

Angular Scanning Stage

12 inch linear 1-axis stage with angular/adjustable lighting and imager mount

Angular Scanning enables easy adjustment of viewing and lighting angles. The Angular Scanning stage can be used for measuring effects from the Bi-direction Reflection Distribution Function (BRDF).¹



Angular imaging and lighting

The angle at which an object is illuminated or imaged can influence the results. The Angular scanning stage provides the flexibility to adjust both for accurate measurements.

Bi-direction Reflection Distribution Function (BRDF).

The Angular Scanning Stage can be used to observe effects of the Bi-direction Reflection Distribution Function (BRDF). The BRDF is a radiometric measure of reflectance as a function of imaging and illumination angle. The BRDF is useful in applications such as computer graphics and computer vision.

Adjustable in-line lighting

The Angular Scanning Stage comes equipped with in-line lighting system that can be adjusted from vertical to 45 degrees from vertical.

Adjustable imager

The imager tower allows adjustment from vertical to 45 degrees from the imaging surface. At their maximum extents, the lighting and imager have a maximum relative angle of 90 degrees.

Fits all Pika Products¹

The Angular Scanning Stage is suitable for the following Resonon Products:

- Pika II
- Pika XC
- Pika NIR
- Pika HR

¹ Imager sold separately.

Specifications

Performance

Linear motion	12 inches 30.5 cm
Imager angular adjustment	0 (vertical) to 45 degrees
Lighting angular adjustment	0 (vertical) to -45 degrees
Input voltage ²	110VAC power supply included
Lighting power	Controlled current source 110VAC

Physical Dimensions

Weight [Approx]	33 pounds 15 kg
Dimensions	See drawing

Connections

Stage	USB
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² 110VAC to 12 VDC power supply included with the system to power the stage motor.

Contact



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