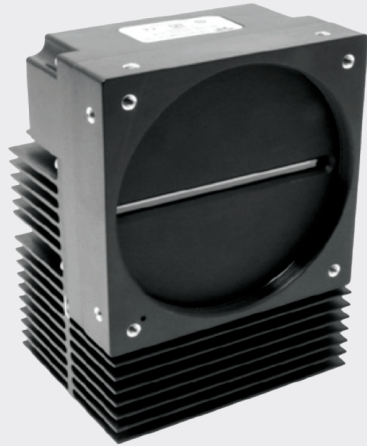


## LINEA™ HS BSI

BSI TDI Mono/HDR Camera



### KEY FEATURES

- Backside illumination
- High resolution and High-speed
- High-sensitivity for UV/visible 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

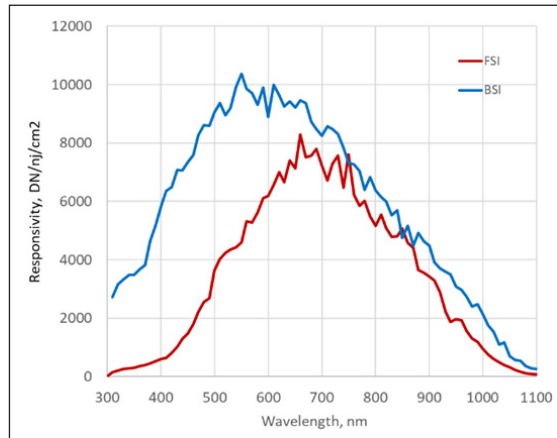
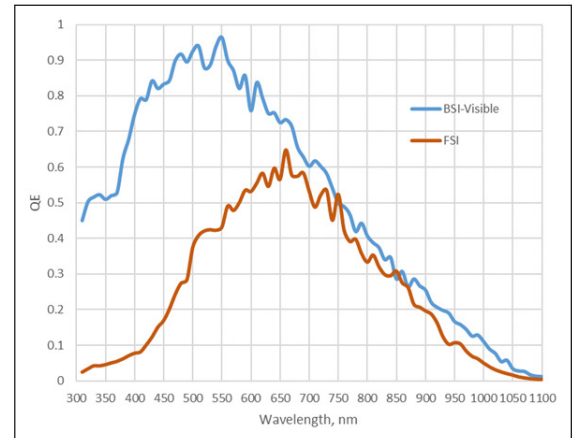
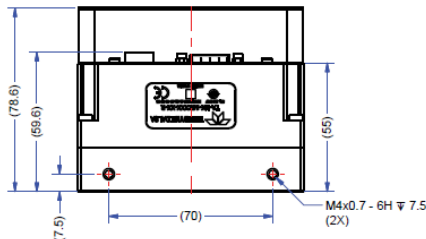
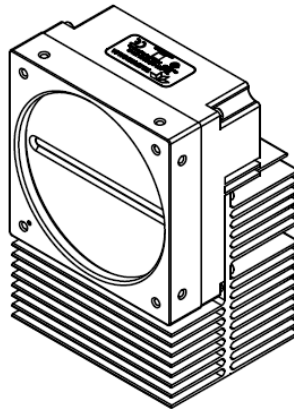
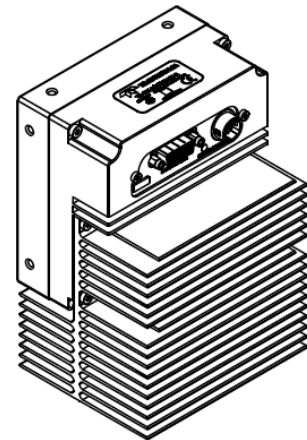
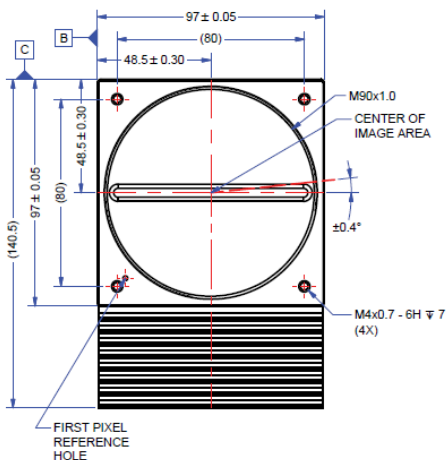
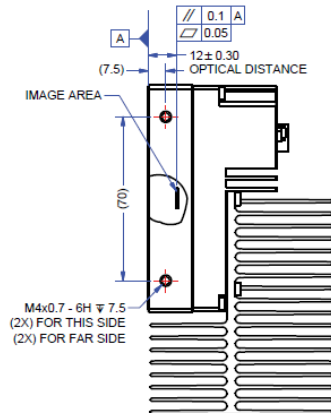
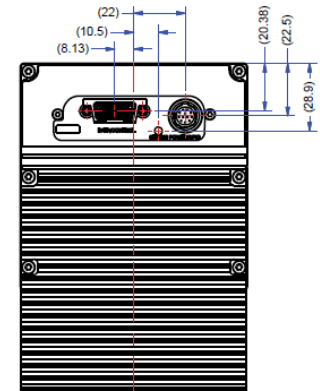
## High-Speed and High-Sensitivity BSI TDI

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. The backside illumination camera significantly enhances the sensitivity in particular for UV/visible imaging. The camera comes with the next-generation CLHS interface, delivering up to 8.4 Gigapixels per second over a single active optical cable.

### SPECIFICATIONS

|                       | HL-HM-09k40H-00-B             | HL-HM-16k40H-00-B |
|-----------------------|-------------------------------|-------------------|
| RESOLUTION (pixels)   | 9,216 x (128+64)              | 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)    | 70                            |                   |
| FULL WELL (ke-)       | 30                            |                   |
| READ NOISE (e-)       | 10                            |                   |
| 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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