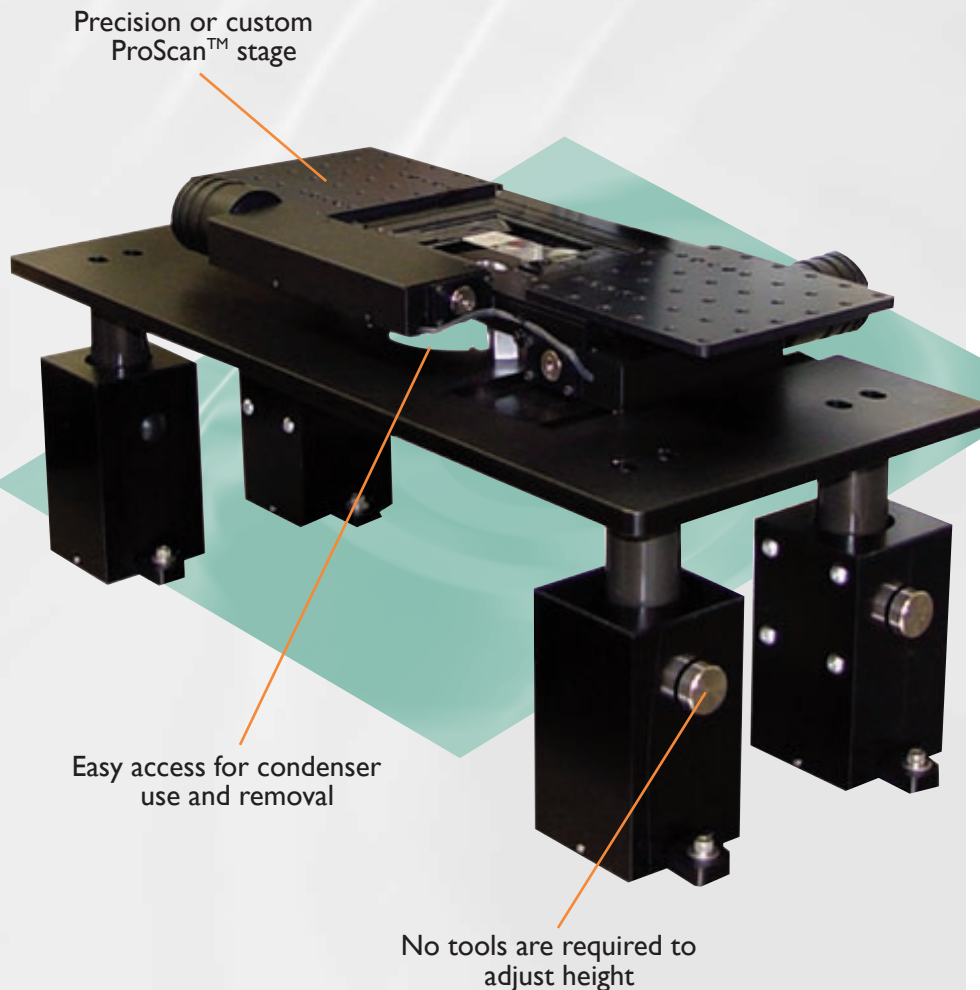


# Prior ZDeck Systems

For Nikon FNI Microscopes

## Features

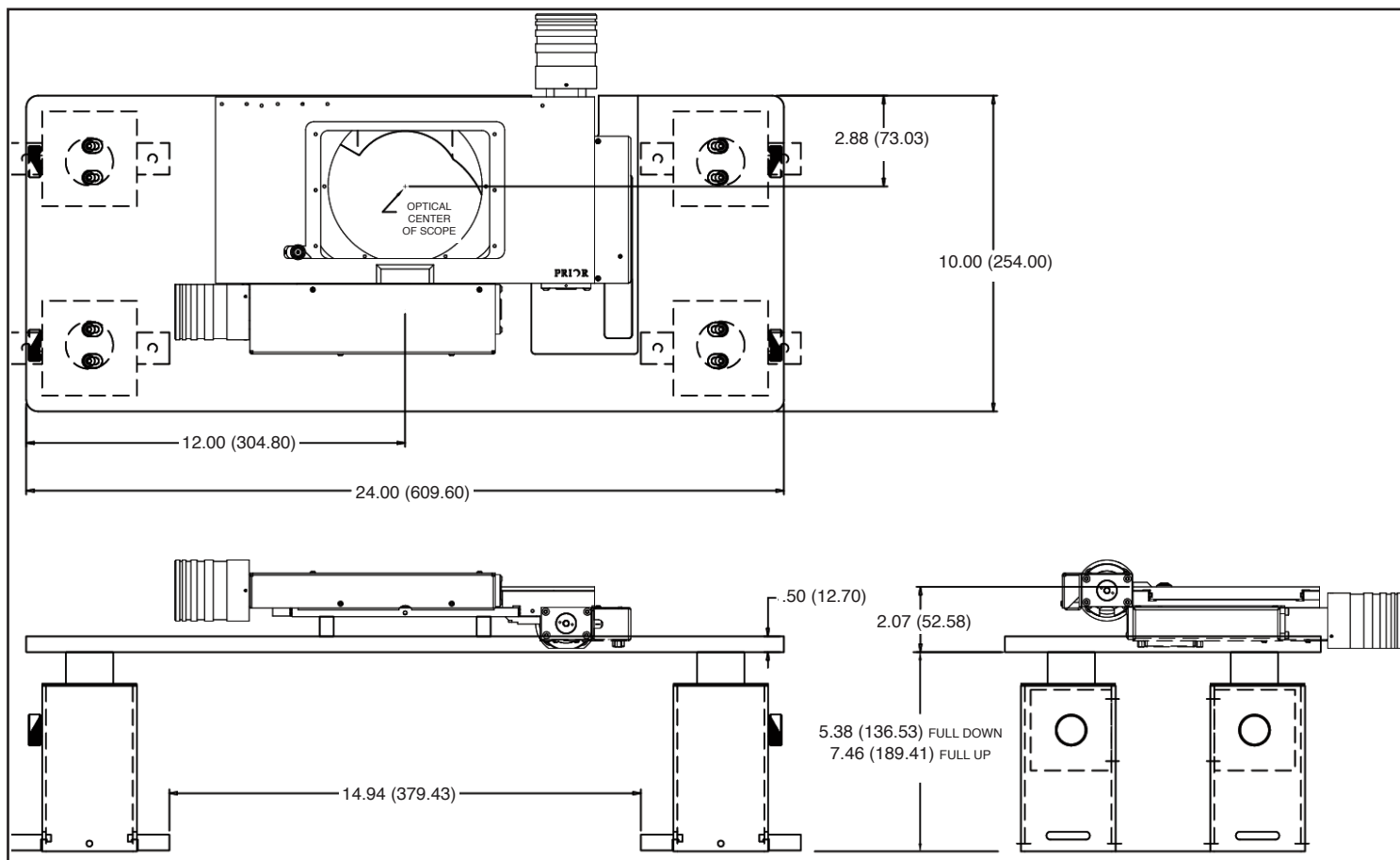


Prior Scientific is proud to introduce the Prior ZDeck quick adjust platform for Nikon FNI microscopes.

Benefits of the ZDeck include:

- Increased productivity – image multiple areas of interest with speed and precision.
- ZDeck lowers quickly and easily, providing easy access for loading and unloading samples.
- No tools are required to adjust the height. Changing between thin sample and whole animal imaging height can be accomplished in seconds.
- Pneumatic pistons in the ZDeck towers make raising and lowering the ZDeck virtually effortless.
- Precision or customized ProScan™ stage provides sub-micron repeatability and smooth movement.
- Compatible with 6mm or 1/4-20 vibration isolation tables.
- ProScan™III controller and PS3J100 joystick provide ultra fine XY stage control via dual digipots.
- Micromanipulator mounts – oversize 1/4-20 plates on both sides.
- Condenser spacer and pillar spacers provided to allow for Koehler illumination at a wide range of focus heights.
- Optional encoded XY stage for highest precision available.

# Prior ZDeck Systems



## General Specifications

**ZDeck travel** – 50mm

**Vibration table compatibility** – ¼-20 or 6mm

**XY travel** – 114mm x 49mm

**XY resolution** – 10 nanometers

**XY speed** – 15mm/sec

**Spacers provided** – 1 condenser, 4 pillar spacers

**ProScan controller power:** Universal external power supply. Input 100-240V, 50/60Hz., Max 1.6A

**ProScan computer interface:** RS232/USB, 9600 baud

**ProScan communication protocol:** 8 bit word, 1 stop bit, no parity, no handshake

## Ordering Information

Part Number	Description
HR01FNRISE	Prior high precision ZDeck system complete with Prior ZDeck, motorized ProScan™ XY stage, ProScan™III controller, PS3J100 joystick with dual digipot controls, universal holder, solid aluminum plate, two micromanipulator mounts, condenser spacer and four 10mm pillar spacers.
HR01FNERISE	Prior high precision ZDeck system complete with Prior ZDeck, motorized ProScan™ XY stage with 50 nanometer linear scales, ProScan™III controller, PS3J100 joystick with dual digipot controls, universal holder, solid aluminum plate, two micromanipulator mounts, condenser spacer and four 10mm pillar spacers.

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Specifications subject to change without notice.

