emergent
vision technologies

HR-20000-M Monochrome
HR-20000-C Color

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
Smaller Form Factor then HS Line

GiGE VISION
GEN<i>CAM

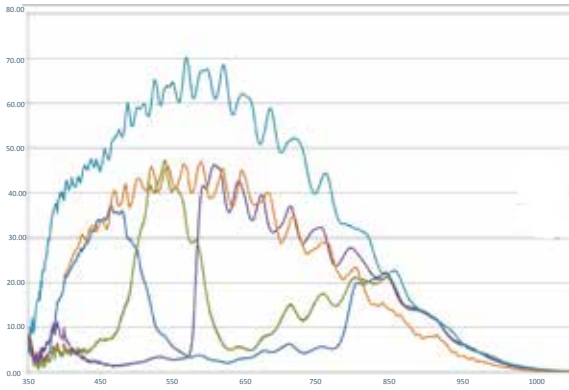# 10GIGE CAMERAS
Speed is Everything.
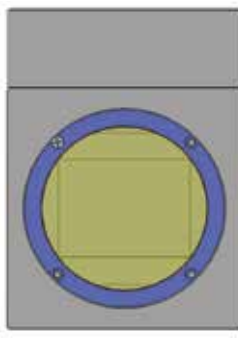
HR-20000 SERIES - 20MP
HR-20000-M MONOCHROME / HR-20000-C COLOR

QE & Spectral Response

Front View Dimensions

58mm

Side View Dimensions

80mm

97mm

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

EMERGENT VISION TECHNOLOGIES
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emergentvisiontec.com

Sensor	CMV20000
Resolution	5120x3840
Megapixels	20MP
Sensor Type	35mm CMOS
Max Frame Rate	32fps
Cell Size	6.4μm square
Standard Mount	52mm, M52x1.5x12mm BFL, 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	BayerRGB, BayerRG10
Frame Buffer	5 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	97x58x80 - 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.