE RJ45
Exposure/Integration*	35µs - 1s
Dynamic Range	71 dB
Monochrome Modes	Mono8, Mono12, Mono12Packed
Color Modes	RGB8, BGR8, YUV411, YUV422, YUV444
Raw Modes	BayerRG8, BayerRG12, BayerRG12Packed
Operating System	Win10 (64 bit), Linux (64 bit)
Compliance	CE, FCC, RoHS, WEEE, GigE Vision, GenICam
Power Requirements	8W, 12V
Operating Temperature	0C - 45C
Storage Temperature	-30C to +60C
Dimensions & Weight	88 x 58 x 60 - 405g
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

88.8

2x M3 ⤓ 2.5   2x M3 ⤓ 2

26.0   18.0

81.3

M52 x 1.5 Mount
12mm BFL

61.0

58.5

2.00

M3 ⤓ 3

30.5

GPIO Connector

RJ45 Connector   LED

2x M3 ⤓ 2.5   2x M3 ⤓ 2

26.0   18.00

81.3

95.1

Spectral Sensitivity

Any Questions?

1-866-780-6082

sales@emergentvisiontec.com