

HT-7000-S Series

HT-7000-S-M Monochrome

HT-7000-S-C Color



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GEN<i>i>CAM

HT-7000-S: 10GigE camera with Sony Pregius IMX420

HT-7000-S features the Sony Pregius IMX420 sensor. Benefits include low noise, high picture quality, and high frame rates. At full resolution (3208 x 2200) you get up to 170 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-7000-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

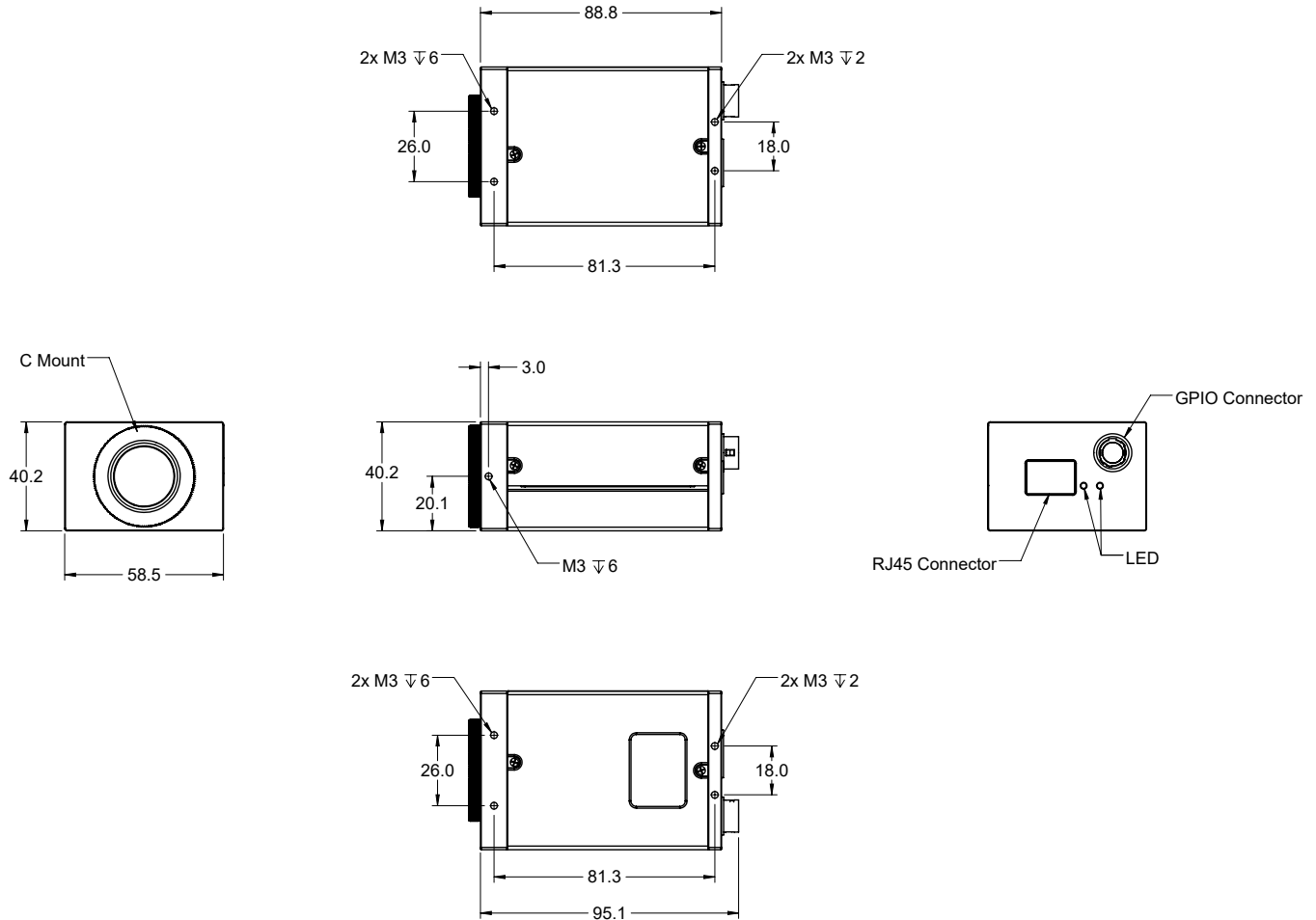
- » Production Lines
- » Motion Capture
- » Food Sorting and Grading
- » PCB Inspection
- » Metrology
- » Immersive 3D Content
- » Finish Line Vision
- » Referee Assist

Specifications

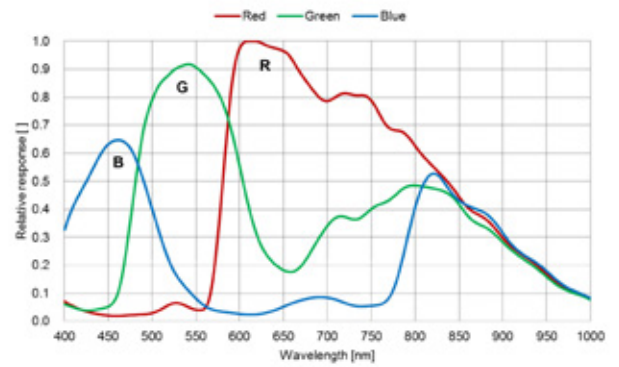
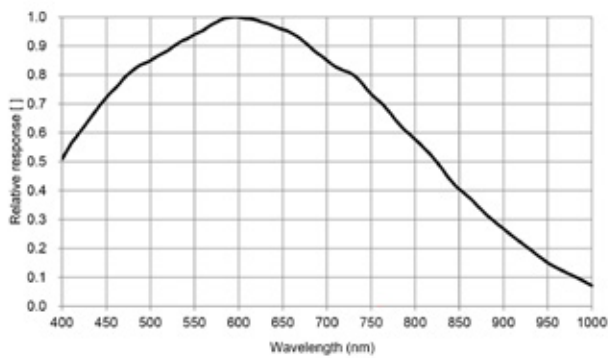
Sensor	IMX420
Resolution	3208 x 2200
Megapixels	7.06MP
Sensor Type	1.1" - 17.6mm CMOS
Max Frame Rate	170fps @ 8-bit 110fps @ 12-bit
Cell Size	4.5x4.5μm
Standard Mount	C Mount
Shutter	Global
Bit Depth	8 & 12 bit
GPIO / Triggering	3 in, 3 out Software, External (Pulse or Edge)
Interface	10GigE RJ45
Exposure/Integration*	5μs-1s
Dynamic Range	74 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	9W, 12V
Operating Temperature	0C - 45C
Storage Temperature	-30C to +60C
Dimensions & Weight	88 x 58 x 39 - 27
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



Any Questions?

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