

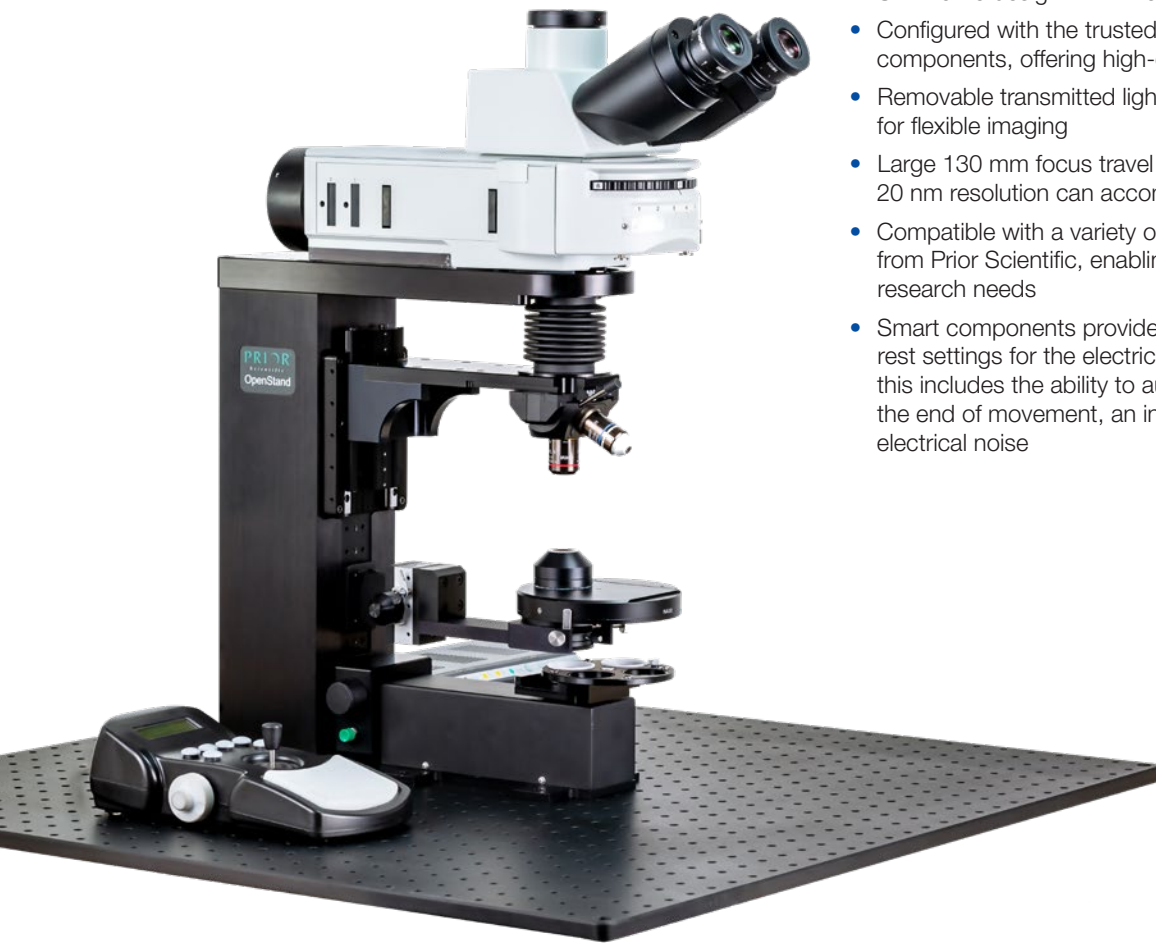
Flexible and Modular Electrophysiology Solution



Advantages of the Prior OpenStand System

The OpenStand microscope frame meets the needs of researchers in physiology and neuroscience. This modular microscope is built around a post frame that provides a more open working area compared to traditional microscopes. The frame includes a large, motorized Z-axis travel that accommodates tissue sections to whole animals. Highly customizable, this system is compatible with a full range of Olympus optics and Prior stage accessories for flexibility across the various research techniques needed in physiology.

Flexibility Combined with Stability



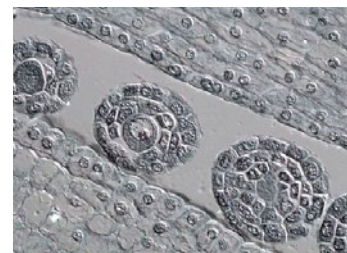
- Slim frame design minimizes manipulator positioning restrictions
- Configured with the trusted quality of Olympus optical components, offering high-quality images
- Removable transmitted light and adjustable condenser mount for flexible imaging
- Large 130 mm focus travel with 40 mm motorized focus at 20 nm resolution can accommodate a wide variety of samples
- Compatible with a variety of stage and component options from Prior Scientific, enabling customization to meet specific research needs
- Smart components provide configurable drive, holding, and rest settings for the electrical current running to control motors; this includes the ability to automatically shut down power at the end of movement, an invaluable tool that helps reduce electrical noise



Cat Testes Stained Thin Section



Intestine Thin Section



Lily Flower Buds



Mouse Kidney Thin Section

Customizable for Your Specific Research Needs

Microscope Translation Stage



- Drivers are available for seamless integration with multiple imaging programs
- Ultrafine positioning through individual XY control knobs
- Small footprint, offering fewer limitations around the stage
- Fully configurable with the OptiScan controller for Automatic Programmable Power Settings (APPS) mode to reduce electrical noise during experiments

V-Deck Stage Platform



- Large working stage top for multiple manipulators
- Includes two 200 mm tall adjustable posts with manipulator mounts
- Dovetail slides enable easy access to the optics and your sample
- Adaptors available for Prior sample holders

Z-Deck Stage Platform



- Available in motorized, manual, or fixed versions
- APPS mode compatible for eliminating noise while recording
- Includes fixed oversized breadboard top with adaptor for Prior sample holders
- Individual XY control knobs for ultrafine positioning with a Z travel range of 50 mm

Post Mounts



- Adjustable rigid posts with manipulator mounts available in 200 mm or 120 mm heights
- Round sample holder can accommodate various third-party sample holders, dishes, or chambers
- Translation stage and U-shaped mounting plate available for 120 mm tall posts

Micromanipulators



Packages are available with Sensapex zero drift manipulators to enable zero-noise recordings.

- Touch-screen controller can be used to control the microscope's motorized components
- Free PC suite available for manipulator control through your PC

Olympus Optics



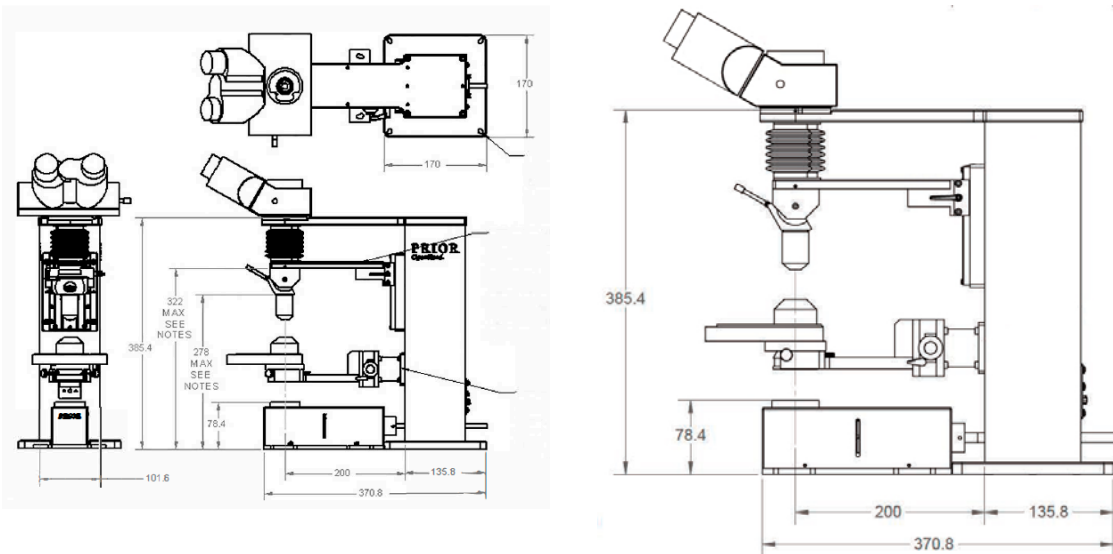
- Vibration-free optical components that help ensure excellent stability
- Long working distance objectives
- Precise, aberration-compensated IR-DIC optics covering visible, 775 nm, and 900 nm wavelengths

Specifications



- Throat depth of 200 mm
- Manual focus adjustment range of 126 mm
- Motorized focus travel range of 40 mm
- Motorized focus resolution of 20 nm
- Condenser adjustment range of 70 mm
- Condenser focus range of 35 mm
- Fluorescence capability up to 6 channels
- Vibration-free magnification changer
- IR-DIC optimized optics up to 900 nm
- Simultaneous fluorescence/IR-DIC imaging

Dimensions



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