

Electronic Autocollimator 1550 nm

NEW

Unique Revolutionary 1550 nm Device



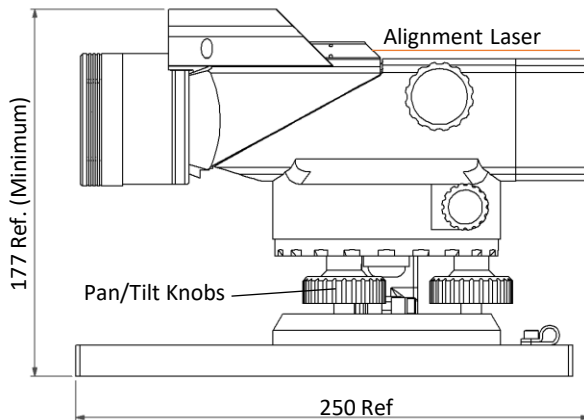
- Performs intricate alignment for elements requiring 1550 nm wavelength.
- On-demand, it will analyze incident laser beams on its aperture.
- Large input aperture of 42 mm.
- Extremely Accurate.

PRELIMINARY

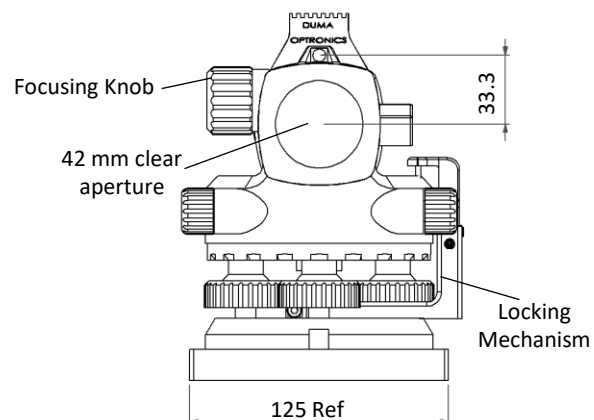
Specifications

Autocollimation	
FoV Autocollimator	$\pm 60'$ (H) x $\pm 40'$ (V)
FoV Beam Profiler	$\pm 120'$ (H) x $\pm 80'$ (V)
Clear Aperture	42 mm
Autocollimator's Resolution	0.05 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)	2050 x 1400
Gain Control	x400
Exposure Speed	39 μ sec to 2 sec
Frame Rate	10 fps
Pixel Size	9.2 μ m x 9.2 μ m (binning 1)
Pixel Bit Depth	8 bit
Interface	USB 3.0, Windows 8/10/11 (32 & 64 bit)
Optional Beam Analysis – Collimated Laser Beams Input	
Max. Laser Beam Input Orientation	$\pm 50'$ (H) x $\pm 40'$ (V) ± 14 mrad (H) x ± 11 mrad (V)
Laser Beam Divergence Measurement	Down to 0.05 mrad
Resolution of Beam Divergence	Better than ± 5 μ rad
Multiple Beams Measurement in Parallel	Standard – up to 400.
Parallel Multi-Beam divergence & power measurement (Default – 400 max.)	



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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June 2023