

## Target Applications

The BALTIC 617 variable focus and variable tilt liquid lens is designed for both Auto Focus (AF) and Optical Image Stabilization (OIS) function with absolutely no moving parts. OIS mode will allow delivering outstanding performance in ultra low light conditions, where handshake blur usually gives poor quality pictures. The lens is ideally suited for 1/4" and 1/3" sensor formats, but can also fit larger sensor formats depending of f number requirements.

Its variable tilt also allows using this lens for beam deviation combined with focus variation, opening new innovative optical applications.

## Key Features

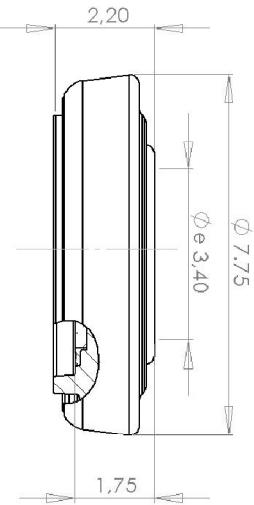
- Supports Auto Focus and OIS in both picture and video modes
- Specifically designed to compensate handshake in the 0.1Hz~10Hz range
- Silent
- Focus range supports from 5 cm to infinity
- Easy to integrate

## Specifications

Typical performance at 25°C

● Aperture size	up to 2.5mm
● Low Optical Power	-5 diopters ( $m^{-1}$ )
● High Optical Power	+15 diopters ( $m^{-1}$ )
● Wave Front Error, focus mode	50 nm (rms) (*)
● Wave Front Error, tilt mode	50 nm/0.1° (rms) (*)
● Tilt range	± 0.6°
● Transmission @ 587nm	97%
● Storage Temperature	from -40 to 85°C
● Operating Temperature	from -20 to 60°C

(\*) : on 1.6mm aperture size



## Getting Started with Liquid Lenses

For more detailed information on optical, mechanical, electrical performance and design, please contact [sales@varioptic.com](mailto:sales@varioptic.com).

