AngleMeter LA

Monitoring Laser Beam Deviations

- Analyzes angular directions (θ_x θ_y) of collimated beams
- Versatile – Measures Power and Angular incoming direction
- Complete test station with built-in Pan\Tilt Mechanics
- Extremely accurate
- Monitoring of moving optical devices, such as gimbaled cameras and seekers
- Two versions: Wide Field of View 25 mm Focal Length & 50 mm Focal Length

Specifications

	PSD9 USB Analog lens 50 mm	PSD9 USB Analog lens 25 mm
Measurement range	180 x 180 mRad	360 x 360 mRad
Aperture	27 mm	17 mm
Sensor size (mm)	9 x 9 PSD	9 x 9 PSD
Angle resolution	30 µRad	75 µRad
Absolute angle accuracy	0.50%	0.50%
Power accuracy	±5%	±5%
Update rate	Analog - 30 kHz, Digital - 40 Hz, Burs - 4 kHz	30 kHz
Response time	> 60 µsec	> 60 µsec

Wavelength	select: 350-750 nm, 750-1100 nm
Power supply voltage	±18V
Current consumption	±200 mA
Laser Input Power Range	10 - 2500 µW
Output range	Analog ±5V
Interface	USB 2.0 & Analog
Filter Size	55 mm

Ordering Information

PSD-USB-25 f1.4: The system consists of a sensor head with attached cable & ND-2 Filter (Optical Standard M55), an electronic box, a stabilized power supply, a software on a CD and a carrying case.

PSD-USB-50 f1.8: The system consists of a sensor head with attached cable & ND-2 Filter (Optical Standard M55), an electronic box, a stabilized power supply, a software on a CD and a carrying case.

DUMA OPTRONICS LTD.

Website: http://www.dumaoptronics.com

E-mail: sales@duma.co.il

November 2019

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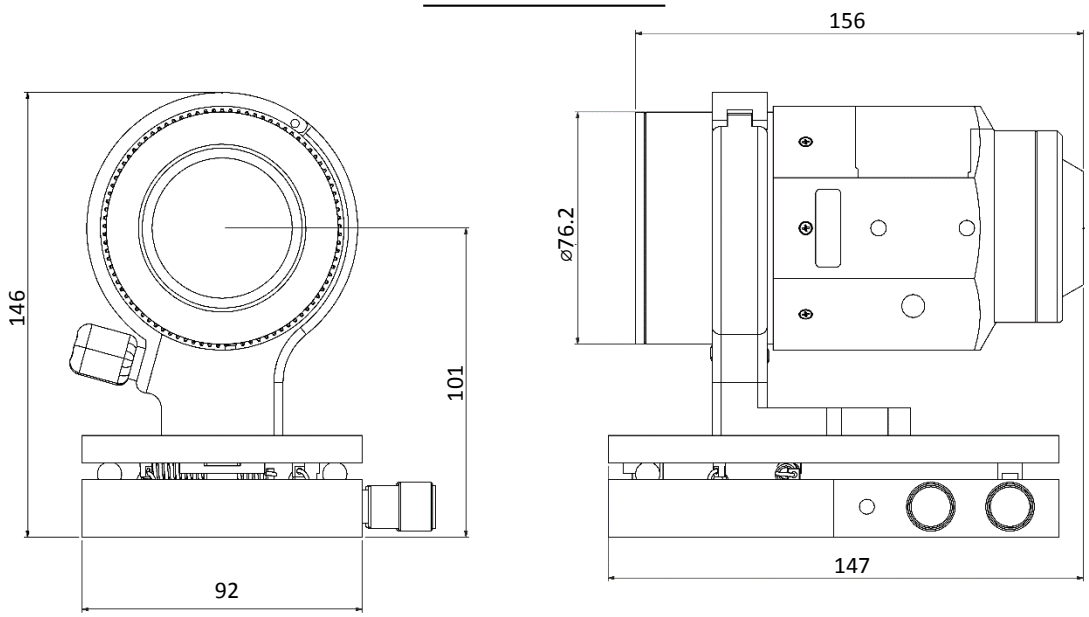
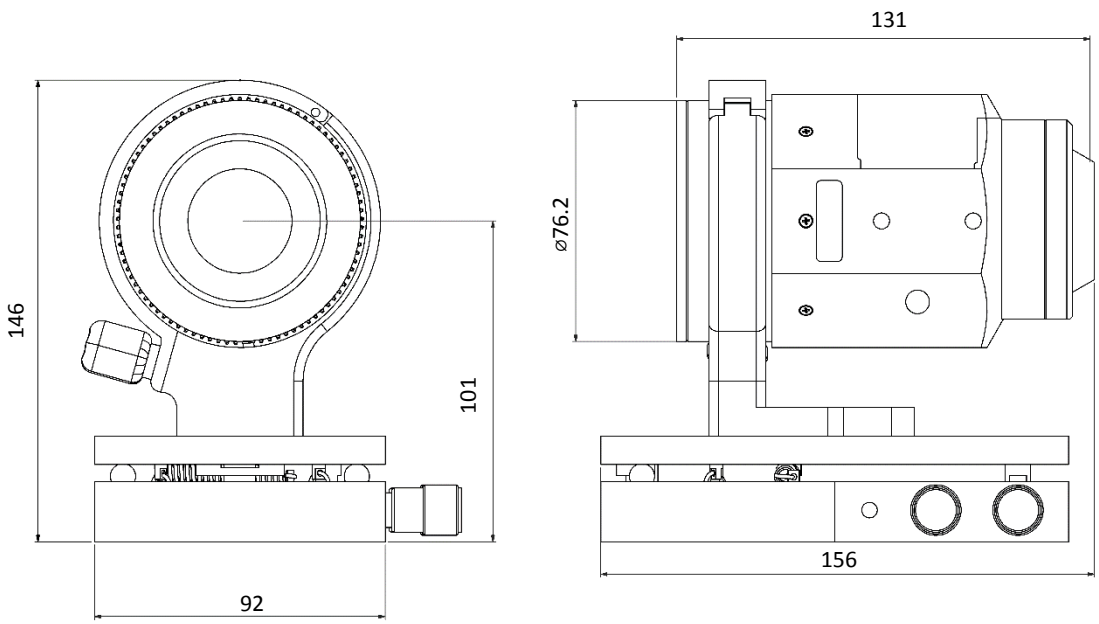
25 mm Model



50 mm Model



Dimensions are in mm.

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