emergent

vision technologies

25 GIGE BOLT SERIES

HB-12000-M Monochrome
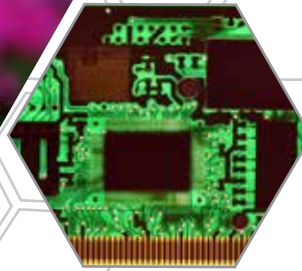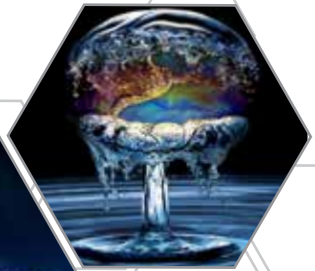HB-12000-C Color
HB-12000-N Near IR
PRELIMINARY

25 GIGE BOLT

High Speed 25 GigE SFP28 Interface
25x the Speed of GigE
Cable lengths from 1M to 10KM
No Fiber Converters Needed
No Frame Grabbers
GigE Vision Compliant

GiGE VISION

GEN<i>CAM

25 GIGE CAMERAS

Speed is Everything.

PRELIMINARY

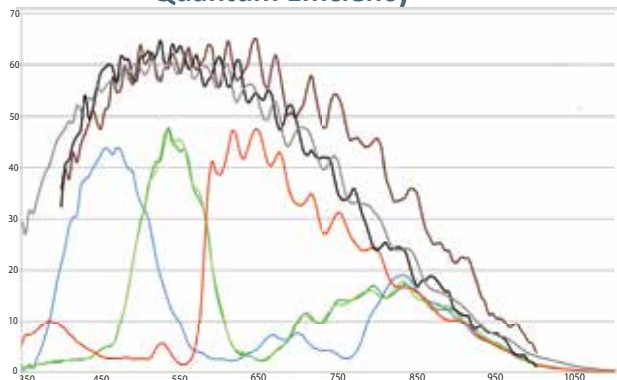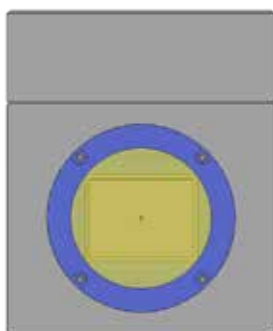**HB 12000** **12MP**

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

Quantum Efficiency

Front View Dimensions

58mm

Side View Dimensions

97mm

70mm

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

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emergentvisiontec.com

Sensor	CMV12000
Resolution	4096 x 3072
Megapixels	12MP
Sensor Type	28mm CMOS
Max Frame Rate	188fps
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	SFP28 - 25 GigE
***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.