

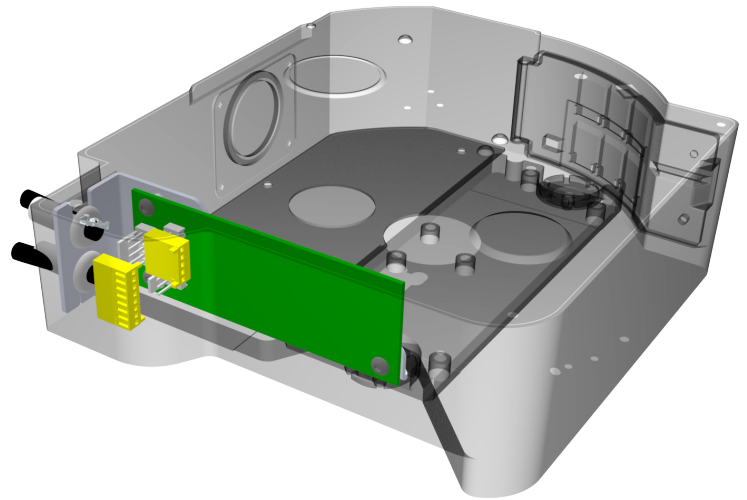
# HF6NTK

## Nikon Ti2 six position motorized turret upgrade kit

The Prior HF6NTK upgrade to the Nikon model Ti2-F-FLT-E six-position turret allows it to be controlled from Prior's ProScan<sup>®</sup> III controller.

It is suitable as an upgrade to an existing turret or purchased with a new Ti2-F-FLT-E turret\*.

Upgrading the turret allows it to be used with open-source microscopy software compatible with the ProScan III controller, or as part of customized instrument designs utilising Prior's open access SDK.



## Ordering Information

| Part Number | Description                                                                                                                                                                                  |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| HF6NTK      | Upgrade Nikon Ti-2 motorized turret for control by Prior ProScan <sup>®</sup> III. Requires two filter wheel drives on ProScan <sup>®</sup> III. The Nikon motorized turret is not supplied. |

\*Please note: the Nikon motorized turret is not supplied. ProScan III controller must have two free filter wheel drives available. Controller not included.

## Key Features

- Compatible with most major imaging software packages.
- Rapid switching (300 ms) between adjacent cubes.
- Enables motorization of the Nikon Ti2 without the purchase of the HUB-B motorization hub.
- Enables control of the filter turret and integrated shutter.

## Applications

- Confocal and super-resolution microscopy
- Fluorescence microscopy

## Compatible Prior Controllers

### Part Number Description

|          |                                                                                                                                                                                                                                 |
|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| V31XYZF  | ProScan® III Controller to control non-encoded XY stage, non- encoded Z focus, three filter wheels and three shutters, with 2x RS232, USB and programmable TTL. Supplied with SDK for easy software integration.                |
| V31XYZEF | ProScan® III Controller to control encoded XY stage, encoded Z focus, three filter wheels and three shutters, with 2x RS232, USB and programmable TTL. Supplied with SDK for easy software integration.                         |
| V31F     | ProScan® III Controller to control either; focus and two filter wheels and three shutters or three filter wheels, and three shutters, with 2x RS232, USB and programmable TTL. Supplied with SDK for easy software integration. |
| V31ADF   | Ancillary box containing controller for three filter wheels, and three ancillary box containing controller for three filter wheels, and three shutters, for upgrade to V31XYZE model.                                           |

## Related Prior Products

### Part Number Description

|                  |                                                                                                                                                                              |
|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ProScan H117N1N4 | Flat top ProScan® stage for Nikon Ti2/Ti inverted microscopes with travel range 114 x 75 mm, 1 mm pitch ball screw and 400 step motors.                                      |
| ProScan H117E1N4 | Flat top ProScan® stage for Nikon Ti2/Ti inverted microscopes with travel range 114 x 75 mm, 1 mm pitch ball screw and 400 step motors. Encoded with 0.05 µm linear encoders |
| ProScan HLD117NN | Flat top ProScan® linear motor stage for Nikon inverted microscopes with travel range 121 x 81 mm, with 50 nm encoders.                                                      |

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