Nikon Eclipse T2000-U

Compatible for all advanced live cell applications, this advanced inverted research station was conceived to provide the highest level of optical imaging for today’s competitive research scenes.

Rating: Not Rated Yet
Price
Sales price $25,000.00

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ManufacturerNikon

Description

Compatible for all advanced live cell applications, this advanced inverted research station was conceived to provide the highest level of optical imaging for today’s competitive research scenes.

The U model includes four ports, including a right-side port. Depending on the research techniques you are using, you can easily integrate various pieces of imaging equipment in your desired combination and placement.

The TE2000 is designed to accept retrofitable motorized options in major sections of the microscope, which allows the researcher to choose the desired combinations via the dedicated communications hub controller to suit the required research method.

The new Noise Terminator technology directs deviated stray light out of the objective light collection path. This results in images of high contrast and unparalleled S/N ratio during fluorescence observation using advanced techniques such as evanescence wave microscopy (TIRF) increasing the contrast and extending the detection level limit.

Taking advantage of infinity optics, the TE2000’s extendible design allows the distance between the objective and tube lenses to be extended up to 80mm (max.). This feature enables the researcher to add optional attachments without modifying the microscope. For example, by using optional stage risers you can add a laser light source, without affecting the performance or stability for standard epi-fluorescence or DIC techniques.

The TE2000 adopts CFI60 infinity optics, known for crisp, clear images at any magnification, while providing higher NA’s and longer working distances**.**

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Nikon implemented CAE analysis and adopted a new high-strength alloy material to produce a main body structure, in which minor ambient temperature fluctuations do not adversely affect the image to be captured.

The model TE2000-E features a motorized focus that is precisely controlled by high-precision Z-axis readout. This feature is perfect for research that requires comprehensive 3D information about the specimen.

The TE2000-E is provided with a mechanism, in which, when changing the objective magnification the nosepiece automatically decends and returns to the original height after the rotation finished. This design permits the researcher to rotate the nosepiece easily and safely to change the objective magnification.

- Frequently used buttons and controls are all located at the front and within easy reach. An external fine focus unit is available for the E model.
- The nosepiece is inclined to the left, making it easy to read the magnification and adjust the correction ring.
- The low-profile stage facilitates handling of specimens.
- The 25°-inclination eyepiece tubes, T-TP,T-TS, minimize fatigue during long hours of observation.
- An ergonomic tilting eyepiece tube is optionally available. The inclination angle is adjustable from 15° to 45°.
- Eye-level riser is available as option.