

HT-12000 Series

HT-12000-M Monochrome

HT-12000-C Color



GiGE
VISION

GEN<i>i>CAM

HT-12000: 10GigE camera with AMS CMV12000

HT-12000 features the CMV12000 CMOS sensor by AMS. Benefits include high resolution, high speed and overall high performance. At full resolution (4096 x 3072), you get 84 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-12000 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

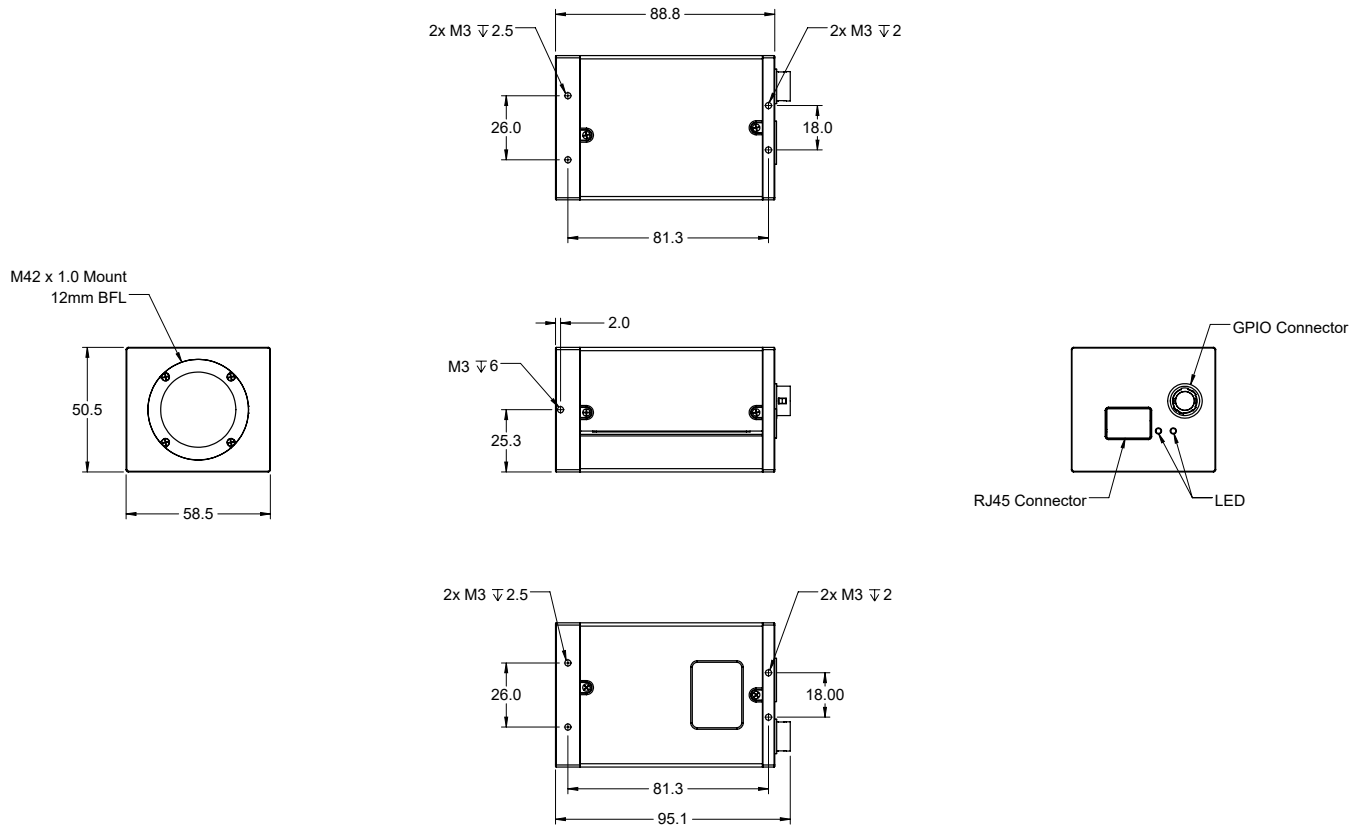
- » Virtual Reality
- » Microscopy Imaging
- » UAV

Specifications

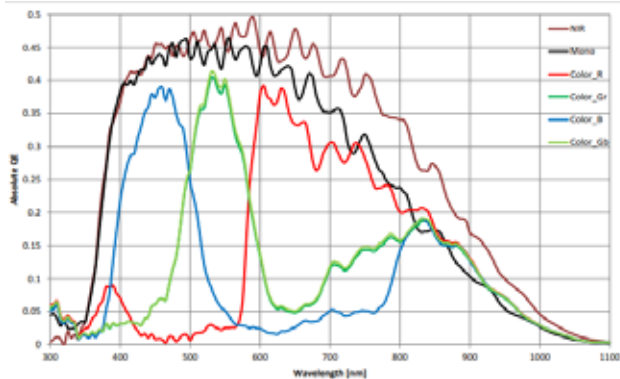
| | |
|-----------------------|--|
| Sensor | CMV12000 |
| Resolution | 4096 x 3072 |
| Megapixels | 12MP |
| Sensor Type | 28mm CMOS |
| Max Frame Rate | 84fps |
| Cell Size | 5.5x5.5µm |
| Standard Mount | M42x1x12mm BFL, Optional F Mount Available |
| Shutter | Global |
| Bit Depth | 8 & 10 bit |
| 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 | BayerGR8, BayerGR10, BayerGR10Packed |
| 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 50 - 340g |
| 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?

1-866-780-6082

sales@emergentvisiontec.com

<https://emergentvisiontec.com>