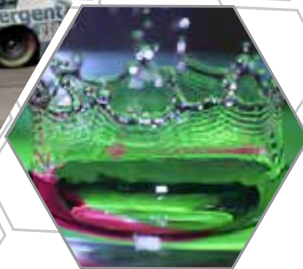**emergent**
vision technologies

HB-1800-S-M Monochrome
HB-1800-S-C Color
PRELIMINARY

25GIGE BOLT

High Speed 25GigE SFP28 Interface
2.5x the Speed of 10GigE
Cable lengths from 1M to 10KM
No Fiber Converters Needed
No Frame Grabbers
GigE Vision Compliant

SONY Pregius

GigE VISION
GEN<i>CAM

25GIGE CAMERAS
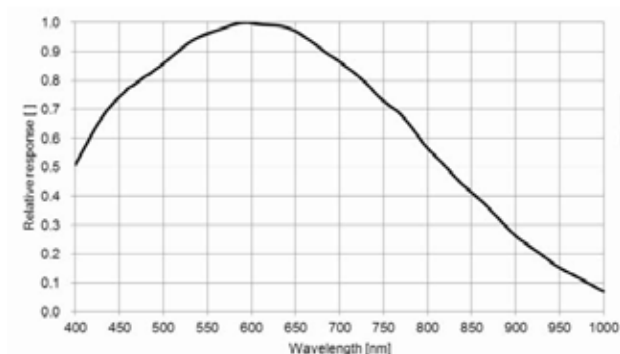Speed is Everything.

PRELIMINARY
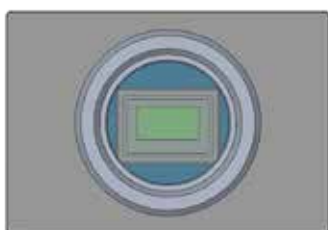
HB-1800-S SERIES - 1.76MP
HB-1800-S-M MONOCHROME / HB-1800-S-C COLOR

Spectral Sensitivity

Front View Dimensions

58mm

Side View Dimensions

40mm

97mm

*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

Sensor	Sony IMX425
Resolution	1604 x 1100
Megapixels	1.76MP
Sensor Type	1.1" - 17.6mm CMOS
Max Frame Rate	662.1 fps / **TBD**
Cell Size	9µm
Standard Mount	C Mount
Shutter	Global
Bit Depth	8 & 12 bit
GPIO / Triggering	3 in, 3 out Software, External (Pulse or Edge)
Interface	SFP28 - 25GigE
Exposure/Integration	5µs-1s
Dynamic Range	86 dB
Monochrome Modes	Mono8, Mono12, Mono12Packed
Color Modes	RGB8, RGB12, BGR8, BGR12, YUV411, YUV422, YUV444
Raw Modes	BayerRG8, BayerRG12, BayerRG12Packed
Operating System	Windows 10, 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	97 x 58 x 40 - 250g
Warranty	2 Years

*Preliminary data. Subject to change.