



# 25 GIGE ACCEL - LINE SCAN

LB-8K-M Monochrome  
LB-8K-C Color

\*\*\*PRELIMINARY\*\*\*

## 25GIGE ACCEL LINE SCAN



**25 GigE Line Scan** CMOS Cameras  
High Speed 25GigE SFP28 Interface  
**25x the Speed of GigE**  
Cable lengths from 1M to 10KM  
No Converters Needed!  
GigE Vision Compliant



## 25GIGE LINE SCAN

Speed is Everything.



**\*\*\*PRELIMINARY\*\*\***

**ACCEL SERIES**

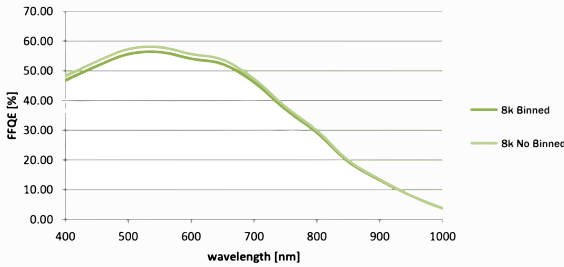
**LB-8K-M MONOCHROME**

**LB-8K-C COLOR**

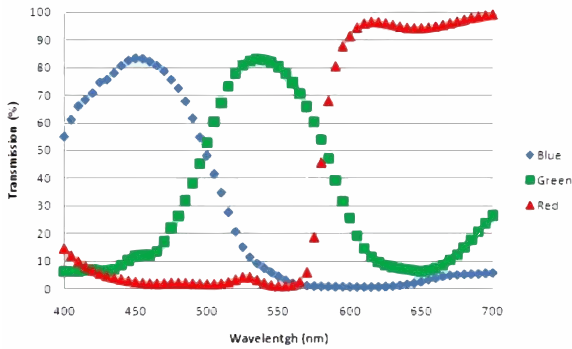


**Spectral Sensitivity**

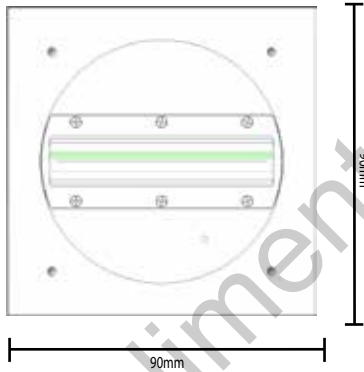
**Total Quantum Efficiency - Monochrome**



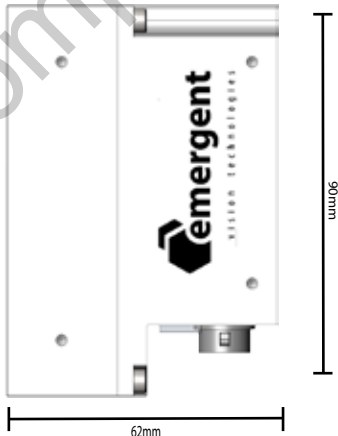
**CFA Transmittance**



**Front View Dimensions**



**Side View Dimensions**



<b>Sensor</b>	E2V Elite 8K CMOS Sensor
<b>Resolution</b>	8192 pixels horizontal
<b>Line Scan Mode</b>	Single line - 200KHz - 8K Bilinear - 100Hz - 8K Trilinear - 66KHz - 8K
<b>Sensor Scanning Width</b>	61.44mm
<b>Cell Size</b>	7.5 μm (H) x 7.5 μm (V)
<b>Dynamic Range</b>	68dB
<b>Digital Output</b>	8 & 10 bit
<b>GPIO / Triggering</b>	24V-max opto-isolated Shaft Encoder Module
<b>Interface</b>	SFP28 - 25 GigE
<b>Trigger mode</b>	Line start
<b>Shading correction</b>	Flat shading
<b>Gain</b>	Manual/Auto (Digital All: 0dB ~ +24dB (x1~x16) 1-Step = x0.01)
<b>Gamma</b>	9 Step 1.0 - 0.45
<b>LUT</b>	256 point
<b>Lens Mount</b>	M72 x 0.75 thread / F Mount Adapter
<b>Operating System</b>	Windows 7/8 & 10, Linux (64bit)
<b>Compliance</b>	CE, FCC, RoHS, WEEE, GigE Vision, GenICam
<b>Dimensions &amp; Weight</b>	90x90x62 - 680g
<b>Operating Temperature</b>	0C - 45C
<b>Storage Temperature</b>	-30C to +60C
<b>Power Requirements</b>	9W, 12V

\*all minimum exposure specs can vary from what is listed based on the limitations of each sensor as per notice from the manufacturer.

**Line Scan Camera Applications**

- WEB APPLICATIONS - PAPER, TEXTILES, METAL
- RAILWAY AND ROAD INSPECTION
- SATELLITE IMAGING
- SURFACE TOPOGRAPHY SCANNING
- GLASS AND STEEL INSPECTION
- POSTAL SORTING

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