

Product Datasheet



PLX Electronic Autocollimator – ACT-WF

ACT-WF Wide-Field Electronic Autocollimator

The ACT-WF has a built-in computer-controlled laser pointer for easy alignment as well as built-in pan and tilt adjusting mechanics. It has a 2.4-megapixel wide spectral range camera, and features a resolution of 0.01 arc-seconds (0.05 μ Rad), with a clear aperture of 45mm.



PLX Autocollimator

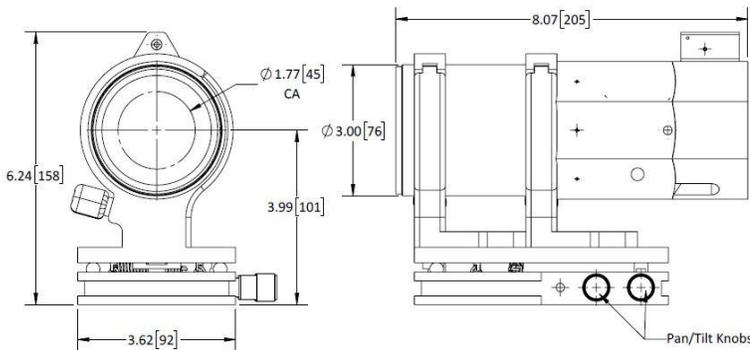
ACT-25B Electronic Autocollimator

ACT-25FO Autofocusing Electronic Autocollimator

ACT-HR High-Resolution Electronic Autocollimator

ACT-WF Wide-Field Electronic Autocollimator

ACT-WF Wide-Field Electronic Autocollimator



ACT-25WF:

- 2.4 Mega Pixels camera (wide spectral range).
- 0.01 arc-second resolution.
- 45 mm clear aperture.
- Built-in laser for coarse alignment.
- Long-lasting LED light source.
- Complete with full software suite for recording and documenting measurements.

Software

All PLX autocollimators come with software, and the software automatically displays angle deviation and can give the relative position of multiple targets.

Data logging is supported and can be configured to record for a predetermined time or a fixed number of data points. The recording interval can also be set. The data can be saved to a file or streamed to a remote location via RS-232 or TCP/IP. The communication setting for both RS-232 and TCP/IP is fully configurable from the software.

ACT-WF Specifications

Specification	Value
Spectral Response	350 - 1310 nm
Gain Control	1-24 dB
Shutter Speed	39 μ sec to 20 sec
FoV Autocollimator	$\pm 45'$ (V) x $\pm 1^{\circ} 10'$ (H)
FoV Telescope	$\pm 1^{\circ} 30'$ (V) x $\pm 2^{\circ} 20'$ (H)
Clear Aperture	45 mm
Resolution	0.01 sec
Accuracy	1.0 sec
Camera (Wide Spectral Range)	2.4 Mega Pixels, 12 bit
Light Source	LED- 650, optional: 1060. Special order: 1310 nm .
Pan & Tilt knobs	Tilt $\pm 2^{\circ}$, Pan $\pm 2.5^{\circ}$
Built in coarse aiming Laser Pointer	638 nm power <1.0 mW Class 2 laser product, IEC60825-1
Synchronization	•Software •Hardware (external trigger signal)
Interface	USB 3.0
Exposure Control	Programmable via GUI
Housing Size (L x W x H) in mm	205 x 92 x 158
Power Requirements	~2.5 Watt (Via USB 3.0 interface)
Weight (typical)	3.7 kg