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

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

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