

# Electronic Autocollimator LA-110 – 670 nm version

**NEW**

A precise USB 3.0 Autocollimator combining the functionality of Autocollimation with a large input aperture of 110 mm

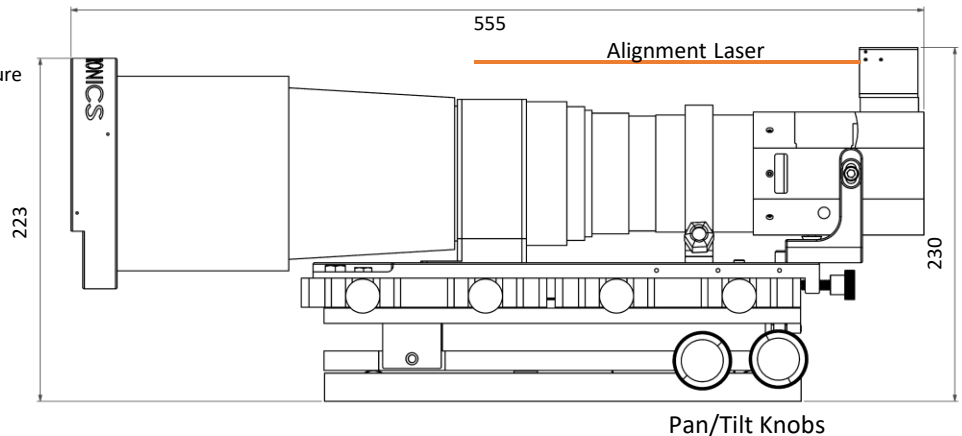
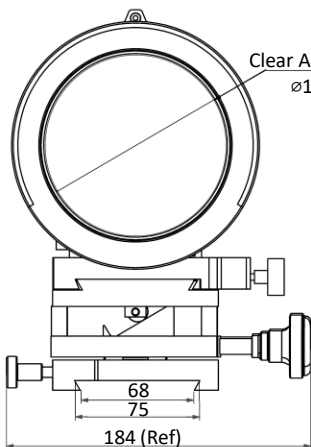


- High resolution down to 0.01 arc sec, with a clear aperture exceeding 110 mm.
- Built-in computer controlled laser pointer for easy alignment.
- Built-in Pan & Tilt adjusting mechanics.
- Hybrid autocollimator fusing together alignment & beam analysis

## Specifications

<b>FoV Autocollimator</b>	$\pm 13'$ (H) x $\pm 9'$ (V)
<b>FoV Telescope &amp; Beam Profiler</b>	$\pm 26'$ (H) x $\pm 18'$ (V)
<b>Clear Aperture</b>	110 mm
<b>Autocollimator's Resolution</b>	0.01 sec
<b>Autocollimator's Accuracy</b>	0.5 sec
<b>Light Source</b>	LED - 670 nm
<b>Built in coarse aiming Laser Pointer</b>	638 nm power <1.0 mW Class 2 laser product, IEC60825-1
<b>Resolution (H x V pixels)</b>	1600 x 1100
<b>Background Substraction</b>	User Activated

<b>Trigger</b>	Software Trigger
<b>Gain Control</b>	x400
<b>Exposure Speed</b>	32 $\mu$ sec to 2 sec
<b>Pixel Size</b>	9 $\mu$ m x 9 $\mu$ m
<b>Pixel Bit Depth</b>	16 bit
<b>Interface</b>	USB 3.0, Windows 8/10/11 (32 & 64 bit)
<b>Multiple Beams Measurement in Parallel</b>	Standard – up to 400.
<b>Pan &amp; Tilt knobs</b>	Tilt $\pm 2^\circ$ , Pan $\pm 2.5^\circ$
<b>Dimensions (L x W x H)</b>	555 x 184 x 230
<b>Weight (typical)</b>	6.5 kg
<b>Available Accessory</b>	100 mm Iris



## Ordering Information

**EAC-LA110-670:** Complete system including a collimator unit with USB3.0 CCD camera, software on CD/Flash and a retro-reflector for infinity adjustment.

**Accessories** (contact factory)

**DUMA OPTRONICS LTD.**

