

SpotOn LA

Large Aperture Beam Positioning System



Featuring Large Optical Aperture

Applications

- Measure position deviations over long distances
- Monitoring low frequencies displacements, including buildings and bridges
- Fence polls alignment
- Track straightness

Main Features

- Large Aperture - For long distance or large movement alignment
- Extremely accurate - Less than 1% edge-to-edge and 30 mm resolution for minute movements
- Versatile - Measures beam position (up to 3 beams simultaneously), measures both CW and pulsed beams
- Easy to use - User friendly software with on-line Help routine, P&P camera with USB2.0 interface



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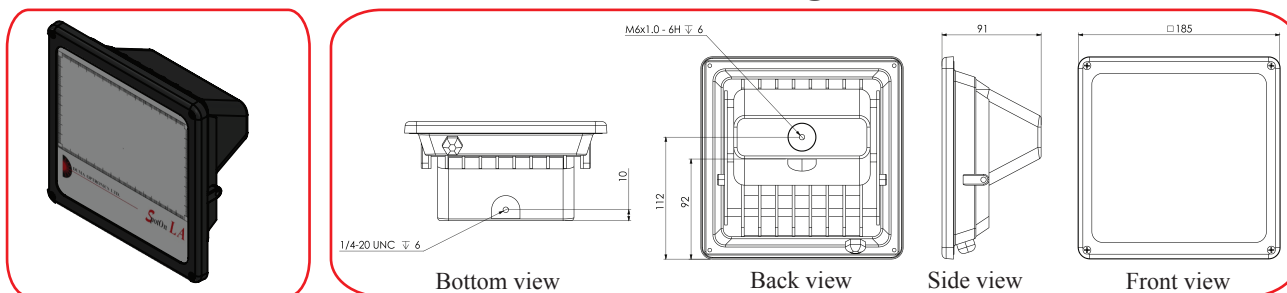
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Specifications

Detection size	X=100mm, Y=80mm
Dimensions	185mm(L) x185mm(H) x91mm(W)
Mechanics	Rugged water resistant Aluminum housing
Mounting	Tripod mount UNC 1/4 - 20
Weight	1350 gr
Frame rate	30 Hz
Spectral response	400 – 800 nm
Position accuracy	Less than 1% Edge-to-edge
Position resolution	30 um
Interface	High Speed USB2.0
Cable	100 cm USB2.0 cable attached to camera, (2.5m cable extension - optional)
Power	Powered by USB port
Input power level	About 2.5mW at 650nm (consult factory about attenuation)

Mechanical drawing



Software Features

- Centroid calculation and display
- 3 regions of interest for simultaneous measurements of up to 3 beams
- 2D contour map of beam in real time
- Direct data logging to Excel files with detailed statistics
- Data exporting to another computer via RS232
- Average
- Automatic Pass/Fail analysis report
- ActiveX package to control software from your application

Hardware Requirements

The recommended host computer requirements are:
Intel Core 2 quad, Windows XP/7/8/10, 1 G DDRZ, 1GB disk space,
2.83 GH 31 free high speed USB2.0 port, CD ROM drive

Ordering Information

SPOTON-LA – System comprises of a Plug & Play camera with USB2.0 interface and attached cable, software on CD disk.