Oncotopix® Scan

Fast and high-quality Digital Pathology

Oncotopix® Scan covers the full range of whole slide scanners from Hamamatsu, the technology leaders in digital pathology with their proven, fast, and highly reliable scanning solutions.

The Oncotopix® Scan family consists of whole slide scanners that meet the needs of any laboratory, from small to large. The scanner enables fast scanning of high resolution digital images of entire slides for reading, annotation, storage, retrieval, analysis and image sharing via a network to aid consultation and record keeping.

Oncotopix® Scan is part of Visiopharm’s Augmented Pathology™ solutions for research and diagnostics, that combines high-throughput pathology with precision pathology.

All scanners are CE IVD marked for diagnostic use in Europe.

Oncotopix® Scan Advantages

- High throughput scanners of tissue slides
- Flexible capacity to suit your laboratory
- Digital image quality check to reduce workload
- Fast, reliable and easy-to-use
- Intuitive software with efficient workflow overview
- Option to include fluorescence for multiplexing and other purposes
- Z-stack scanning of whole slides
- Optimized workflow with seamless integration to various LIS, LIMS and PACS
- Support all major whole slide formats
NanoZoomer-SQ

NanoZoomer-SQ is Hamamatsu’s new desktop scanner for creating whole slide images one slide at a time. Its compact size makes it suitable even for the smallest lab, while maintaining reliability and robustness.

- Capacity: 1 Slide (26x76 mm)
- Scanning speed*: 20x: 150 sec  40x: 275 sec
- Magnification: 20x / 40x
- Contrast: Brightfield

NanoZoomer S60

The newly developed NanoZoomer S60 supports both brightfield and fluorescence imaging, as well as standard and double sized slides.

- Capacity: 60 Slides (26x76 mm)
  30 Slides (52x76 mm)
- Scanning speed*: 20x: 60 sec  40x: 150 sec
- Magnification: 20x / 40x
- Contrast: Brightfield/fluorescence

NanoZoomer S210

The mid-range NanoZoomer S210 provides high performance, capable of handling a large number of slides at low cost without sacrificing the high-definition image quality and equipment reliability.

- Capacity: 210 Slides (26x76 mm)
- Scanning speed*: 20x: 60 sec  40x: 150 sec
- Magnification: 20x / 40x
- Contrast: Brightfield

NanoZoomer S360

The NanoZoomer S360 is the next generation of digital slide scanners that delivers rapid yet high-quality scanning. It quickly processes a huge volume of slides and the precise auto focus function assures in-focus images.

- Capacity: 360 Slides (26x76 mm)
- Scanning speed*: 20x: 30 sec  40x: 30 sec
- Magnification: 20x / 40x
- Contrast: Brightfield

* 15x15 mm specimen area. Time may vary
**Handle Slides**
Easy-to-use and robust racks ensures fast and secure handling of your specimen. Automatic identification of barcodes ensures safe and efficient workflow.

![Easy load and scan standard and double sized slides.](image)

**Image Quality**
All Oncotopix® Scan scanners use the latest CMOS technology for image capture to ensure the highest resolution and the best color fidelity.

**Multilevel scanning of whole slides**
Whole slides can be scanned at different focus levels to re-create the Z focus facility of a microscope. The number of levels and the distance between levels can be set by the operator.

**System Integration**
To be able to handle large volumes of digitized slides it is important to have a seamless workflow integration with LIS, LIMS and/or PACS. By reading the barcode on the slide it will automatically be linked to the correct patient case or research.

**Scanning software**
NZAcquire/NDP.Scan is an intuitive and dynamic interface that controls the whole slide scanning process. The software offers fully automated batch slide scanning as well as manual scanning with the possibility to change all parameters.

Multiple users can share a scanner using the profile function. Each user can set up their own profile, such as scanning parameters and slide storage area making the system flexible and adaptive to different workflows.

**Efficient overview of the scanning process.**

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**Oncotopix® Digital Pathology Solution**

![NanoZoomer](image)

**VISIOPHARM ONCOTOPIX® SOFTWARE**

- HAMAMATSU IMAGE SERVER
- AND
- STORAGE

**+**

- LAPTOP PC
- OR
- DESKTOP PC
Augmented pathology

Visiopharm is a world leader in Augmented Pathology™ solutions, implemented in the Oncotopix® suite of digital pathology software modules. Oncotopix® digital pathology solutions combines precision pathology with high-throughput pathology in a scalable software solution that fits the needs and volumes of any lab, and seamlessly plugs in to laboratory workflows via the IMS, LIS or PACS systems already installed in the lab. Precision pathology provides standardized image analysis of stained tissue slides for decision support, that reduces or eliminates variability and error sources and provides diagnostic readings with significantly improved interpretive accuracy. Oncotopix® provides software capabilities and modules for automation, thus enabling the implementation of high-throughput pathology. Capabilities include automation for analysis (physically or virtually) of multiplexed data, separate tumor from stroma, identify the invasive tumor front, discriminate between invasive and pre-invasive lesions, visualize and characterize tumor heterogeneity, and locate hot-spots in the slide.

Visiopharm Viewers offer fast navigation

The Oncotopix® Viewer is a central part of Visiopharm’s digital pathology solutions and validated for in vitro diagnostic use in Europe (CE IVD) in combination with the CE IVD APPs from Visiopharm. The Viewer has support for the widest range of whole slide formats on the market, and support brightfield, fluorescence as well as multispectral image modalities. The Viewer is optimized for visualization and navigation of high-resolution slides on high-definition monitors, with unsurpassed speed. It is prepared and optimized for image analysis and provides high-speed visualization even with overlays from image analysis of the entire slide.

Our Viewer Advantages:

- Fast navigation innovated to new levels
- Clean full screen mode for ultimate viewing of whole slides
- Detachable window for instant navigation and case overview
- Comprehensive set of tools for measuring and drawing regions of interest
- Widest range of supported file formats
- Optimized against all monitor sizes and resolutions including Ultra HD
- APPs plug in for advanced automated analysis of various cell structures
- Widest support of whole slide formats including Field-Of-View (FOV) image types

Disclaimer: The range of Hamamatsu NanoZoomer scanners are distributed in selected countries in Europe, please contact our sales department on sales@visiopharm.com to learn more. All scanners are CE IVD marked for diagnostic use in Europe. In the US, NanoZoomer is for research use only and is not permitted to use for clinical diagnostic purpose.