

HT-5000-S Series

HT-5000-S-M Monochrome

HT-5000-S-C Color

HT-5000-S-PC Polarized-C

HT-5000-S-PM Polarized-M



5MP 10GigE Camera with Sony Pregius IMX250

HT-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. With its 10GBaseT 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-5000-S offers multi-camera synchronization at <math><1\mu\text{s}</math>, low CPU overhead, and excellent price-performance ratio.

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

Benefits

- » High-speed RJ45 10GBaseT interface
- » 10x the speed of GigE
- » GigE Vision® and Genicam™ compliant

Applications

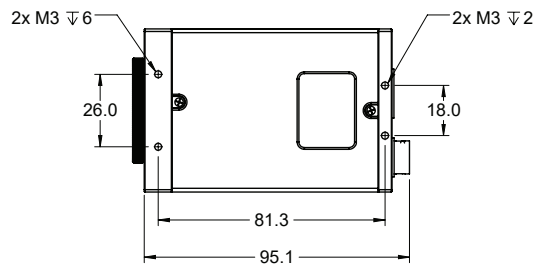
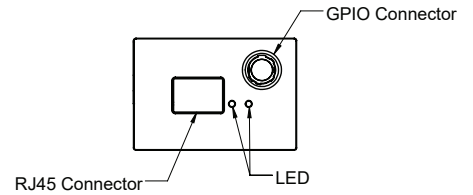
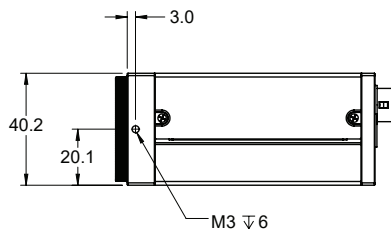
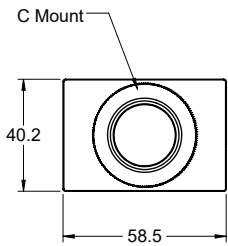
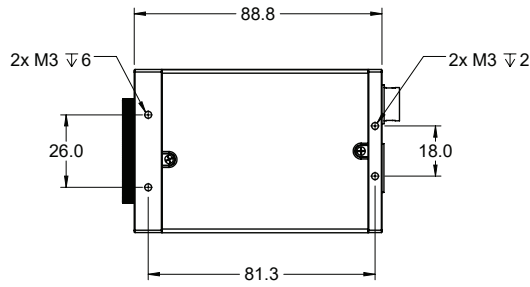
- » Production lines
- » Microscopy Imaging

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	RJ45 10GBaseT
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	9W, 12V
Operating Temperature	0C- 45C
Storage Temperature	-30C to +60C
Dimensions & Weight	88 x 58 x 39 - 275g
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

