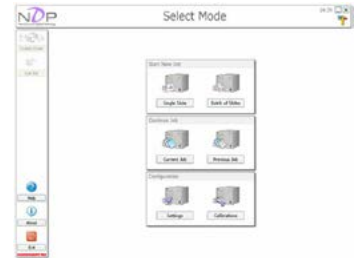Image acquisition software

NDP.scan

Features two "Batch" modes for dealing with large numbers of slides, and a "Single" mode for dealing with individual slides.

The NanoZoomer series comes with its own image acquisition software, NDP.scan, which provides an easy way to convert glass slides into digital ones. You can choose from three different scan modes to fit your applications.

Batch modes

Fully Automatic
Automatically loads and scans each slide.

NDP.scan performs all necessary operations automatically. This includes loading slides, recognizing the sample location, and setting the scan areas, focus points, and other options.

It can scan up to the maximum slide capacity (XR: 320 slides, S210: 210 slides, S60: 60 slides) automatically.

Semi Automatic
Automatically scans all slides. You can set specific scan options manually.

NDP.scan will scan the slides automatically after you set the scan options for each slide.

- Configurable Options -
Scan area
Scan resolution (20× or 40× mode)
Number of layers (Z-stack)
Focus point locations

Single mode

Single Slide Mode
You set scan options for each individual slide.

You can set scan options for each individual slide. The configurable options are the same as those available for Semi Automatic.

Also, in Single Slide Mode, you can verify the focal points and make precise adjustments manually to each focus point.
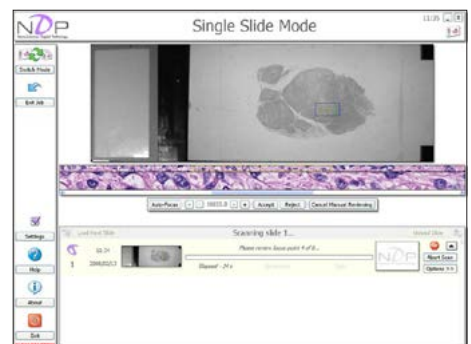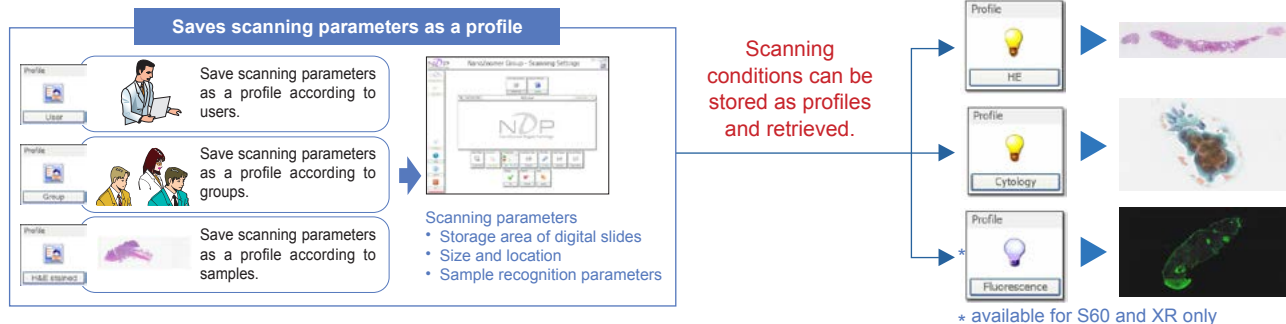
HAMAMATSU

PHOTON IS OUR BUSINESS

Image acquisition software NDP.scan

Convenient and user-friendly scan features

Profile functions (Saves scanning parameters for each user or sample)

Saves scanning parameters as a profile

Save scanning parameters as a profile according to users.

Save scanning parameters as a profile according to groups.

Save scanning parameters as a profile according to samples.

Scanning parameters
• Storage area of digital slides
• Size and location
• Sample recognition parameters

Scanning conditions can be stored as profiles and retrieved.

Profile HE

Profile Cytology

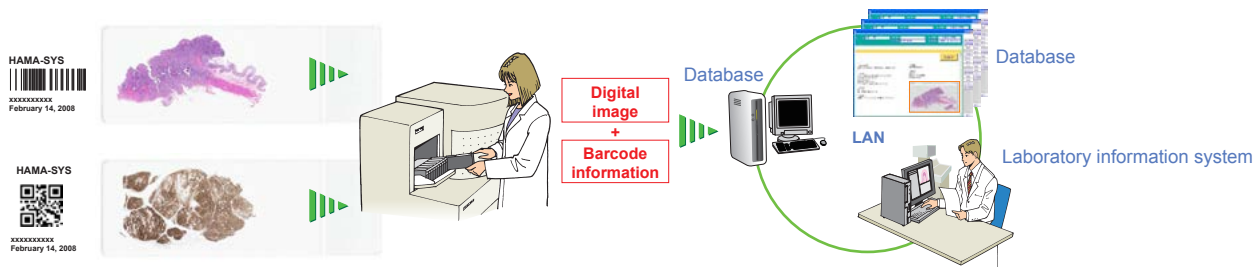Profile * Fluorescence

* available for S60 and XR only

Barcode reading (Automatically reads a slide's barcode information for inclusion in the digital slide)

NDP.scan can automatically read a 1D* or 2D** barcode and include this information in the digital slide. This function makes it easy to share slide data with other databases.
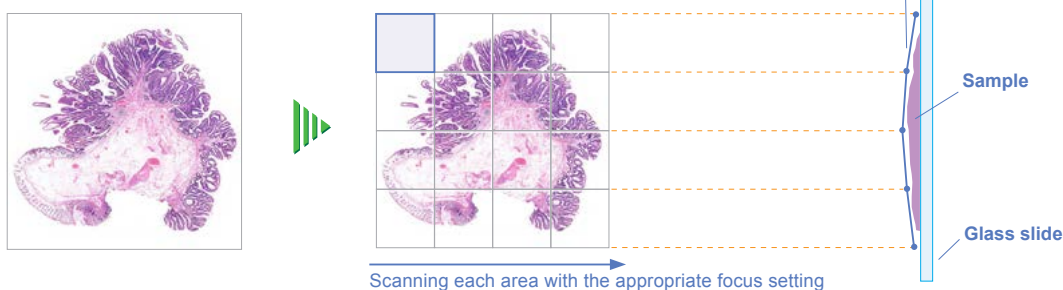*1D barcode reading is standard; **2D barcode reading is optional.

*1D barcodes: code39, code128
**2D barcodes: Data Matrix, QRcode, MicroQR
Please consult with your local sales representative.
if you would like to inquire about other kinds of barcodes.

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Digital image
+
Barcode information

Database

Database

LAN

Laboratory information system

Ability to handle samples with uneven surfaces (Adjusts focus as though it were tracing the sample surface)

NDP.scan can adjust the focus as though it were tracing the sample surface. The NanoZoomer series uses a single focal plane for even surfaces, but if the surface of a sample is uneven, the NanoZoomer series will break the sample area up into smaller regions and assign an appropriate focal plane to each area.

Setting the most appropriate focus position for each area

Sample

Glass slide

Scanning each area with the appropriate focus setting

* In EU, five types of NanoZoomer (NanoZoomer-XR, NanoZoomer-SQ, NanoZoomer S210, NanoZoomer S60, NanoZoomer S360), NDP.view2 (U12388-21), NDP.view2 Plus (U12388-22) and NDP.serve3 software are CE marked under EU's In Vitro Diagnostics Directive (IVDD) for in vitro diagnostic use.
In China, three types of NanoZoomer (NanoZoomer 2.0-HT, NanoZoomer2.0-RS, NanoZoomer-XR) are registered for in vitro diagnostic use.
In the US, Japan and other countries, NanoZoomer is for research use only and is not permitted to use for clinical diagnostic purposes.
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