

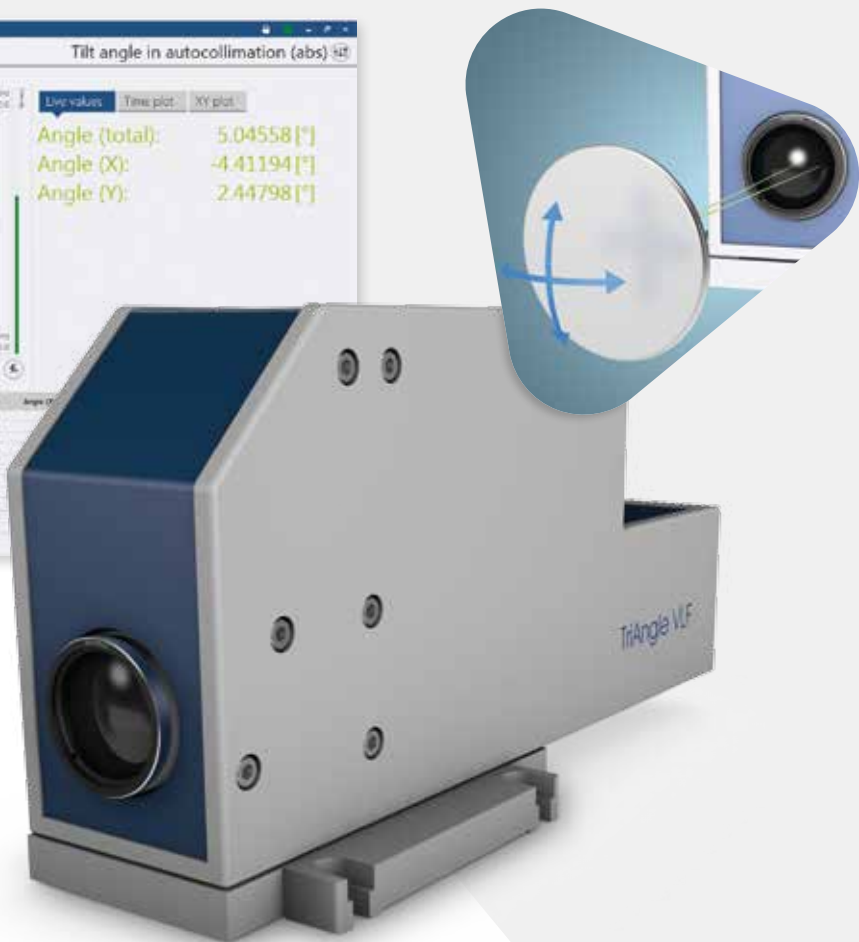
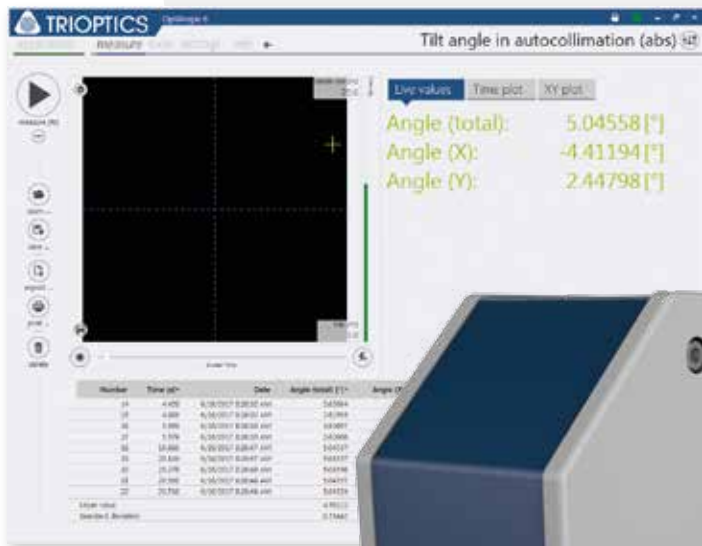


# TRIOPTICS

See the Difference.

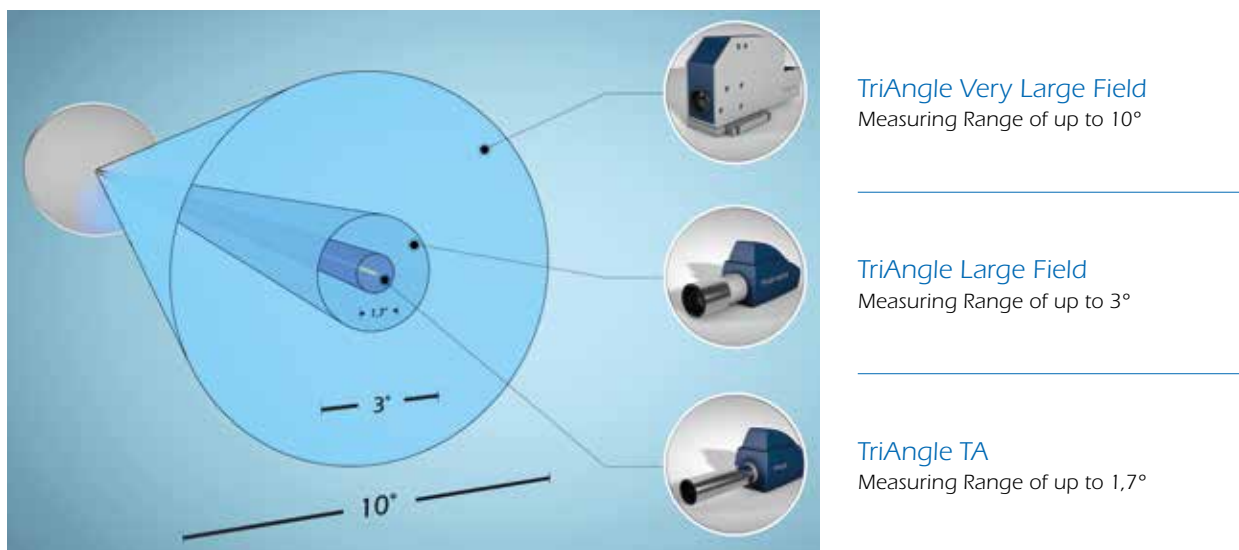
## TriAngle VLF

Electronic Autocollimators for a  
Wide Angular Measurement Range



TRIOPTICS offers with the TriAngle series a comprehensive range of electronic autocollimators for the ultra-precise optical measurement of angle adjustments. They are designed to be a user-friendly and versatile tool for high-precision angle measurement tasks in optics and other fields of precision engineering. A large number of variants cover almost every requirement on measurement range, accuracy or speed.

Traditionally, autocollimators are limited to a very small measurement range of about 1,7° or less. Their strength is to measure small angular changes very accurately. In contrast, the TriAngle VLF (Very Large Field) electronic autocollimator has been specifically designed for applications requiring a large measuring range of 10° without compromising the measurement accuracy and resolution that is known from standard autocollimators. This is facilitated by a proprietary and unique optical design and tailored software algorithms.



Comparison of the measuring range of different TriAngle models

### Typical applications:

- Line-Of-Sight (LOS) pointing and tracking measurements
- ADAS Lidar scanner measurements
- MEMS scanner inspection and calibration
- Gimbal angle calibration
- Precision optical and mechanical alignment

### Technical Data

Type	Measurement range in autocollimation	Clear aperture	Resolution	Accuracy
	Hor. (x) × vert. (y) (in°)	(mm)	(arc sec.)	(arc sec.)
<b>TA VLF</b>	abs. 10° in all directions	35	0.1	5