

HR-4000-M Monochrome
HR-4000-C Color
HR-4000-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



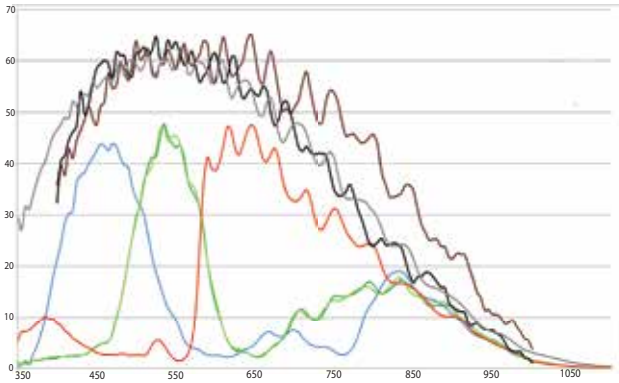
HR-4000 SERIES - 4MP

HR-4000-M MONOCHROME / HR-4000-C COLOR

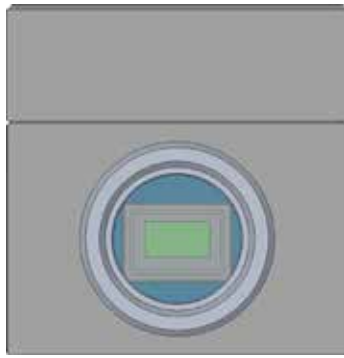
HR-4000-N NEAR IR



Quantum Efficiency



Front View Dimensions



58mm

Side View Dimensions



59mm

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
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Ph: 1-866-780-6082
E-Mail: sales@emergentvisiontec.com
emergentvisiontec.com

Sensor	CMV4000
Resolution	2048x2048
Megapixels	4MP
Sensor Type	1" CMOS
Max Frame Rate	179fps
Cell Size	5.5µm square
Standard Mount	C Mount
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, Mono10Packed
Color Modes	RGB8, RBB10 YUV411, YUV422, YUV444, BGR8, BGR10
Raw Modes	BayerRGB, BayerRG10
Frame Buffer	60 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	97x58x59 - 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.