

HF108B

High-speed ultra-thin 8 position filter wheel

The HF108B high-speed filter wheel holds up to eight 32 mm filters and allows users to simply and quickly tailor illumination to suit specific applications. The HF108B is ideal for high-speed widefield fluorescence microscopy or integration into confocal or super-resolution instruments.

The clear 29 mm aperture makes the HF108B an optimal choice for modern high field number microscopes and large-format cameras. For system integrators, numerous attachment points for customized adapters are available.

The HF108B offers a marked improvement in speed and durability compared to the previous HF108A model. It features an ultra-thin 21 mm body for easy integration and minimal impact on microscope infinity spaces, and includes an easy-to-use filter clamping mechanism.



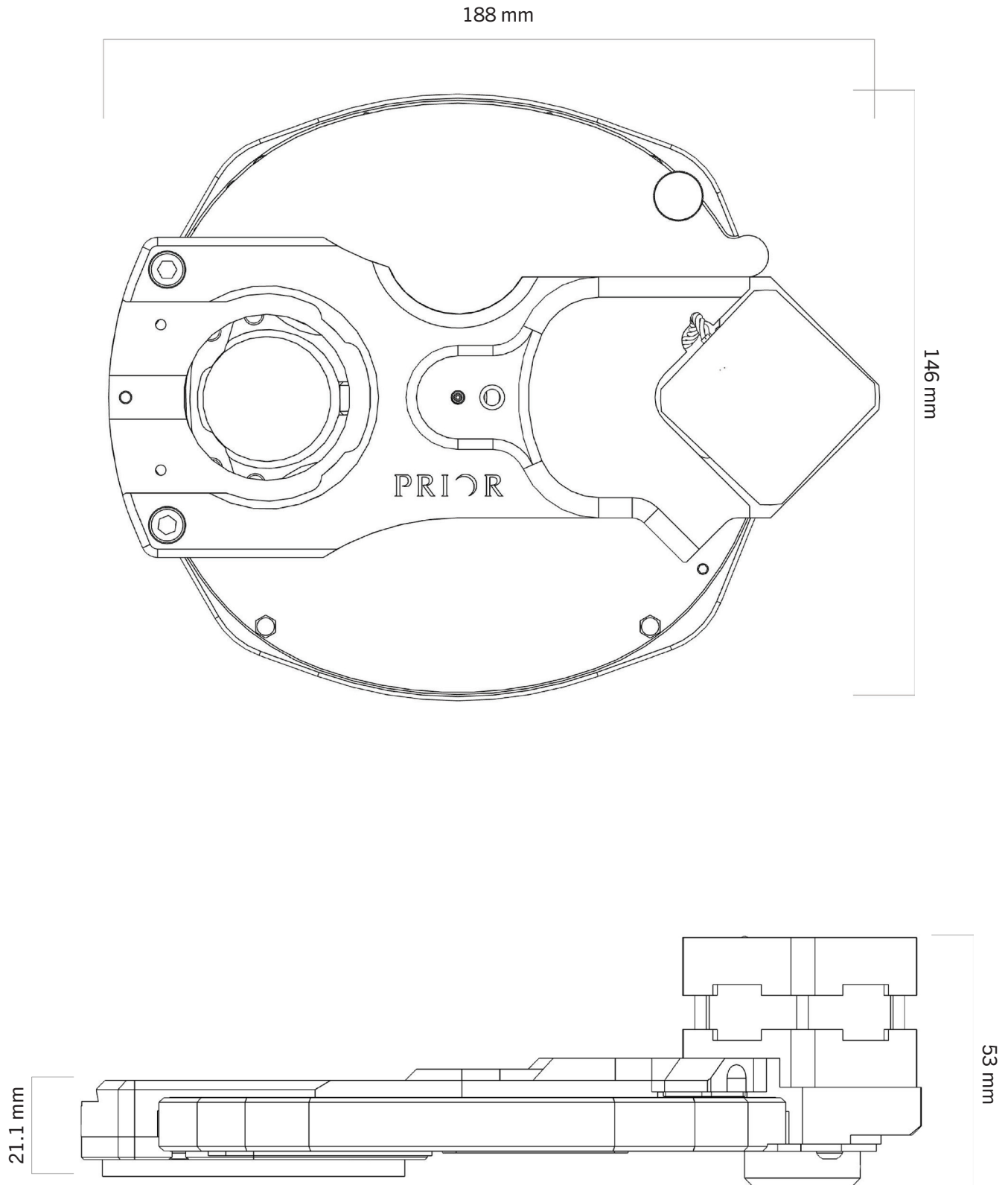
Key Features

- Lightweight design facilitates rapid filter changing.
- Ultra-thin body minimizes impact on infinity space.
- Non-threaded filter clamp enables easy filter installation.
- Compatible with many pieces of third party microscopy software.
- Life tested to 20 million cycles.

Applications

- Fluorescence microscopy
- Confocal and super-resolution microscopy
- Automated high content screening

Dimensions



Specifications

HF108B

Number of filters	8
Maximum filter diameter	32 mm
Maximum filter thickness	5 mm
Filter change time*	<38 ms
Wheel Thickness**	21.1 mm
Weight	1 kg
Mounting method	Without stand
Maximum recommended drive current***	1200 mA

*Movement time between two adjacent positions when using a ProScan III controller with recommended maximum settings. Time may be reduced to approx. 31 ms when operating at higher drive currents.

**Excluding camera and microscope adapters.

***For short experiments drive currents up to 1500 mA can be used to achieve faster filter change times. Not recommended for periods of constant use longer than 1 hour.

Ordering Information

Part Number	Description
HF108B	8-position high speed ultra-thin filter wheel for 32 mm filters.
HF108C-NK	8-position high speed ultra-thin filter wheel for Nikon microscopes with C-mount camera adapter for 32 mm filters.
HF108F-EV	8-position high speed ultra-thin filter wheel for Evident/Olympus microscopes with F-mount camera adapter for 32 mm filters.
HF108TFL-IX85RH	8-position high speed ultra-thin filter wheel for Evident/Olympus IX85 microscope (right camera port) with TFL-mount camera adapter for 32 mm filters.

*Many more options for commercial microscopes are also available. See our website, or contact Prior, for a full list of options.

UNITED KINGDOM

Prior Scientific Instruments Ltd.
Units 3-4 Fielding Industrial Estate
Wilbraham Road, Fulbourn
Cambridge, CB21 5ET
United Kingdom
Email: inquiries@prior.com
Phone: +44 (0)1223 881711

U.S.A.

Prior Scientific, Inc.
80 Reservoir Park Drive
Rockland, MA. 02370
U.S.A.
Email: info@prior.com
Phone: +1 781 878 8442

GERMANY

Prior Scientific Instruments GmbH
Maria-Pawlowna-Str. 4
D-07743, Jena, Germany
Email: jena@prior.com
Phone: +49 (0)3641 242 010

JAPAN

Kayabacho 3rd Nagaoka Bldg 10F,
2-7-10, Nihonbashi Kayabacho, Chuo-Ku,
Tokyo103-0025, Japan
Email: info-japan@prior.com
Phone: +81 (0)3 5652 8831

CHINA

Prior Scientific Instruments (Suzhou) Ltd.
Room 118, Meilihua Hemu Park
No. 393 Suhong Middle Road, Suzhou Industrial Park
Suzhou, 215000, China
Email: info-china@prior.com
Phone: +86 (0)512 6617 5866



ISO 9001
Quality
Management
Systems
CERTIFIED

ISO 14001
Environmental
Management
CERTIFIED

ISO 45001
Occupational
Health and Safety
Management
CERTIFIED

