



NanoZoomer-RS, the newest member of the NanoZoomer family.

A compact and affordable digital slide scanner with the same high speed and image quality of the full size NanoZoomer.



Automated slide scanning capacity of 6 standard slides or 2 double size slides

The NanoZoomer series of digital slide scanners convert tissue on glass slides into digital slides at high speed with high resolution and color fidelity. The slides are created with a microscope equivalent magnification of 20 \times and a maximum spatial resolution of 0.23 microns. Offering the same performance as the larger NanoZoomer in a compact, lower cost design, the NanoZoomer-RS uses smaller slide trays that hold either 6 standard slides or 2 double size slides.

Sharing the same data output and formats as the larger NanoZoomer, the digital slides can be stored and distributed over the internet to remote users who access the slides as if operating a real microscope.



Features

- **TDI Scanning technology creates 2 billion pixels in 3 minutes**
High speed and high resolution are possible with TDI. Two billion pixels are created in an area of 20mm × 20mm at 20× without the complicated tiling of a regular CCD camera.
- **Small footprint**
- **Affordable cost**
- **Z-stack scanning for thick samples**
- **Optional slide tray to hold double size slides**
- **Optional feature to scan fluorescence slides**
- **Remote access through Internet using optional web server and software**

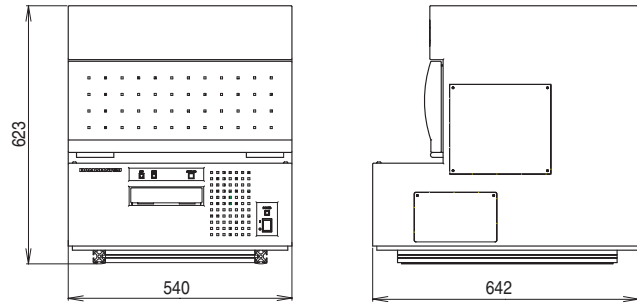
Applications

Digital slides are becoming an indispensable technology in pathology and the key to the future of laboratory networking, information storage, data mining and pathology research.

- **Remote pathology and consultation networks**
- **High quality education of medical students and doctors**
- **Slide conference**
- **Integration into laboratory information system**
- **Research tool for tissue microarray or tissue analysis**

Dimensions (Unit:mm)

NanoZoomer-RS Scanner (Type: C10730-03)



Specifications

NanoZoomer Specifications	NanoZoomer-RS C10730
Compatible slide glass	Standard size (26 mm × 76 mm), Thickness 0.9 mm to 1.2 mm (with cover glass) and Double size (52 mm × 76 mm) optional
Slide handling	Slide trays are available for 6 standard slides or 2 double slides.
Scanning range	25 mm × 52 mm for standard size slide and 50 mm × 52 mm for double size slide
Objective lens	20× N.A. 0.75
Spatial resolution	0.23 μm/pixel (40× high resolution mode) 0.46 μm/pixel (20× standard mode) 0.92 μm/pixel (10× standard mode) (Optional)
Scanning method	TDI (Time Delay Integration)
Automatic Scanning	User selectable (Automatic, Semiautomatic and manual)
Z-stack scanning	User selectable (Number of layers and the distance)
Barcode Reader	One-dimensional, standard (Two-dimensional optional)
Fluorescence slide scanning	Optional
Scanning time	Approx. 3 min at the 20× mode Approx. 12 min at the 40× mode. Approx. 70 sec at the 10× mode (Optional) (20 mm × 20 mm area is scanned)
Slide Setup time	Approx. 2 min.
Image compression	JPEG compression
Slide format	Original (JPEG compressed image + slide information)
Dimensions (including its base)	540 mm(W) × 623 mm(H) × 642 mm(D); scanner part
Weight	Approx. 60 kg
Power Supply voltage	AC 100 V to AC 240 V
Power Consumption	400 V·A
Compliance	CE

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