

HT-12000 Series

HT-12000-M Monochrome

HT-12000-C Color



12MP 10GigE Camera with CMV12000 CMOS Sensor

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 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 offers multi-camera synchronization at <math><1\mu\text{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

- » Virtual reality
- » Microscopy Imaging
- » UAV

Specifications

Sensor	CMV12000
Resolution	4096 x 3072
Megapixels	12 MP
Sensor Type	28mm CMOS
Max Frame Rate	84 fps
Cell Size	5.5µm square
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	RJ45 10GBaseT
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.

