

Electronic Autocollimator 1550 nm

NEW

Unique Revolutionary 1550 nm Device



- Performs intricate alignment for elements requiring 1550 nm wavelength.
- On-demand, it will analyze incident laser beams on its aperture.
- Large input aperture of 42 mm.
- Extremely Accurate.

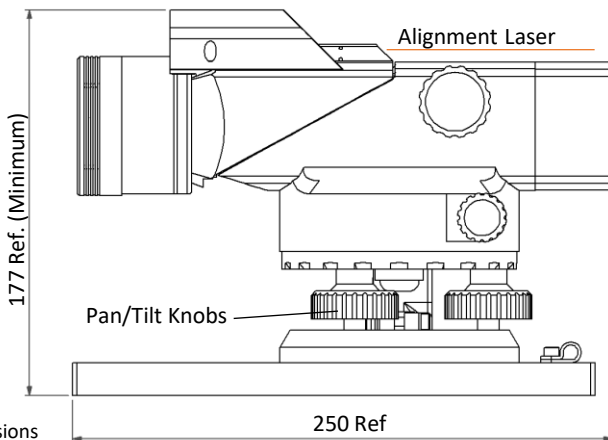
Specifications

Autocollimation	
FoV Autocollimator	±47' (H) x ± 33' (V)
FoV Beam Profiler	±94' (H) x ± 66' (V)
Clear Aperture	42 mm
Autocollimator's Resolution	0.1 sec
Autocollimator's Accuracy	1.0 sec
Light Source	1550 nm central wavelength LED
Line of Sight Retention as Function of Focusing	±2.5 seconds
Focusing Distance	Manual Focusing Knob from 18 cm to infinity
Focusing	Manual dual speed knob
Built in coarse aiming Laser Pointer	650 nm power <1.0 mW Class 2 laser product, IEC60825-1

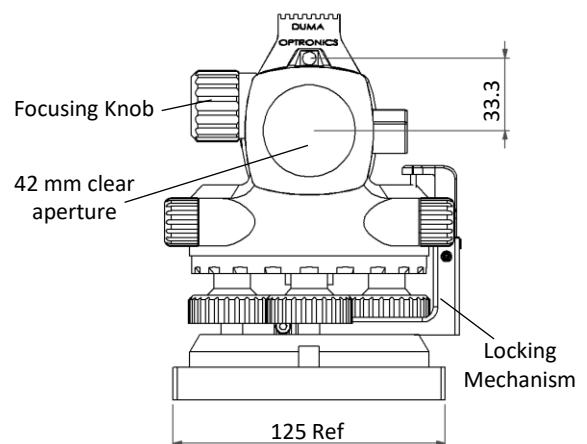
Spectral Response	350 – 1550 nm (Telescope Mode) Using appropriate band filter for 1550 nm
Resolution (H x V pixels)	1600 x 1100
Exposure Speed	39 µsec to 2 sec
Frame Rate	10 fps
Pixel Bit Depth	8 bit
Interface	USB 3.0, Windows 8/10/11 (32 & 64 bit)

Optional Beam Analysis – Collimated Laser Beams Input (Infinity)	
Max. Laser Beam Input Orientation	±50' (H) x ± 40' (V) ±14 mrad (H) x ± 11 mrad (V)
Laser Beam Divergence Measurement	Down to 0.05 mrad
Resolution of Beam Divergence	Better than ±5 µrad
Multiple Beams Measurement in Parallel	Standard – up to 400

WARNING: For best results this Autocollimator should be used in total room darkness



Dimensions are in mm.



Ordering Information

EAC-1012-19-1550-E: Complete system including a collimator unit with USB3.0 camera, software on CD and a retro-reflector for infinity adjustment.

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