

LINEA™ HS BSI
BSI TDI NUV/visible Camera



SMARTER IMAGING FOR BETTER LIVES

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KEY FEATURES

- Backside illumination
- High resolution and High-speed
- High-sensitivity for UV imaging
- Programmable coefficient sets
- Flat field and lens shading correction
- Long optical cable length

TYPICAL APPLICATIONS

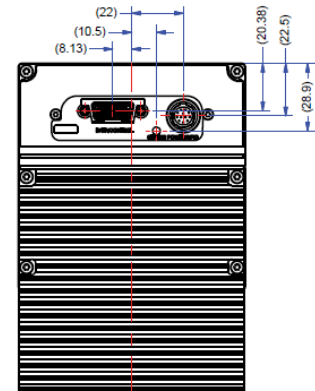
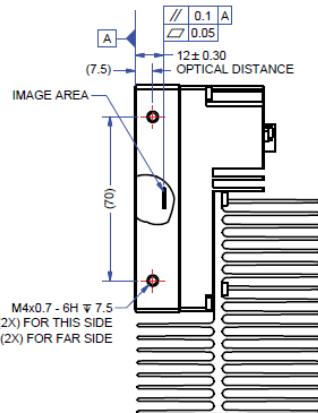
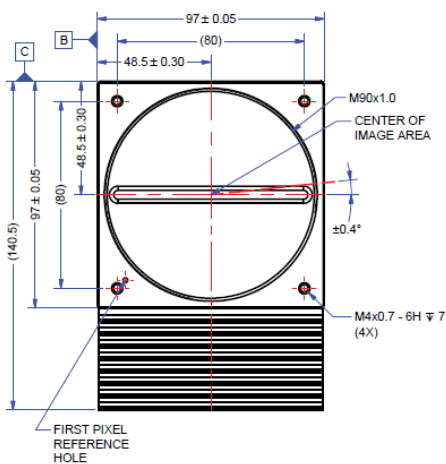
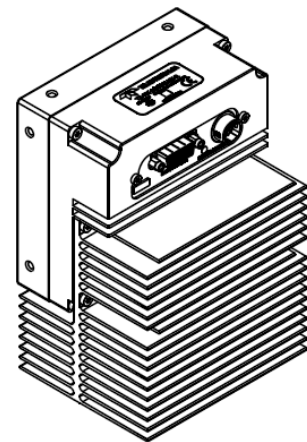
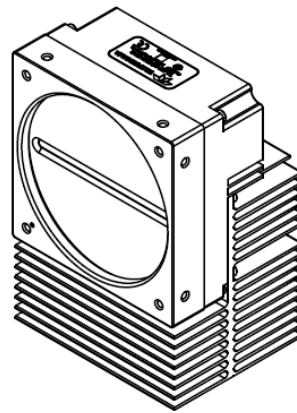
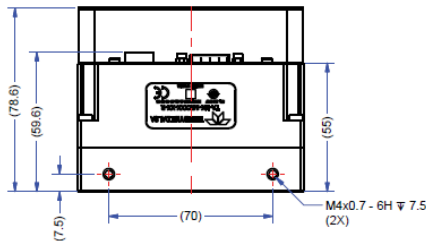
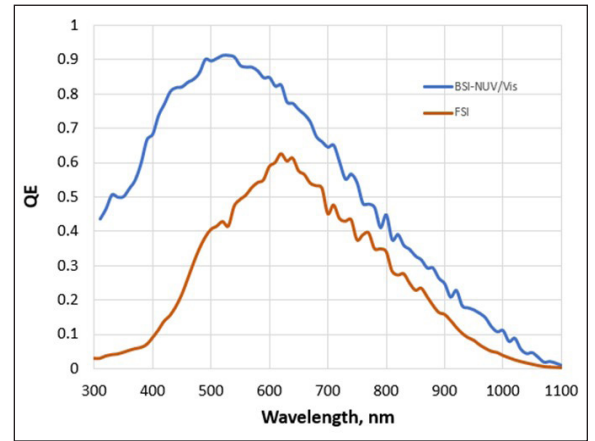
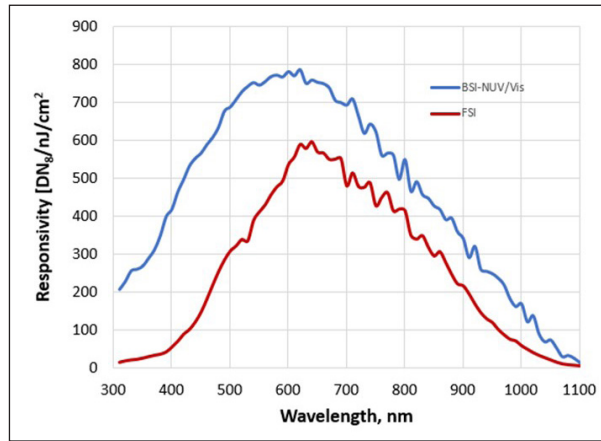
- Flat panel inspection
- Wafer inspection
- PCB and electronics
- Gene sequencing
- Digital pathology
- Fluorescence imaging
- General machine vision

High-Speed and High-Sensitivity BSI TDI

Based on Teledyne DALSA's industry leading CMOS TDI technology, the award-winning Linea HS™ cameras are the most advanced TDI products in the marketplace. These backside illumination cameras significantly enhances the sensitivity in particular for UV imaging. The cameras come with the next-generation CLHS interface, delivering up to 6.5 Gigapixels per second over a single active optical cable.

SPECIFICATIONS

HL-HM-16k40H-00-B	
Resolution (pixels)	16,384 x (128+64)
Line Rate (kHz)	400/200
Pixel Size (µm)	5 x 5
Output	Mono/HDR
Data Format (bit)	8 or 12
Dynamic Range (dB)	67
Full Well (ke-)	27
Read Noise (e-)	14
Power Dissipation (W)	30
Operating Temp (°C)	0 to +65 front plate
Dimension (mm)	97 (W) x 140.5 (H) x 78.6 (D)
Weight (g)	1200
Lens Mount	M90 x 1
Data Interface	CLHS CX4
Power and GPIO	+12 to +24VDC, Hirose 12-pin

SPECIFICATIONS


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

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