

25mm Aperture Shutter, C-Mount Compatible



25mm Aperture Shutter, C-Mount Compatible, #59-253

Stock **#59-253** **1 In Stock**

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1

+

£1,284⁰⁰

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Note: This item requires accessories for use | [Learn More](#)

Product Downloads

General

Shutter	Note:
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Physical & Mechanical Properties

25.0	Aperture (mm):
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0.6	Weight (lbs):
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Electrical	
Device Interface: RS-232 (3ft), USB (6ft), shutter-to-controller interconnect cable (6ft) Requires 1 x Shutter Controller	
Hardware & Interface Connectivity	
Power Supply: Universal 115-230 V AC 50-60 Hz (Included)	
Threading & Mounting	
Mount: C-Mount	
Environmental & Durability Factors	
Operating Temperature (°C): -10 to +50	
Regulatory Compliance	
Reach 191: Compliant	
RoHS 2015: Compliant	
Certificate of Conformance: View	

Product Details

- Microprocessor-Controlled Motion Profile
- USB, RS-232, TTL or Manual Control
- Rated for Millions of Cycles of Actuation
- 25 and 35mm Aperture Shutters Available

Our stepper-motor driven shutters provide fast and accurate exposures and are ideal for microscopy and machine vision applications. The controller allows programmable control over the ex-posure time and the delay between trigger and shutter opening. The controller contains a three-position switch, which allows the shutter to manually open and close or be remotely controlled. RS-232, USB and TTL inputs can be used for remotely controlling the shutter. A TTL output line located in the rear panel of the controller allows for cascading the trigger input signal to another device. The interface software allows selection among three modes of operation: Fast, Soft and Variable Aperture (Neutral Density) Mode. The shutter can be configured to close and reopen repeatedly or loop for a specific number of cycles. The shutter consists of a single blade made of bare aluminum. The 25mm shutter can be mounted either through its C-Mount threads or via its 8-32 tapped hole at the base. The 35mm shutter uses T-mount threads for mounting.

Operation Specifications

- Modes
 - Fast: Shutter Motion Optimized for Fastest Open/Close Times (8ms from Receipt of Command, 3ms from Start of Motion)
 - Soft: Minimizes Vibration; 60ms Open/Close Times
 - Neutral Density: Shutter Can Be Commanded to Open to Any Specified Position
- Exposure Time: User Selectable from 0 - 5h in 1/10ms Increments
- Delay Time: User Selectable from 0 - 5h in 1/10ms Increments

Technical Information



