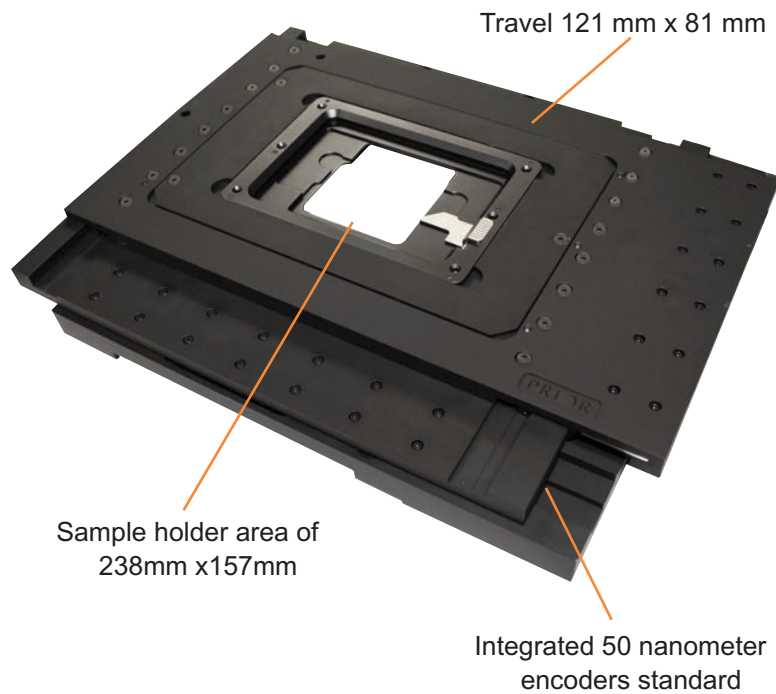




## HLD117NN

### High Precision Stage with Linear Motor Technology for Nikon Ti Microscopes



Prior's newest stage technology, the HLD117NN stage with Linear Motor Technology brings a new level to precision in microscope automation.

#### Features of the HLD117NN include:

- Superior repeatability - 0.15µm\*
- Faster scanning speeds up to 300mm/sec
- Low profile
- Ultra quiet operation
- Super smooth movements
- Integrates seamlessly with Nikon Elements
- Adapter plate available for Prior's range of sample holders
- Flat top design
- Integrated 50 nanometer encoders standard
- Sample holder area of 238mm x 157mm (Nikon standard)
- Compatible with Prior NanoScan Piezo Z stages
- Fixed stage cable eliminates cable drag improving performance
- Compatible with Prior PLW20 Well Plate Loader



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HIGHLIGHT OPTICS CO., LTD.

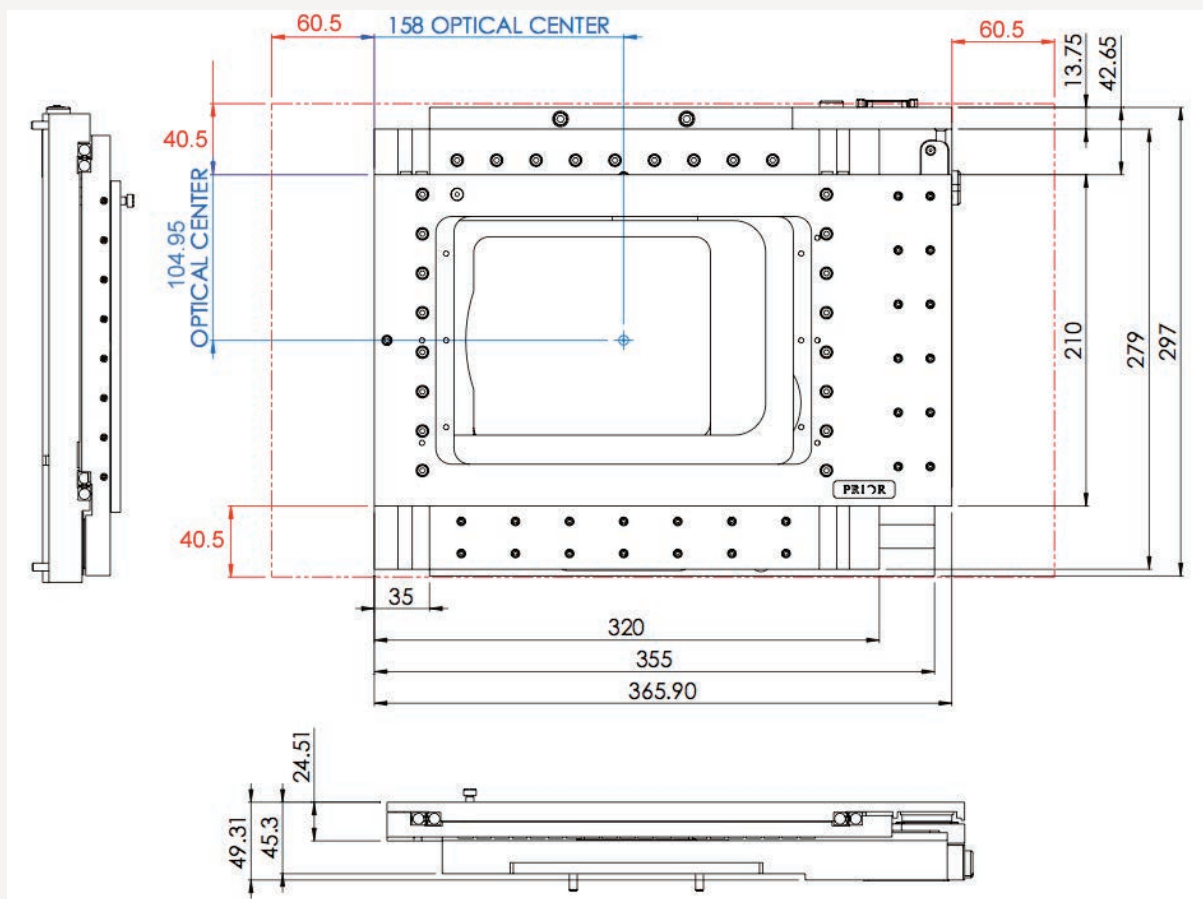
#### General Specifications

- Travel range: 121mm x 81mm
- XY repeatability: 0.15µm\*
- Minimum step size (resolution): 0.05µm
- Metric accuracy (per mm of travel): 0.045µm\*\*
- 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 45.35mm
- 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.



## HLD117NN Stage With Linear Stage Technology Ordering Information

Part Number	Description
TILDXY	ProScan linear motor XY stage kit including ProScan III LD controller, HLD117NN linear stage, PS3JNIK joystick and H473XR universal slide/petri holder
HLD31XYZ	ProScan III LD linear motor controller
HLD117NN	Prior linear motor stage for Nikon Ti microscope
PS3JNIK	OEM ProScan III Joystick for Nikon
HLW223XR	Insert to adapt HLD117NN to HLW20N well plate loader
HLD324	Adapter for standard Prior sample holder



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