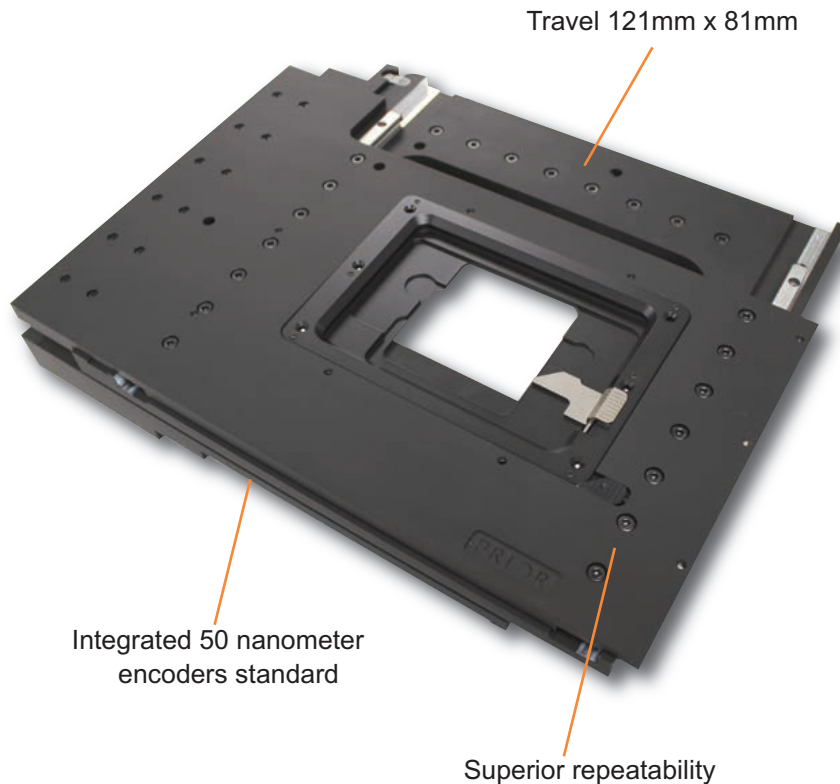




## HLD117IX

### High Precision Stage with Linear Motor Technology for Olympus IX3 Microscopes



Prior's newest stage technology, the HLD117IX stage with Linear Motor Technology brings a new level to precision in microscope automation.

#### Features of the HLD117IX include:

- Superior repeatability - 0.15µm\*
- Faster scanning speeds up to 300mm/sec
- Low profile
- Ultra quiet operation
- Super smooth movements
- Integrates with cellSens software
- Range of standard sample holders\*
- Flat top design
- Integrated 50 nanometer encoders standard
- Compatible with Prior NanoScan Piezo Z stages
- Fixed stage cable eliminates cable drag improving performance

\*For a complete list of Prior sample holders please see the Prior Scientific price list.

#### General Specifications

- Travel range: 121 mm x 81 mm
- XY repeatability: 0.15µm\*
- Minimum step size (resolution): 0.05 µm
- Metric accuracy (per mm of travel): 0.045 µm\*\*
- Minimum velocity: 1 micron/second
- Maximum velocity: 300 mm/second
- Squareness: 20 arc/second\*\*

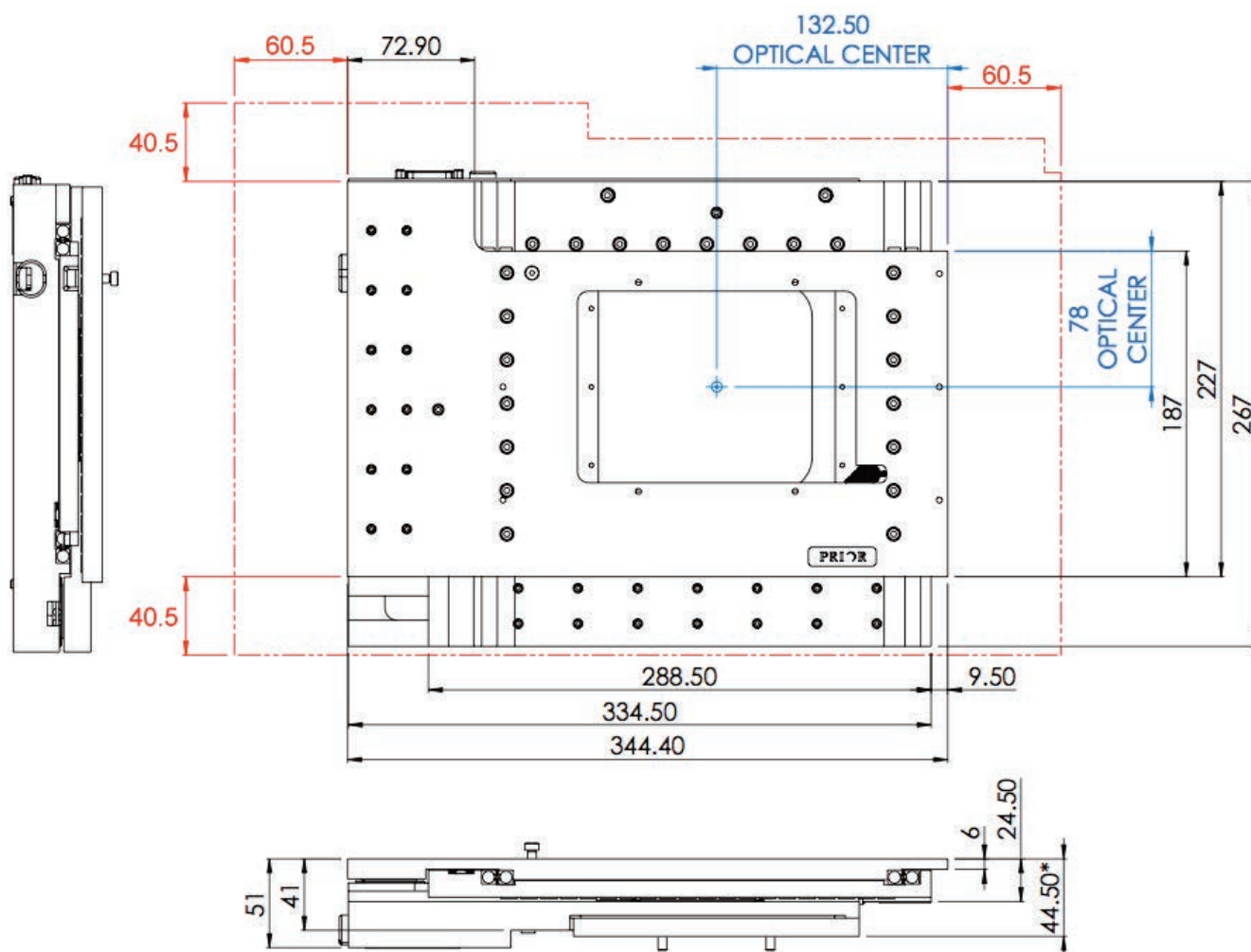
- Motors: high precision linear DC servo
- Linear slides: precision 3mm crossed roller way
- Limit switches: X and Y standard
- Stage profile: approximately 41mm
- Weight: approximately 7 kg
- Maximum load capacity: 6 kg

\*Mean value

\*\*Based on performance with IST enabled and measured over full travel of the stage.

## HLD117IX Stage

High Precision Stage with Linear Motor Technology for Olympus IX3 Microscopes



## HLD117IX Stage With Linear Stage Technology Ordering Information

| Part Number | Description                                                                                                                                                                |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| IX3LDXY     | ProScan linear motor XY stage kit including ProScan III LD controller, HLD117IX linear stage, PS3J100 joystick and H473XR universal specimen holder for slide/petri dishes |
| HLD31XYZ    | ProScan III LD linear motor controller                                                                                                                                     |
| HLD117IX    | Prior linear motor stage for Olympus IX3 microscope                                                                                                                        |
| PS3J100     | Interactive Control Center Joystick                                                                                                                                        |



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