

HT-50000 Series

HT-50000-M Monochrome

HT-50000-C Color



50MP 10GigE Camera with CMV50000 CMOS Sensor

HT-50000 features the 35mm full frame optical format CMV50000 sensor by AMS. At full resolution (7920x6004), you get 23 frames per second at full resolution. Other benefits include low noise and high sensitivity. 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-50000 offers multi-camera synchronization at <math><1\mu s</math>, low CPU overhead, and excellent price-performance ratio.

Benefits

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

Applications

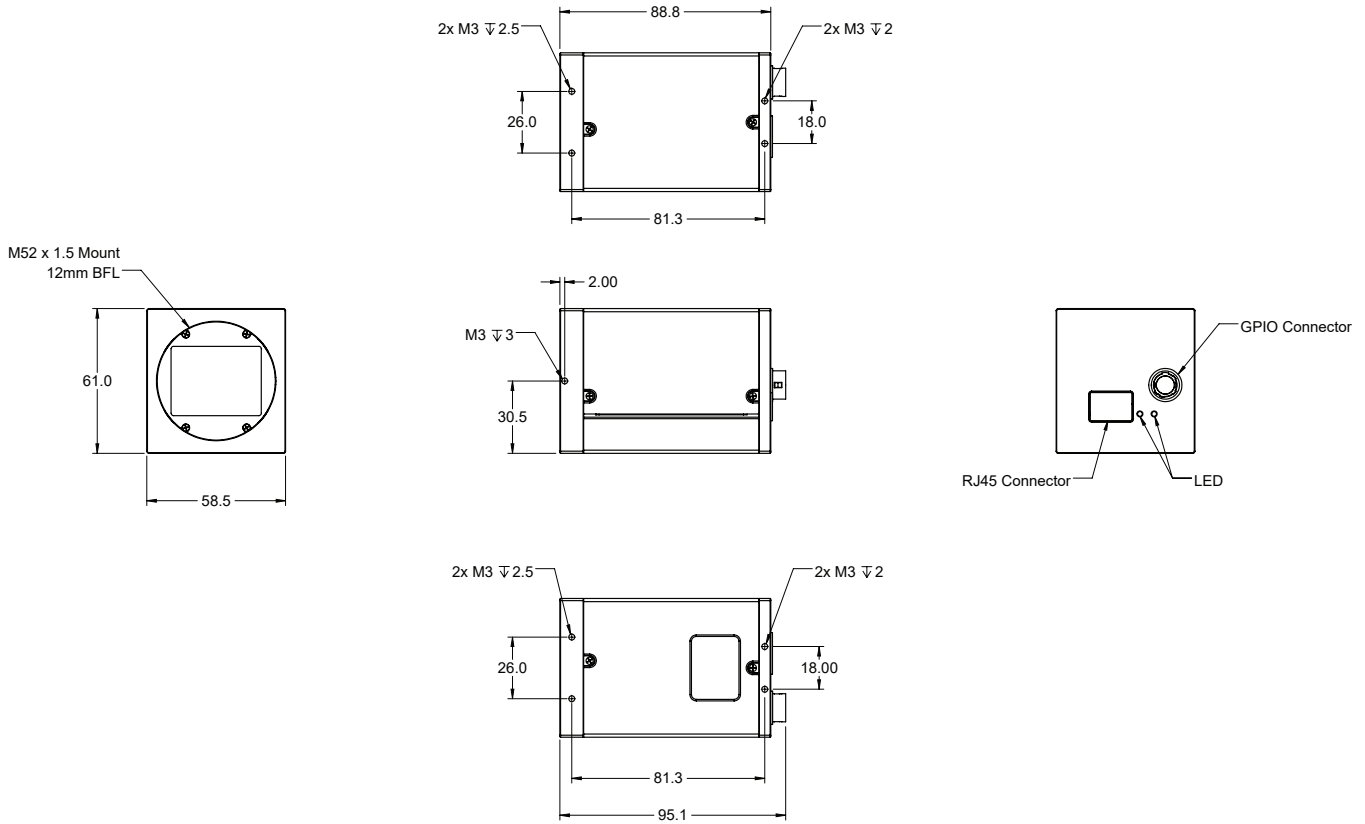
- » Aerial surveillance

Specifications

Sensor	CMV50000
Resolution	7920 x 6004
Megapixels	50 MP
Sensor Type	35mm CMOS
Max Frame Rate	23 fps
Cell Size	4.6µm square
Standard Mount	52mm, M52x1.5x12mm BFL, F-mount Available
Shutter	Global
Bit Depth	8 or 12 bits
GPIO / Triggering	3 in, 3 out Software, External (Pulse or Edge)
Interface	RJ45 10GBaseT
Exposure/Integration*	100µs-1s
Dynamic Range	64 dB
Monochrome Modes	Mono8, Mono12, Mono12Packed
Color Modes	RGB8, BGR8, YUV411, YUV422, YUV444
Raw Modes	BayerBG8, BayerBG12, BayerBG12Packed
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

