

# HT-12000-S Series

**HT-12000-S-M Monochrome**

**HT-12000-S-C Color**

**HT-12000-S-PC Polarized-C**

**HT-12000-S-PM Polarized-M**



## 12MP 10 GigE Camera with Sony Pregius IMX253

The HT-12000-S utilizes the Sony Pregius IMX253 1.1" sensor. At full resolution (4096 x 3000), you get 80 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-12000-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

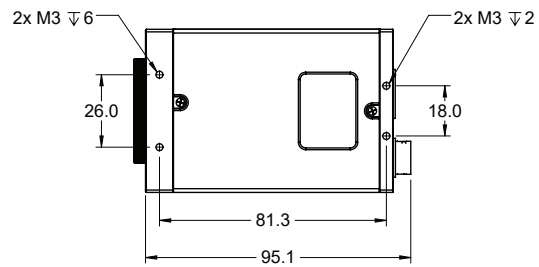
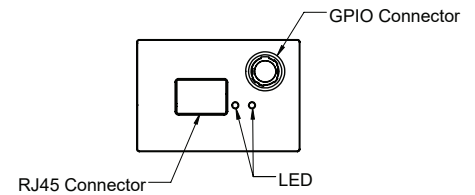
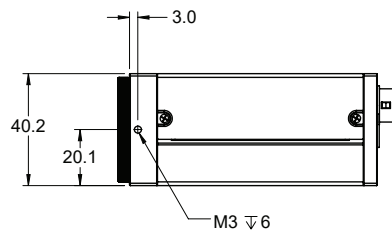
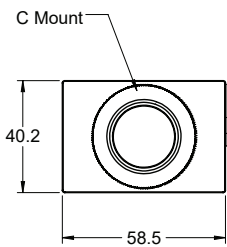
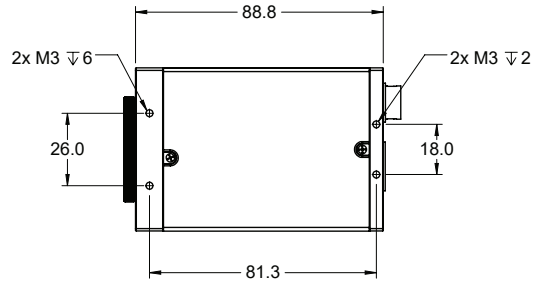
- » Virtual reality
- » Microscopy Imaging
- » UAV

## Specifications

Sensor	Sony IMX253LLR Sony IMX253LQR Sony IMX253MYR Sony IMX253MZR
Resolution	4096 x 3000
Megapixels	12 MP
Sensor Type	1.1" CMOS
Max Frame Rate	80 fps
Cell Size	3.45 $\mu\text{m}$
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*	10 $\mu\text{s}$ -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

