

HT-20000 Series

HT-20000-M Monochrome

HT-20000-C Color



GiGE
VISION

GEN<i>CAM

HT-20000: 10GigE camera with CMV20000 CMOS Sensor

HT-20000 features the 35mm full frame optical format CMV20000 sensor by AMS. At full resolution (5120x3840), you get 32 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 offers multi-camera synchronization at <math><1\mu s</math>, 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

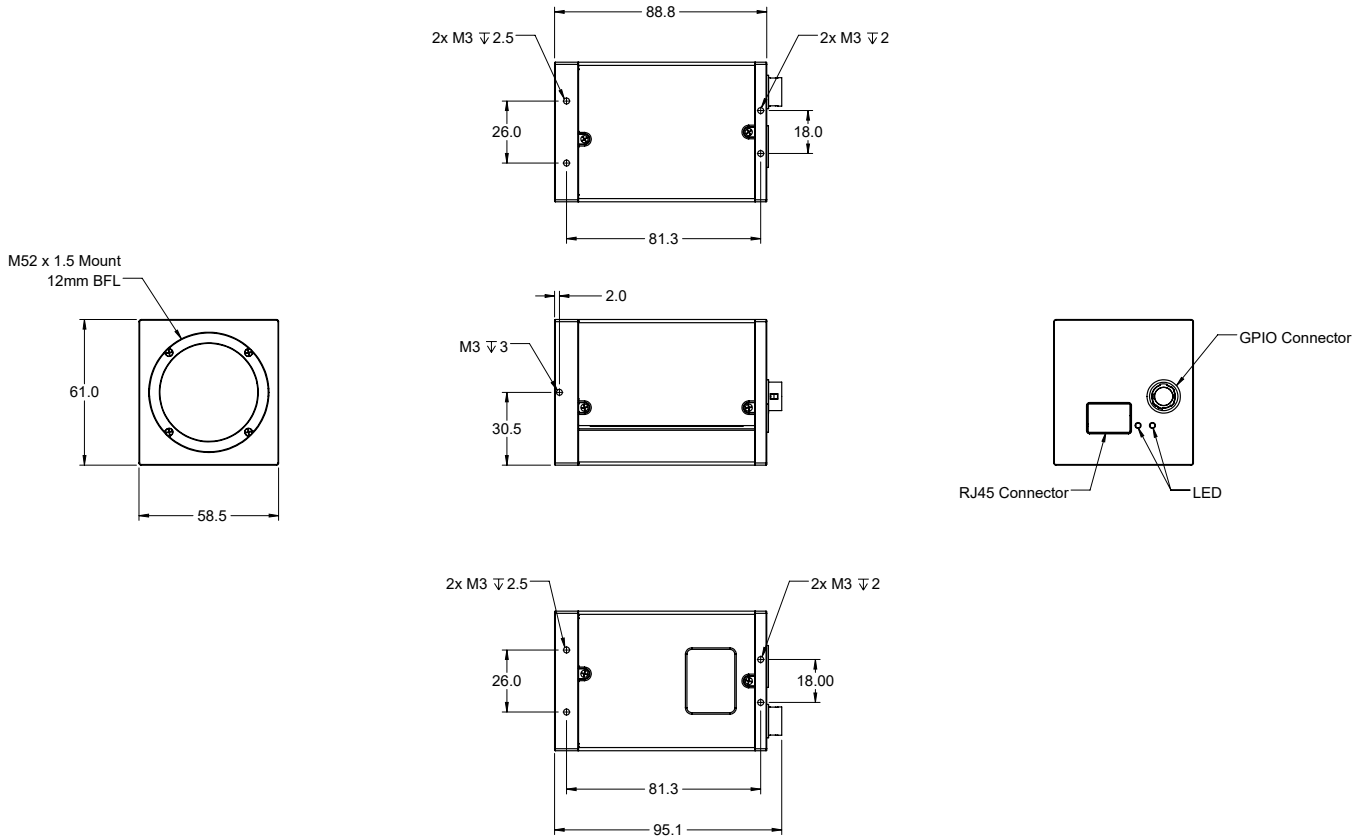
- » Pharmaceutical Pill Sorting
- » PCB Solder Inspection Machines
- » Amusement Attraction Photography
- » Virtual Reality
- » 4D Reconstruction
- » Volumetric Capture
- » Motion Capture
- » Microscopy Imaging
- » Player Analytics
- » Transportation Logistics Imaging
- » Immersive 3D Content
- » Goal Line technology
- » Finish Line Vision
- » Referee Assist
- » Sports, Broadcast, Entertainment
- » Pharmaceutical Inspection

Specifications

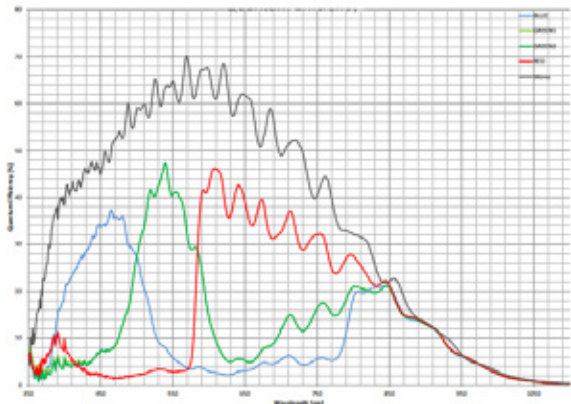
Sensor	CMV20000
Resolution	5120 x 3840
Megapixels	20MP
Sensor Type	35mm CMOS
Max Frame Rate	32fps
Cell Size	6.4x6.4µm
Standard Mount	52mm, M52x1.5x12mm BFL, F-mount Available
Shutter	Global
Bit Depth	8 & 10 bit
GPIO / Triggering	3 in, 3 out Software, External (Pulse or Edge)
Interface	10GigE RJ45
Exposure/Integration*	10µs-1s
Dynamic Range	60 dB
Monochrome Modes	Mono8, Mono10, Mono10Packed
Color Modes	RGB8, BGR8, YUV411, YUV422, YUV444
Raw Modes	BayerRG8, BayerRG10, BayerRG10Packed
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 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



Spectral Sensitivity



Any Questions?

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