LR-4KG35 Line Scan

LR-4KG35-M Monochrome
LR-4KG35-C Color

LR-4KG35: 10GigE line-scan camera with Gpixel GL3504

PACE 4KG features the Gpixel GL3504 CMOS sensor. LR-4KG35 comes with a resolution of 4Kx2 pixels and a line rate of: Single Line - 172KHz, Trilinear - 57KHz. This enables high-speed and low-noise image capture at 4K vision, ensuring all your inspection, sorting and production control requirements are met. Its 10GigE SFP+ interface allows cable lengths from 1M up to 10KM without the need for costly fiber converters/repeaters.

Benefits

» High-speed 10GigE via SFP+
» 10x the speed of GigE
» GigE Vision® and GenICam™ compliant

Applications

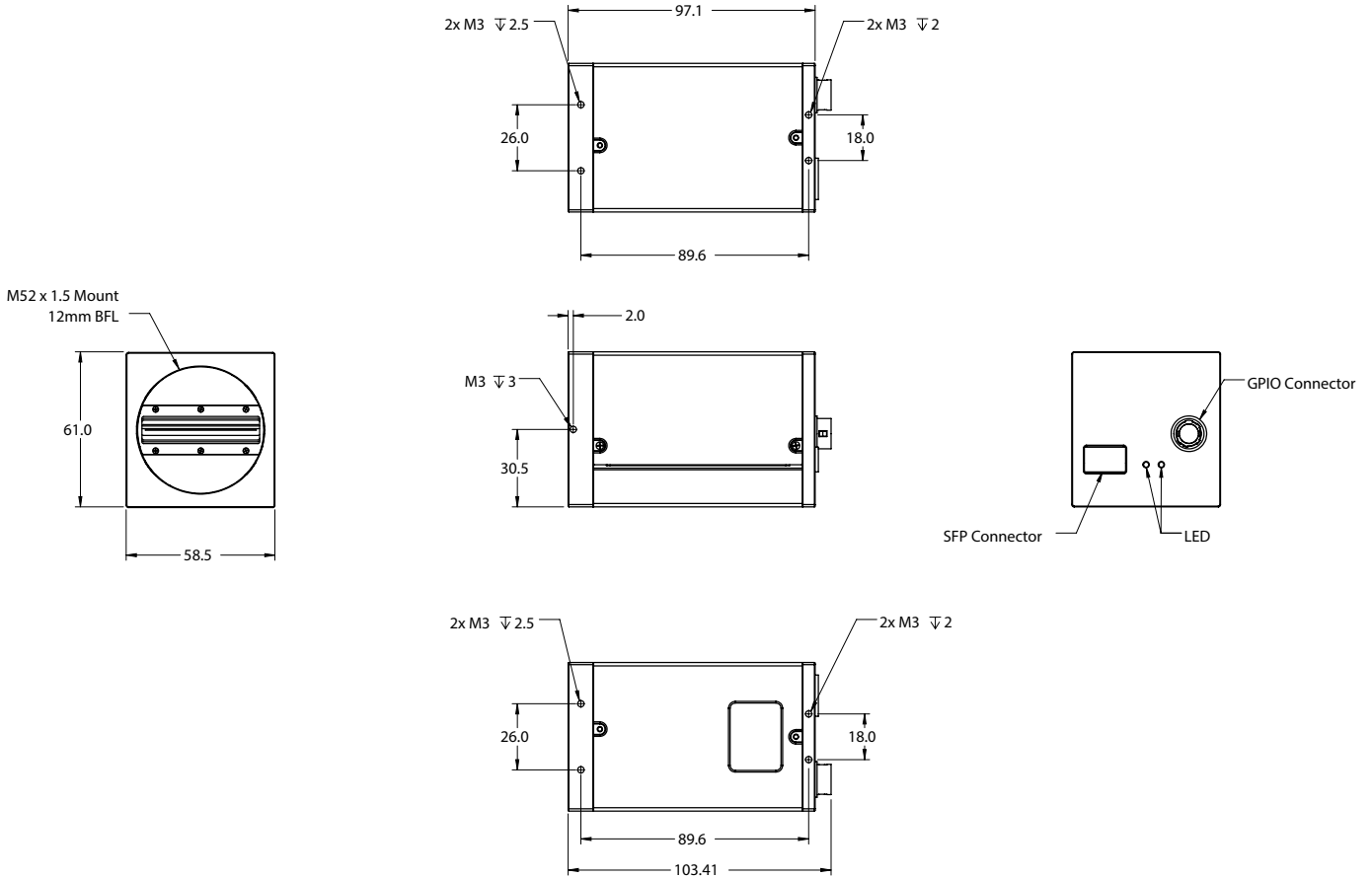» Industrial Inspection
» Printing Inspection
» Label Inspection
» Film Inspection
» PCB Inspection
» Automotive Inspection
» Food Sorting and Grading
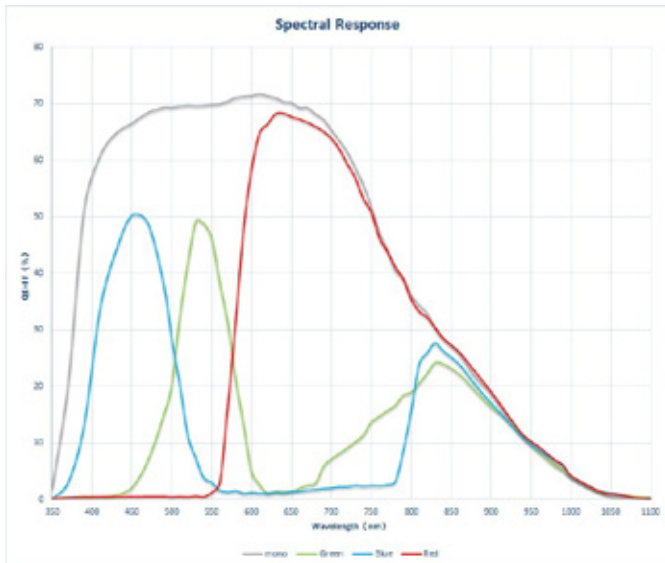» Pharmaceutical Inspection

Specifications

Sensor	GL3504
Resolution	4Kx2
Line Scan Mode	Single line - 172KHz Trilinear - 57KHz
Sensor Scanning Width	14.336mm
Cell Size	3.5x3.5µm
Standard Mount	C Mount
Shutter	Global
Bit Depth	8 & 10 bit
GPIO / Triggering	2 in, 1 out, Encoder A/B in
Interface	10GigE SFP+
Exposure/Integration*	1µs-1s
Dynamic Range	66dB
Monochrome Modes	Mono8, Mono10, Mono10Packed
Color Modes	RGB
Corrections	Flat shading (dark, lit), Spatial
Operating System	Win 7, 8, 10, Linux (64bit)
Compliance	CE, FCC, RoHS, WEEE, GigE Vision, GenICam
Power Requirements	8W
Operating Temperature	0C - 45C
Storage Temperature	-30C to +60C
Dimensions & Weight	97 x 58 x 60 - 395g
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.

![Emergent Vision Technologies logo]

Mechanical drawings

97.1

2x M3 ⤓ 2.5

2x M3 ⤓ 2

26.0

18.0

89.6

M52 x 1.5 Mount
12mm BFL

2.0

M3 ⤓ 3

61.0

30.5

58.5

GPIO Connector

SFP Connector

LED

2x M3 ⤓ 2.5

2x M3 ⤓ 2

26.0

18.0

89.6

103.41

Spectral Sensitivity

Spectral Response

QEeff (%)

Wavelength (nm)

mono   Green   Blue   Red

Any Questions?

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