

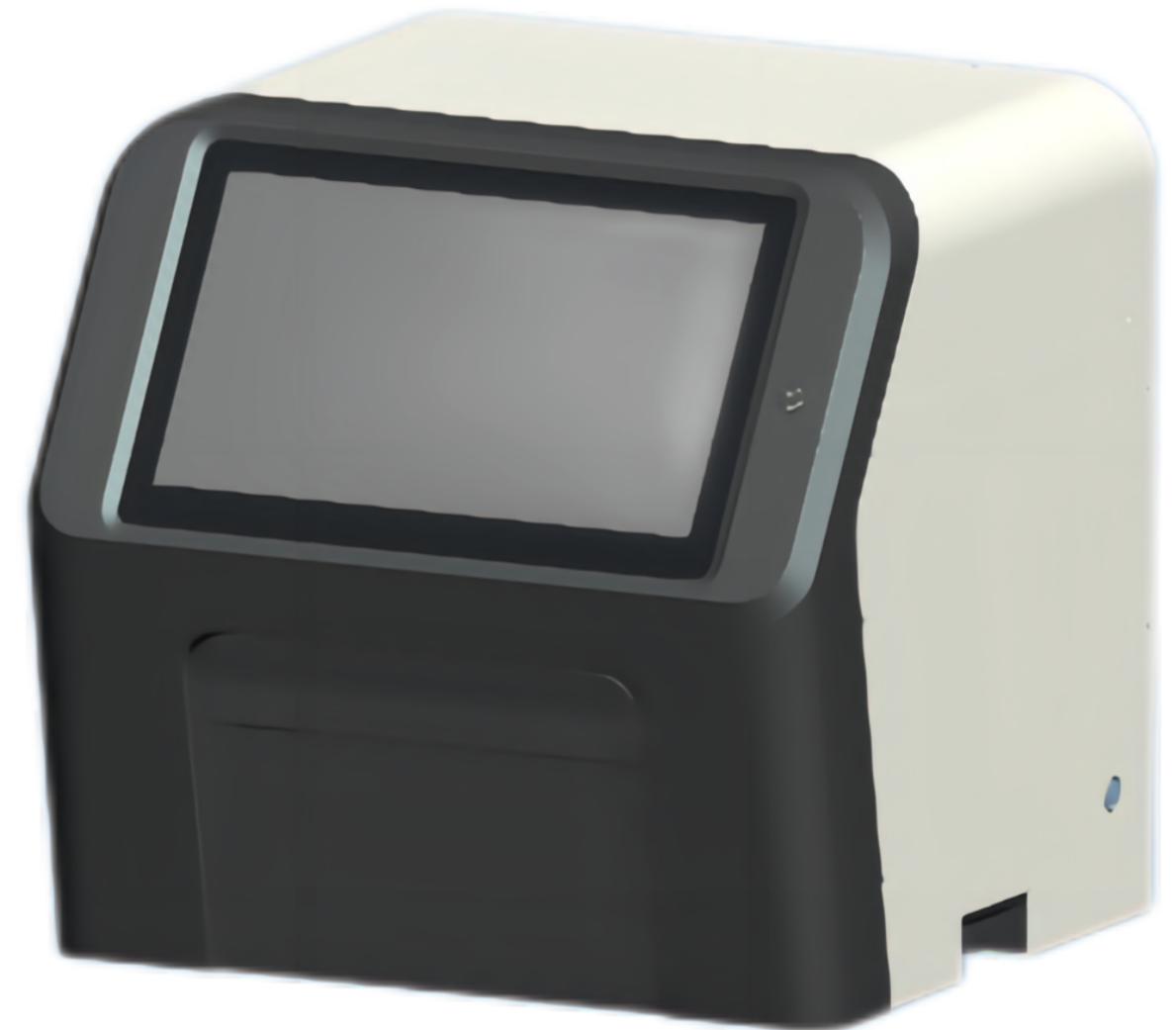


# NSS-5FL

Smart Fluorescence Scanner

## NSS-5FL Smart Fluorescence Scanner Specification

Slide capacity	5 slides	Stage	Screw stepper motor Stroke: 160 x 76mm Maximum speed: 24mm/s Five slides position
Slide dimensions	Thickness: 0.9–1.2mm, Size: 26 x 76mm	Focusing system	Lifting range 11mm Autofocus (including grating ruler accuracy 50nm) Speed: 3.6mm/s
Optical system	Infinite optical system	Nosepiece	Motorized backward quintuple nosepiece
Scanning resolution	≤ 0.50μm/pixel (20X) ≤ 0.25μm/pixel (40X)	Objective	Plan S-APO 2X, 20X, 40X
Scanning speed	60sec (15mm x 15mm area at 20X) 240sec (15mm x 15mm area at 40X)	Motorized fluorescence attachment	Motorized fluorescence turret and filter



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Specifications are subject to change without any obligation on the part of the manufacturer. 2022.09

# NSS-5FL Smart Fluorescence Scanner

Built-in integrated workstation can realize one-click scanning function, and fluorescence image acquisition, production, storage and management of slices.

★ Support a variety of scanning modes: real-time autofocus, provide a variety of scanning modes to meet the scanning needs of different slices: standard scanning, high-precision scanning, etc. Automatically identify the organization position to set the scanning area, automatically skip the blank area, and manually define the scanning area.

★ Digital slicing adopts JPEG or JPEG2000 compression technology, and can export TIFF format original images at different magnification.

## Expert Consultation



## Medical conferences and teaching



Easy to achieve a wide range of slice scanning



Small enough to fit different imaging systems



Digital scanning imaging system

Remote diagnosis system

Slides database

High resolution

## Plan semi-apochromatic objective

\* Optional

Various objective lenses can be selected according to the application requirements, including semi-apochromatic objective, advanced apochromatic objective.

The high NA of the standard semi-apochromatic objective provides high-resolution imaging from ultraviolet to infrared.

The unique nano hard multilayer coating technology greatly improves the transmittance of the objective lens, providing the highest quality imaging assurance for this microscope.

Optical resolutions of 2X 0.67 $\mu$ m, 20X 0.67 $\mu$ m, 40X 0.45 $\mu$ m can be achieved.



## Multi-slices Stage

The large-size microscope stage can achieve a large range of movement.

160mm in the X-axis and 76mm in the Y-axis.

5 slices can be placed at the same time to complete continuous fluorescence scanning.



## Motorized smart parts

The scanner is equipped with a variety of motorized components.

In addition to the XY motorized stage, the precise Z-axis control enables fast and accurate Z-stack and EDF imaging.

Motorized backward quintuple nosepiece, smooth switching, accurate positioning.

The four-hole motorized fluorescent turntable enables fast switching and multi-channel sequential fluorescence scanning.

