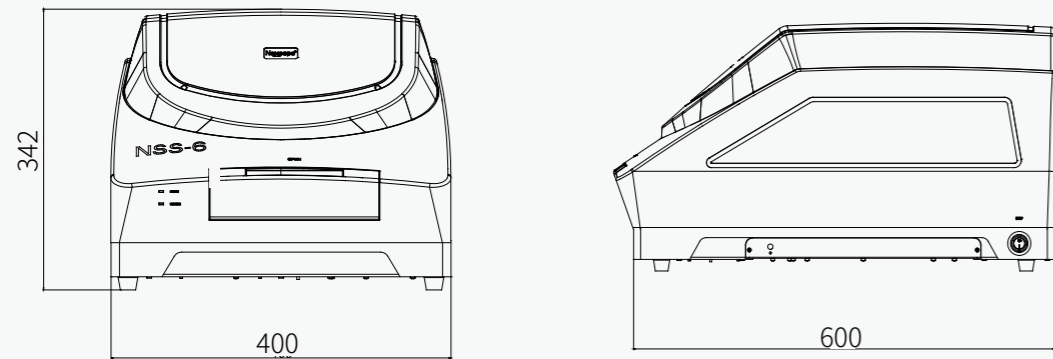


NSS-6 Digital Slide Scanner Specification

Slide capacity	6 slides	Repeat positioning accuracy	≤ 0.1um
Slide dimensions	Thickness: 0.9-1.2mm, size: 26 * 76mm	Focus mode	Automatic focus, automatic search for scanning samples, It can also be set manually
Objective	Plan apochromatic 20X, (N.A./0.8)	Scanning mode	Bright field scanning
Magnification	20x and 40x	Field of vision	1.3mm
Scanning resolution	≤ 0.48μm/pixel(20×) ≤ 0.24μm/pixel(40×)	Illumination System	LED with fly-eye lens
Scanning platform	Upscale maglev linear motor. High precision full closed loop drive control system	Software	Scanning, image browsing and management
Scanning speed	Scanning area 15 mm × 15 mm, 20× Scanning time ≤ 40 seconds	Weight	25Kg

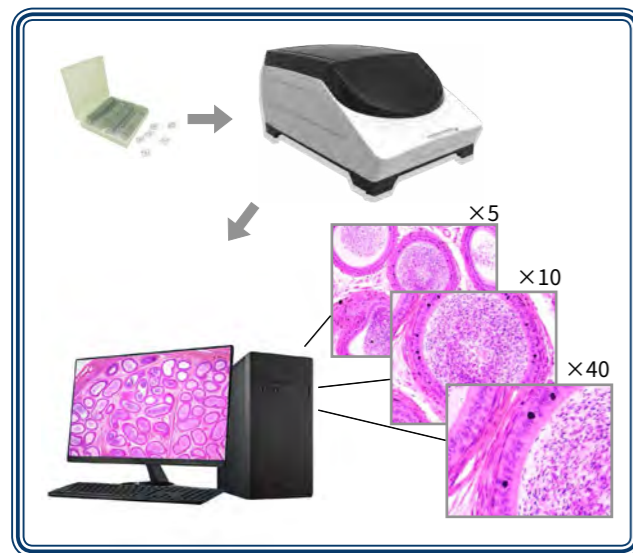
Dimension

Unit: mm



NSS-6 Digital Slide Scanner

NSS-6 digital slide scanner is with the automatic microscopic scanning and software system to scan and seamlessly stitch the traditional glass slide to generate a full field digital slide. It is mainly composed of slides automatic loading system, optical imaging system, scanning platform, control system and supporting software. It can scan the panoramic image of traditional glass slide with high speed and high resolution. Through professional map reading software, the image file can be zoomed in and out, area measurement and annotation can be carried out, and the panoramic image can be realized by Internet remote transmission, browsing. The traditional mode of reading slide under microscope is changed, which is more conducive to the application of image diagnosis, digital teaching and scientific research.



• High precision scanning platform

The unique magnetic suction glass plate ensures the precise positioning of slide carrier, avoids repeated friction during loading and unloading, ensures smooth loading and prevents damage from falling during loading. Upscale maglev linear motor is adopted: running speed is 3.2m/s, acceleration is 8g. High precision full closed-loop drive control system: X / Y axis motion resolution 50 nm, Z axis motion resolution 50 nm. The repeated positioning accuracy of slide carrier is less than 0.1um.

• High speed scanning

Linear scanning technology, equipped with high-speed linear scanning camera. Ensure high speed, high quality and stable scanning imaging. It can perform 20 times and 40 times high speed scanning. The tissue area was 15 mm × 15 mm, and the scanning time of 20 times was less than 40 seconds.

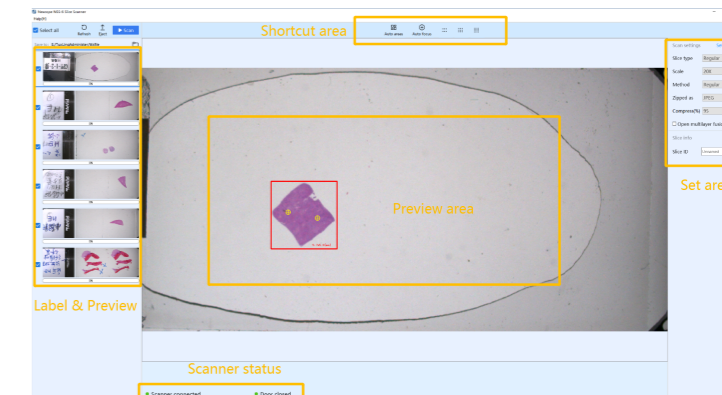
• Clear, bright and uniform imaging

Standard 20x plan apochromatic objective, N.A. = 0.75. High NA objective lens provides high light flux, improves the resolution of objective lens, and makes the image clearer. The Illumination System adopts customized LED professional light source and compound eye lens technology to ensure ultra-high light energy utilization and long-lasting uniform lighting.

Professional image scanning, management and browsing software

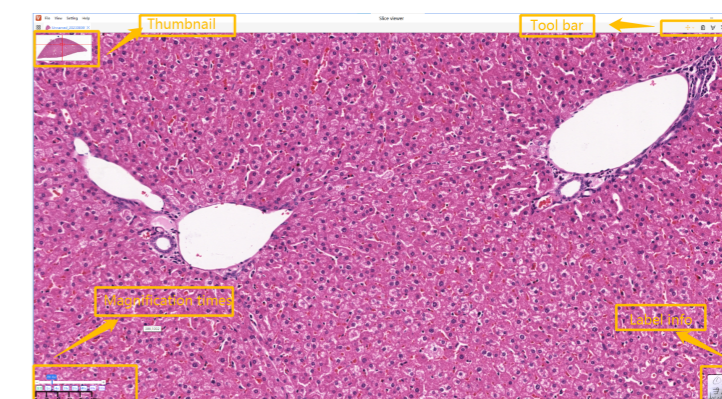
Batch scanning

Users can customize the scanning requirements, customize and store the scanning area, location, multiple, etc., and can quickly conduct batch scanning.



Picture management and browsing

- Image storage and import function for long-term archiving of experimental data;
- Image compression format support: JPEG, tiff, BMP and other formats;
- Scanning panoramic information digital slide under different scanning times, annotation and marking can be carried out;
- Standard teaching demonstration atlas can be formed for teaching;



Scope of application

It can be used in light field slides such as HE stained slides, immunohistochemical stained slides, frozen section stained slides, special stained slides, immunocytochemical staining pictures, etc.

Electronic reading and establishment of electronic medical records



Multi site expert consultation



Medical conference and teaching

