

LZ-16KG5 Line Scan

LZ-16KG5-M Monochrome
LZ-16KG5-C Color



LZ-16KG5: 100GigE line-scan camera with Gpixel GL5016

PINNACLE LZ-16KG5 features the Gpixel GL5016 CMOS sensor. LZ-16KG5 comes with a resolution of 16Kx16 pixels and a line rate of: Single Line - 400KHz, Trilinear - 133KHz. This enables high-speed and low-noise image capture at 16K vision, ensuring all your inspection, sorting and production control requirements are met. Its 100GigE QSFP28 interface allows cable lengths from 1M up to 10KM without the need for costly fiber converters/repeaters.

Benefits

- » High-speed 100GigE QSFP28
- » 100x the speed of GigE
- » GigE Vision® and GenICam™ compliant

Applications

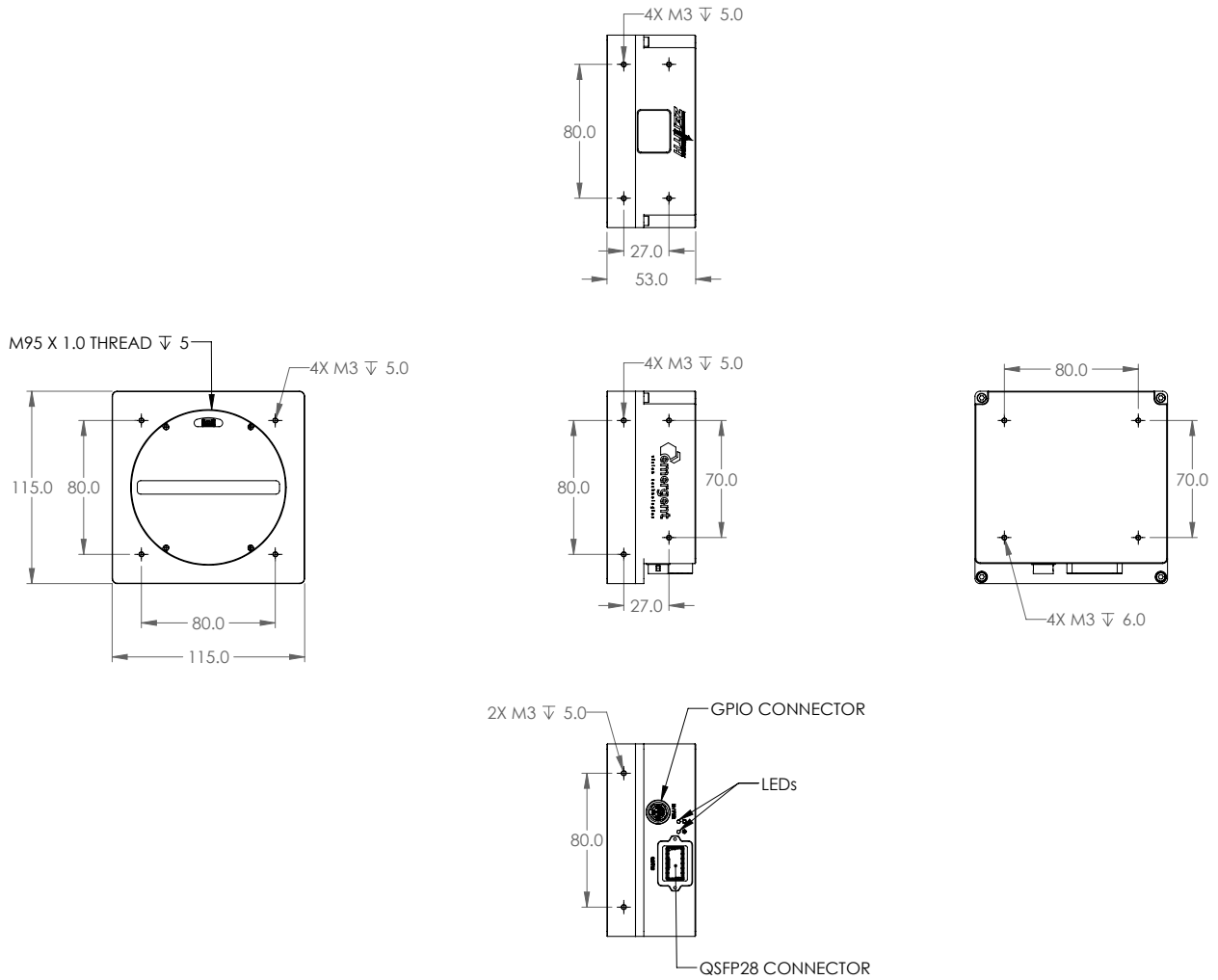
- » Industrial Inspection
- » Printing Inspection
- » Label Inspection
- » Film Inspection
- » PCB Inspection
- » Automotive Inspection
- » Food Sorting and Grading
- » Pharmaceutical Inspection

Specifications

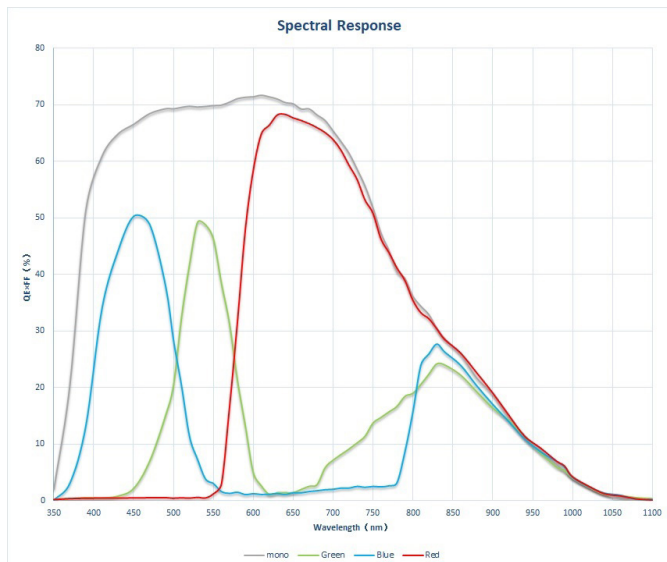
Sensor	GL5016
Resolution	16Kx16
Line Scan Mode	Single line- 400KHz Trilinear- 133KHz
Sensor Scanning Width	81.92mm
Cell Size	5x5µm
Standard Mount	M86
Shutter	Global
Bit Depth	8 & 10 bit
GPIO / Triggering	2 in, 1 out, Encoder A/B in
Interface	100GigE QSFP28
Exposure/Integration*	1µs-1s
Dynamic Range	66dB
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	18W
Operating Temperature	0C- 45C
Storage Temperature	-30C to +60C
Dimensions & Weight	115 x 115 x 53- 800g
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.

Mechanical drawings



Spectral Sensitivity



Any Questions?

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