HR-5000-S Series

HR-5000-S-M Monochrome
HR-5000-S-C Color
HR-5000-S-PC Polarized-C
HR-5000-S-PM Polarized-M

GiGE VISION   GEN<i>CAM   Polarsens

5MP 10GigE Camera with Sony Pregius IMX250

HR-5000-S utilizes the Sony Pregius IMX250 2/3" CMOS sensor. At full resolution (2448x2048), you get 163 frames per second. Other benefits include high sensitivity, high frame rate, low noise, and high picture quality. The HR-5000-S offers multi-camera synchronization at <1μs, low CPU overhead, excellent price-performance ratio, and fiber cable lengths from 1M to 10KM without the need of fiber converters or repeaters.

Polarized sensor options (Sony Polarsens technology) are also available.

Benefits

» High-speed 10GigE SFP+ Interface
» 10x the speed of GigE
» GigE Vision® and Genicam™ compliant
» Optional IP67 housing

Applications

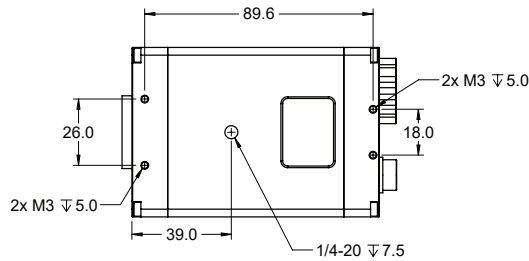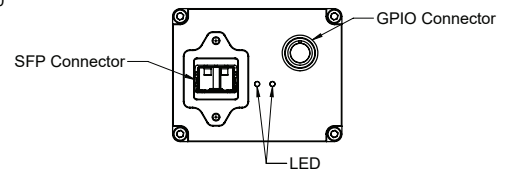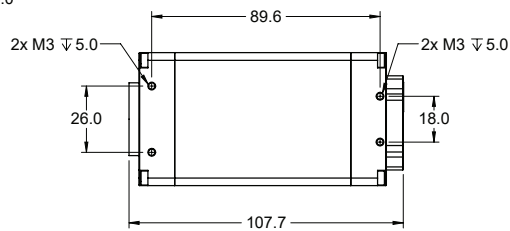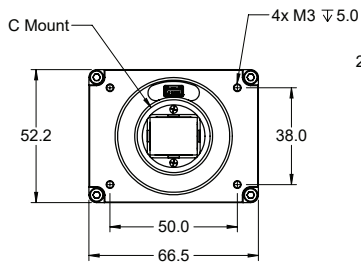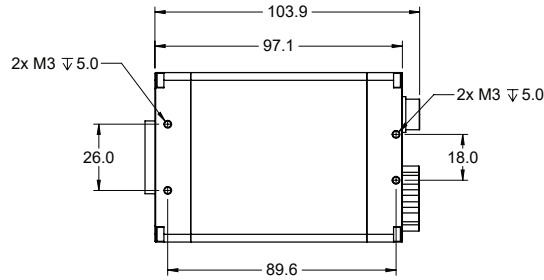» Production lines
» Immersive 3D Content
» Goal Line technology
» Finish Line Vision
» Referee Assist
» Sports, Broadcast, Entertainment
» Pharmaceutical Inspection

Specifications

Sensor	Sony IMX250LLR Sony IMX250LQR Sony IMX250MYR Sony IMX250MZR
Resolution	2448 x 2048
Megapixels	5 MP
Sensor Type	2/3" CMOS
Max Frame Rate	163 fps
Cell Size	3.45μm
Standard Mount	C Mount
Shutter	Global
Bit Depth	8 & 12 bit
GPIO / Triggering	3 in, 3 out Software, External (Pulse or Edge)
Interface	SFP+ 10GigE
Exposure/Integration*	10μs-1s
Dynamic Range	71 dB
Monochrome Modes	Mono8, Mono12, Mono12Packed
Color Modes	RGB8, BGR8, YUV411, YUV422, YUV444
Raw Modes	BayerRG8, BayerRG12, BayerRG12Packed
Operating System	Win7/8/10 (64 bit), Linux (64 bit)
Compliance	CE, FCC, RoHS, WEEE, GigE Vision, GenICam
Power Requirements	7W, 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