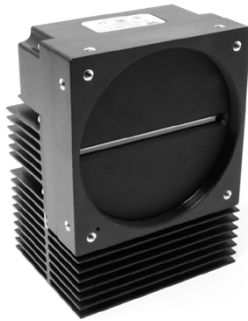


Linea HS

16k Monochrome CMOS TDI Camera



Advanced High-Speed, High-Sensitivity TDI Camera

Based on Teledyne DALSA's industry leading CMOS TDI technology, the new Linea HS™ cameras are the most advanced TDI products in the marketplace. The cameras come with the next-generation CLHS interface and deliver the highest performance available—an ideal imaging solution for demanding applications.

Specifications

Resolution	16,384 x 64 pixels
Line Rate	150 kHz maximum
Pixel Size	5 μ m x 5 μ m
Data Format	8 or 12 bits, selectable
Output	Monochrome
Lens Mount	M90 x 1
Responsivity	<i>See graph</i>
Dynamic Range	70 dB
Nominal Gain Range	1x to 10x
Size	97 mm x 140.5 mm x 78.6 mm
Mass	1.2 kg
Operating Temp Power	0 °C to +65 °C (front plate)
Power Dissipation	+12 V to +24 V DC, Hirose 12-pin
Control & Data	24 W
GPIO	Camera Link HS, CX4
Regulatory	Direction and line control
Compliance	CE, FCC, and RoHS

Key Features

- High speed
- High sensitivity
- High dynamic range (HDR)
- Active Optical Cable (AOC) compatible

Programmability

- Multiple regions and areas of interest
- 8 or 12 bit output
- Flat field and lens shading correction
- Programmable coefficient sets
- GenlCam™ compliant interfacing
- Rapid coefficient changes

Typical Applications

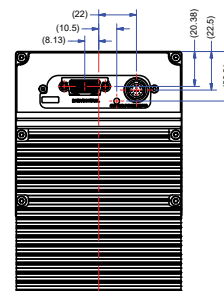
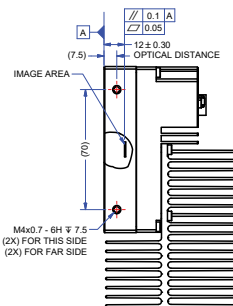
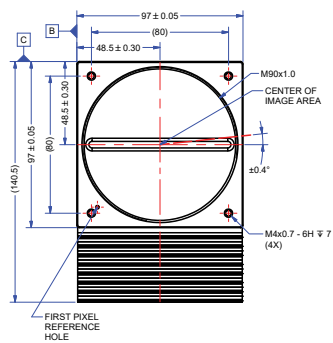
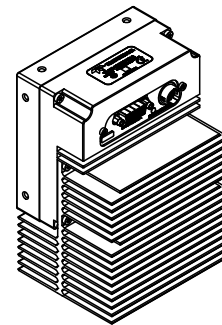
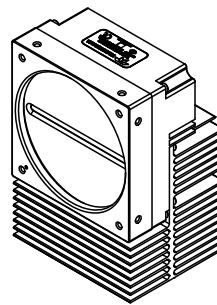
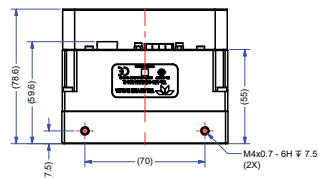
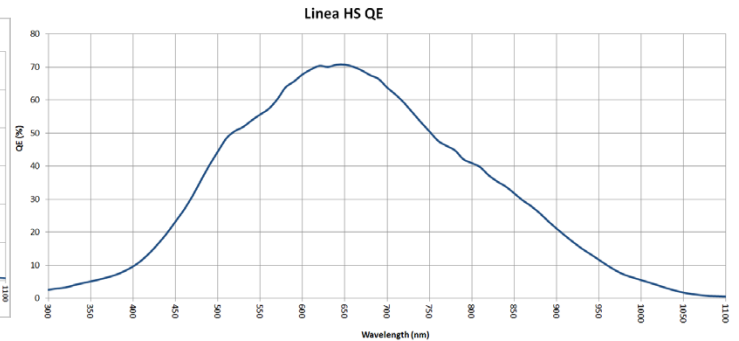
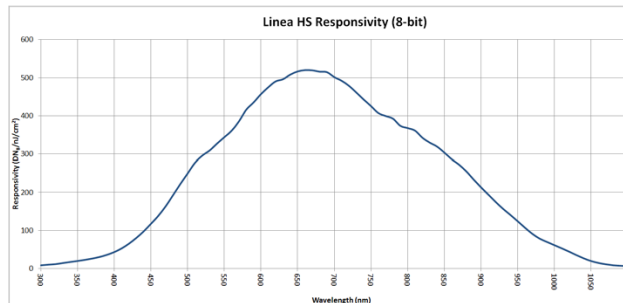
- Flat panel inspection
- Digital pathology
- Printed circuit board inspection

Linea HS Camera Models

Part Number	Resolution	Max Line Rates	Pixel Size	Output
HL-HM-16K15A-50-R	16,384 x 64	150 kHz	5 μ m x 5 μ m	Monochrome

Linea HS

16k Monochrome CMOS TDI Camera



NOTES:
1. UNITS: MILLIMETERS.
2. IMAGE AREA IS ALIGNED TO DATUMS A, B & C.

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