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IntelliSite

Pathology Solution

Digitize your workflow for clinical diagnosis

The Ultra Fast Scanner (UFS) is a high throughput bright field scanner designed to accommodate current histopathology needs for routine use in high volume labs and integrated pathology networks. The Ultra Fast Scanner is part of the Philips IntelliSite Pathology Solution.

It features continuous auto focus, 300-slide storage capacity, and total slide handling time (including scan) of less than 60 seconds per slide (for an average 15 x 15mm scan area).

The UFS leverages decades of Philips experience in clinical digital imaging, giving you the speed, quality, and reliability necessary to succeed.

Key advantages

- Clinically driven workflow

- 1-step "load & walkaway" operation, scanning starts automatically

- Auto tissue detection

- Add/remove and re-prioritize slides without interrupting the scanning process

- Consistent high quality images through continuous autofocus

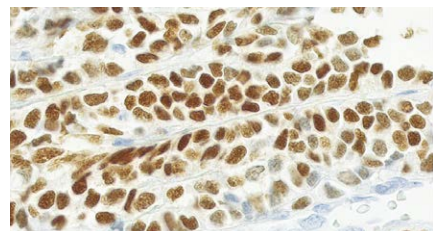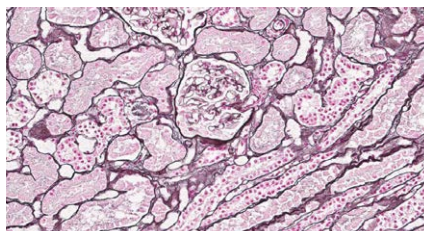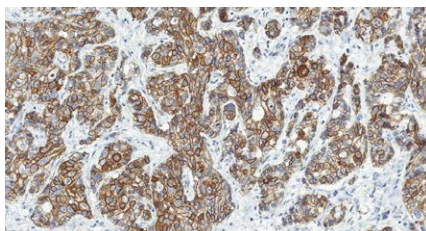# Improve workflow efficiency and **connect your team**

Imagine, no shipping, no storage, no breaking. Our Ultra Fast Scanner puts you in control of your growing volume of tissue section imaging requests. Now you can turn those glass slides into information-rich digital images. Part of our comprehensive Philips IntelliSite Pathology Solution, the easy-to-use UFS combines superb image quality with high speed scanning.

Easy, automated operation

Simplicity of operation is key in a high volume lab. We designed our system based on an intuitive "load & scan" operation so that the operator only needs to open the scanner door, add the slide rack, close the door, and the system will continue automatically. Actual scanning is executed without any user interaction ("walk away" scanning), saving your lab technicians valuable time. The UFS is controlled via an integrated LCD touch-screen. No additional PC is required. Full barcoded integration imports data from the Laboratory Information System (LIS) for slide and case association.

High quality images

Never miss focusing on specific regions. The UFS features Continuous Auto-Focus, which means that it finds and maintains focus while it scans the slide, without any human intervention. Scanning and focusing are performed simultaneously, saving you significant time. Each slide is scanned at the equivalence of 40 times magnification for superb image resolution.

Ready for volume and speed
The UFS is designed for high volume scanning. With state-of-the-art image processing and slide-handling technology, it can scan up to 60 slides per hour (480 slides in an 8-hour shift), using dedicated image processing electronics and double gripper technology. A storage capacity of 300 barcoded slides allows the scanner to run overnight. It also supports a continuous scan mode, meaning it can be loaded and re-loaded at any time without interrupting the scanning process.

Connect your team
The creation of digital images supports fast and easy knowledge sharing with other pathologists, who may only be available via remote consultation. It improves your ability to become a cost-effective center of excellence and helps satisfy demand for increased productivity.

Philips IntelliSite Pathology Solution[1] is the innovative tool to advance pathology toward predictive health management and ultimately better patient care.

1) In the European Union, the Philips IntelliSite Pathology Solution is CE marked under the European Union's 'In Vitro Diagnostics Directive' for in vitro diagnostic use.
In Canada, the Philips IntelliSite Pathology Solution is licensed by Health Canada for in vitro diagnostic use.
In the United States, the Philips IntelliSite Pathology Solution can be used for in vitro diagnostic purposes.
The Philips IntelliSite Pathology Solution is registered for in vitro diagnostic use in Singapore and Middle East.

To learn more, please visit:

www.philips.com/digitalpathology or
www.usa.philips.com/digitalpathology

Technical specifications Ultra Fast Scanner

Slide capacity	300 slides (15 racks each hold 20 slides)	**Slide rack**	Winlab LS-20/Winlab LSM-20, Sakura 4768 20-slide basket
Total handling and imaging time per slide	60 seconds at 40x equivalent (15x15 mm scan area)	**Barcode support**	DataMatrix (recommended), Code 39, Code 128
Scanning method	TDI line scanning	**Operating temperature**	10 to 35°C (for performance)
Microscope objective	Olympus, NA of 0.75 Plan Apo	**Relative humidity (no condensation)**	30 - 80% (for performance)
Focus method	Continuous auto focus		
Pixel size/resolution	0.25 μm/pixel	**Dimensions of scanner**	656 x 933 x 587mm (LxWxH)
UFS output format	iSyntax Philips proprietary file format with either RAW or iSyntax compression	**Weight of scanner**	137 kg
		Power supply	110-230 VAC, 50/60 Hz, 750 Watt
Compliance to standards	IEC 61010-1:2010; IEC 61010-2-101:2015; IEC 61326-2-6:2013; FCC Part 15.	**UFS connectivity ports**	USB2.0, with 2 x RJ45 connectors, Ethernet cable for 10GB and/or 1G/100MB

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