



The Legend LS Line Scan incorporates DSP (digital signal processor) technology to achieve new levels of power. The LS packs all the power you need with its 2K linear sensor yielding images up to 18,000 lines per second. The Legend LS Line Scan works for applications that formerly required a cluster of high-resolution cameras.

#### **Legend Line Scan LS capabilities:**

- Unwraps cylindrical objects for label inspection
- Detects printing defects and flaws
- Detects metal and plastic defects
- 2k x 8k resolution for high precision measurements
- Provides consistent sampling
- Quadrature encoder inputs
- High speed part scanning

#### **Legend Line Scan LS includes:**

- Free software license and upgrades
- Free classroom, online and CD-based training
- Free online technical support

Built-in Ethernet connectivity gives you the power to integrate the Legend LS SmartCamera into your existing factory network and delivers remote access for online diagnostics and inspection management from any Internet connection!

Like all DVT SmartCameras, the Legend Series includes free DVT software, free upgrades and free licenses. Free training is available in the classroom, on the web, or on the Virtual Tour interactive CD-ROM.

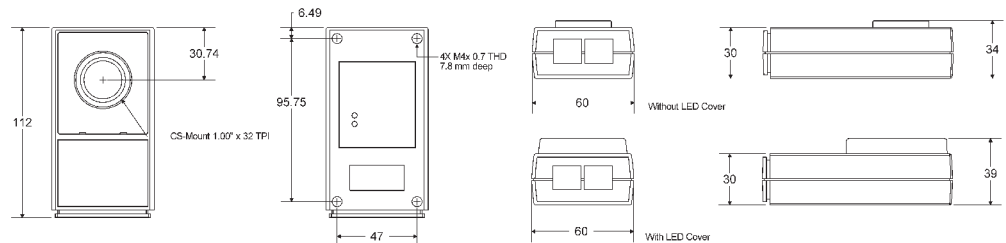
To learn more about our free training, go to [www.dvttraining.com](http://www.dvttraining.com).



DVT's most widely anticipated software release, **Intellect**, is now available as a free download at [www.dvtsensors.com](http://www.dvtsensors.com). Across-the-board changes have resulted in an easier to use, more powerful software product that incorporates many new features.

**Legend LS** specs

<b>Processor</b>	Texas Instruments DSP Processor
<b>Memory</b>	128MB RAM/16MB Flash
<b>Size</b>	112mm x 60mm x 34mm (not including lens)
<b>Mounting</b>	Four M4 threaded holes (on the back of unit), 7.8mm depth
<b>Weight</b>	170g/6oz (without lens or integrated light)
<b>Power Requirements</b>	24V DC, 300mA (or minimum 7.5W supply), regulated and isolated. Additional 5W required for integrated light option. Additional power required for external DVT LED lighting
<b>Operating Temperatures</b>	Operating Temperature: 0-45° C, 32-113° F
<b>Image Sensor</b>	14.3mm x 7.0µm (2/3" format) CCD, 2048 x 1 pixel resolution
<b>Line Rate</b>	18k lines per second
<b>Electronic Shuttering</b>	10µs – 1 second exposure times
<b>Optics</b>	CS mount standard, C mount-capable with optional adapter
<b>External Port</b>	RJ-45 for 10/100Mbps Ethernet communications, 10 pin keyed modular connector for power and digital I/O
<b>Digital I/O</b>	24V DC regulated, 8 configurable inputs and outputs, NPN (current sinking) inputs, PNP (current sourcing) outputs, active high signals. Inputs can sink up to 1.5mA and outputs source a maximum of 50mA
<b>Certifications</b>	CE certified



Note: All Units in mm.

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