



Designed to meet the needs of high volume laboratories and integrated pathology networks

Philips IntelliSite Pathology Solution IVD for Diagnosis.

The Philips IntelliSite Pathology Solution IVD is based on the Philips Pathology Solution Technology Platform which comprises the Philips IntelliSite Pathology Solution Image Management System (IMS) and the Philips IntelliSite Pathology Solution Ultra Fast Scanner (UFS).

The Philips IntelliSite Pathology Solution IVD is intended as an aid to the pathologist to view, review and diagnose digital images of stained slides. The pathologist needs to ensure the validity of the diagnosis by employing the appropriate morphological studies and controls. The Philips IntelliSite Pathology Solution is an automated digital slide creation, management, viewing and analysis system that can be used for Diagnosis in clinical histopathology laboratories.

In Vitro Diagnostic Medical Device



Philips IntelliSite Pathology Solution Ultra Fast Scanner (UFS) 1.6

Philips IntelliSite Pathology Solution Image Management System (IMS) 2.4

Workflow driven

Ease of use

With a 2-step "Load & Scan" operation; scanning starts automatically, saving time, technician training simplified

Continuous processing

Add/remove slides without interrupting the scanning process

Full barcode integration

Data import from LIS for slide & case association

Workflow / smart features

- Image alignment automatically aligns multiple serial tissue sections for synchronized panning and zooming
- Tissue detection automatically suggests bookmarked area for single click slide navigation
- Smart navigation via a combination of intuitive workflow oriented shortcuts keys and novel clickless panning for comfortable navigation of images

High performance

High throughput

- A storage capacity of 300 slides
- 60 seconds per slide at 40x equivalent (15 x 15 mm scan area)
- High image quality through continuous autofocus

Ease of use

- Auto tissue detection; eliminating extra steps, saving valuable time
- Automated "walk away" scanning

Speed

- The IMS aims to improve efficiency and effectiveness of pathology labs to get pathologists through cases as fast as possible. Case centric work list helps organize workload
- Fast workflow navigation for next slide and case
 - Advanced navigation tools incl. magnifier zoom and bookmarks
 - Performance design for handling > 1,000,000 cases
 - Performance and capacity based storage architecture for enhanced viewing performance

Collaboration made easy

Enhanced tools for interaction and remote viewing with the aim to improve information sharing and simplify connectivity.

- Single, unified case list over multiple locations
- Simple case sharing via secure web link
- Simultaneous viewing with real-time collaboration
- Non-intrusive notifications with single click access to a shared session directly from the image viewer

Seamless integration

Seamless integration with workflow and information systems. LIS can remain the central system to drive the workflow for case dispatching and reporting.

- Role-based access with secure user login
- Customizable bi-directional LIS connectivity and communication

Technical specifications

Philips IntelliSite Pathology Solution 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° (for performance)
Microscope objective	Olympus, NA of 0.75 Plan Apo	Relative humidity (no condensation)	20 - 80% (for performance)
Focus method	Continuous auto focus	Dimensions of scanner	993 x 656 x 587mm (LxWxH)
Pixel size/resolution	0.25 µm/pixel	Weight of scanner	129 kg
UFS output format	iSyntax Philips proprietary file format with either RAW or iSyntax compression	Power supply	110-230 VAC, 50/60 Hz, 150 Watts
Compliance to standards	EN 61010-2-101:2002, EN 61326-2:2006, CAN/CSA-C22.2 No 61010-2-101.04, UL 61010-2-101, FCC Part 15	UFS connectivity ports	USB2.0, with 2 x RJ45 connectors, Ethernet cable for 10GB and/or 1G/100MB

Philips IntelliSite Pathology Solution Image Management System Viewer – minimum hardware requirements

CPU	Dual-core @3GHz	Operating system	Any operating system supporting a browser with Microsoft Silverlight® 5
RAM	3GB of physical RAM memory	Other software	A PDF reader (e.g. Adobe Acrobat Reader)
Monitor	Resolution: 1600 x 1200 Size: 21" Brightness: 300 cd/m²	Connectivity	100Mbit or 1Gbit Ethernet connection to internet/intranet
Browser	Internet browser supporting Microsoft Silverlight® 5		

Philips IntelliSite Pathology Solution Image Management System Application Server & storage – options

Storage capacity	Flexible and extendable storage configurations from Terabytes to Petabytes
Configuration options	Single and multi site
LIS interface	HTTP/XML, or HL7 via LIS broker

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In Vitro Diagnostic Medical Device

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