

LS 200

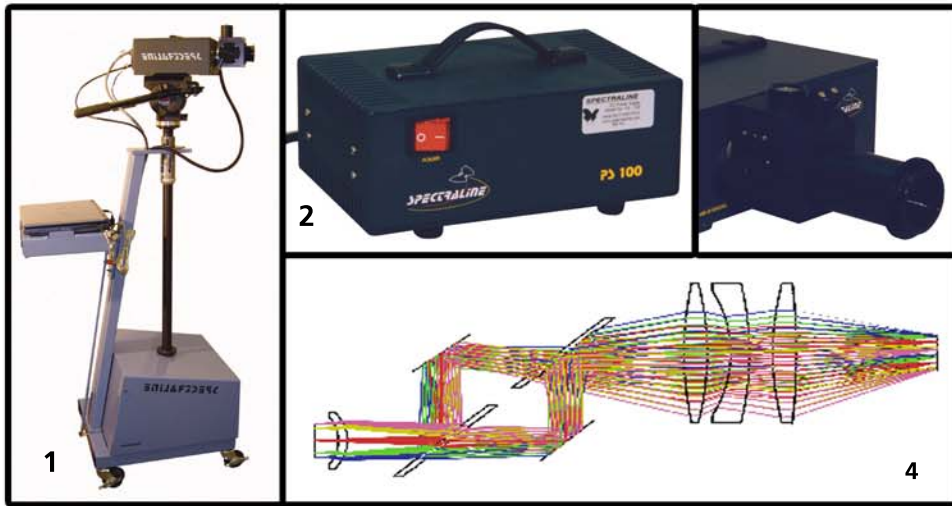
SPECTRALINE

Mid-Infrared Line Scan Camera



**High speed thermal
image of a candle**

<i>Quality control operation</i>	<i>Surface regularity quantification</i>
<i>Metal ingot inspection</i>	<i>Thermal gradient mapping</i>
<i>Plastic web monitoring</i>	<i>Mid infrared imaging</i>
<i>Coating defect detection</i>	<i>On-line processing</i>
<i>Railway wheel monitoring</i>	<i>Night vision application</i>
<i>Thin filament pyrometry</i>	<i>Combustion studies</i>



1. Mobile cart 2. Power supply 3. Focusing lens
4. Dual wavelength optics

Line scan camera

Pixel readout rate	1.3 Mhz
Frame Rate	390/1320 Hz
Detector	256 element PbSe
Enclosure size	11" x 10.5" x 4.5"
Weight	15 lbs
Operating temperature	50° F to 140° F
Output	12 bit video
Power	14 W

High Speed Line Scan Camera

The LS 200 can obtain linear images at speeds up to 15 KHz, providing an instantaneous snap shot of the object. Throughput is possible at 400 Hz or 1320 Hz enabling imaging of rapidly moving objects.

Mid Infrared Operation

The LS 200 is sensitive to radiation between 1.3 and 4.8 microns.

Zero Maintenance

The Lead Selenide linear array has a long life and an inbuilt thermoelectric cooler. It doesn't employ cryogenic cooling.

Rugged and Portable

The LS 200 measures 11" x 10.5" x 4.5" and weighs 15 lbs. It has no optical moving parts and does not require alignment by the user.

Wide Operating Range

The instrument is sealed for use in adverse environments and can be nitrogen purged. Detector performance is stabilized by active thermal management.

Convenient User Interface

The Infraspac graphical user interface performs basic data collection functions in addition to providing various data reduction, display, and plotting options.

Versatile Mounting Options

Mounting provisions are available for optical table mount, tripod mount, leveling feet, hard mount, or cart mount.

Accessories

The accessories include filter mounts, 1-D scanners, dual wavelength modules, remote PC monitoring, and self-contained mounting carts.



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