

HR-12000-M Monochrome  
HR-12000-C Color  
HR-12000-N Near IR



High Speed 10GigE SFP+ Interface  
10x the Speed of GigE  
Cable lengths from 1M to 10KM  
No Fiber Converters Needed  
No Frame Grabbers  
GigE Vision Compliant



## 10GIGE CAMERAS

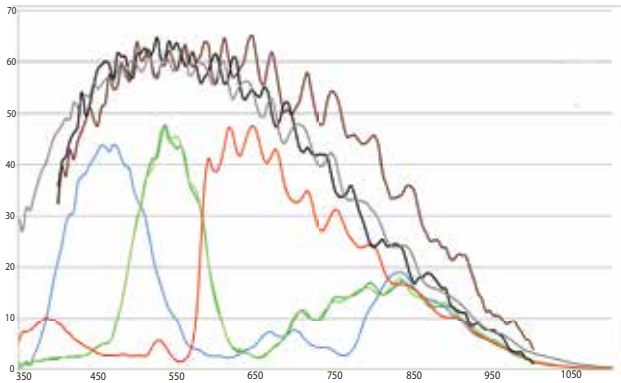
Speed is Everything.

# HR-12000 SERIES - 12MP

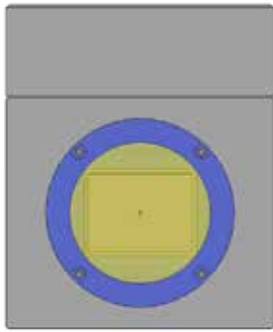
HR-12000-M MONOCHROME / HR-12000-C COLOR  
HR-12000-N NEAR IR



Quantum Efficiency



Front View Dimensions



58mm

Side View Dimensions



70mm

97mm

\*Heat fins shown are an optional accessory  
Please refer to 3d Mechanicals available  
to download from our website for exact  
measurements

## APPLICATIONS

Broadcast Sports Technology  
Intelligent Traffic Systems  
Food and Beverage Inspection  
Diagnostic Analysis  
Semiconductor  
Automotive  
Medical Imaging

## EMERGENT VISION TECHNOLOGIES

7-11720 Stewart Crescent  
Maple Ridge, British Columbia, V2X 9E7 Canada  
Ph: 1-866-780-6082 E-Mail: sales@emergentvisiontec.com  
emergentvisiontec.com

Sensor	CMV12000
Resolution	4096 x 3072
Megapixels	12MP
Sensor Type	28mm CMOS
Max Frame Rate	84fps
Cell Size	5.5µm square
Standard Mount	M42x1x12mm BFL, Optional F Mount Available
Shutter	Global
Bit Depth	8 or 10 Bit
GPIO / Triggering	2 in, 4 out Software, External (Pulse or Edge)
Interface	SFP+ 10GigE
*Exposure/Integration	10µs-1s
Dynamic Range	60 dB
Digital Output	8, 10 bit
Monochrome Modes	Mono8, Mono10
Color Modes	RGB8, YUV411, YUV422, YUV444, BGR8
Raw Modes	BayerRG8, BayerRG10
Frame Buffer	20 frames (8bpp, Full Frame)
Memory	500MB DDR2, 125MP NOR FLASH
Operating System	Windows 7/8, Linux (64bit)
Compliance	CE, FCC, RoHS, WEEE, GigE Vision, GenICam
Power Requirements	9W, 12V
Operating Temperature	0C - 45C
Storage Temperature	-30C to +60C
Dimensions & Weight	97x58x70 - 350g
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.