



Clinical depth anywhere, anytime

Philips IntelliSpace PACS solution

PHILIPS
sense and simplicity

Informed images everywhere it matters

Philips is a leader in clinical imaging and in the innovation of clinical imaging informatics. The Philips IntelliSpace PACS solution provides rich multi-modality clinical insights anywhere,¹ anytime by simplifying PACS with a unique approach to meet clinical needs across the enterprise.

Comprehensive service

A comprehensive service delivery model is easily adapted to organizations of all sizes. Offered on a fee-per-study basis, IntelliSpace PACS 4.4 provides proactive monitoring, software upgrades and unlimited workstation licenses, with uptime and image delivery times guaranteed.

Advanced capabilities

Advanced 2D/3D/4D viewing,² clinical applications, and workflow tools provide relevant data, facilitating collaboration throughout the enterprise with built-in flexibility, scalability, and interoperability to enhance clinician workflow, patient care, and financial outcomes.

An enhanced experience right from the start

The solution starts with an architecture that provides fast access to diagnostic-quality images with low system demand, an open platform, and a rich application programming interface (API).³ This allows you to easily access specialized workflow tools, anatomical libraries, and other applications such as enterprise information systems.

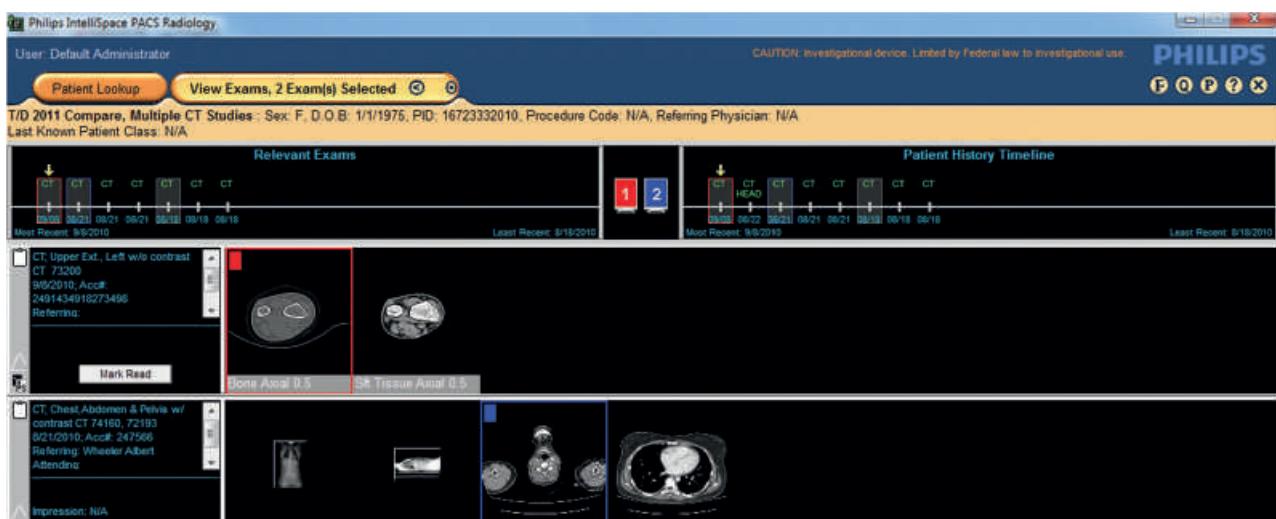


Key advantages of the Philips IntelliSpace PACS solution

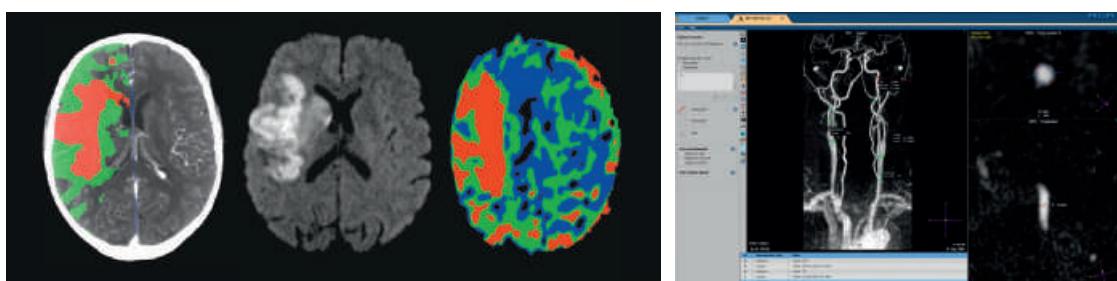
Clinical enterprise workflow solutions to drive productivity	Includes single-user interface, 2D/3D/4D software capabilities, volumetric data interpretation, and interfacing with other decision support tools within PACS, including a unified patient timeline.
Advanced workflow tools support effective decision making	Workflow Layer application tools help manage communications, ED discrepancies, peer review, critical findings, and assignment and resident workflow.
Interoperability removes boundaries to care	The open application programming interface (API) allows customization and supports choice of best-of-breed tools so radiologists can access information.
Comprehensive service delivery model enhances infrastructure investment	Our comprehensive service delivery model provides additional tools to simplify operations and manage costs, leveraging infrastructure investment. Philips uses a shared-benefit business model that demonstrates our commitment to you: we only grow when you grow.

A proven solution

The Philips IntelliSpace PACS solution supports thousands of clients in facilities ranging from imaging centers to orthopedic groups to 5,000-bed multi-facility healthcare groups. Philips has enjoyed a long, successful history as a PACS provider and is cited by leading industry analysts as a PACS vendor considered most often in the purchase decision.



The IntelliSpace PACS 4.4 timeline provides an overview of the patient's imaging history and all relevant studies at a glance.



IntelliSpace PACS Radiology and Enterprise 4.4 deliver – in three seconds or less⁴ – diagnostic-quality images across modalities, specialties, and systems.

Key advantages for care providers and administrators

Clinicians	Appreciate fast enterprise-wide access to images
Radiologists	View prior studies just as quickly as new ones and access the tools necessary for efficient interpretation and image comparison
Caregivers	Access needed clinical depth through advanced clinical applications
Hospital administrators	Appreciate the cost savings and predictability of the service delivery model, as well as the flexibility to use the operations budget, rather than the capital budget
Administrators	Can enhance a legacy PACS with web-distribution viewing capabilities

A powerful portfolio

Through advances in workflow management, image review, reporting, and clinical applications, the IntelliSpace PACS solution is designed to drive interoperability and enhance productivity. The solution encompasses a powerful and growing portfolio of applications that guide informed decisions with advanced clinical capabilities, providing relevant data and collaboration throughout the enterprise.

IntelliSpace PACS Radiology 4.4

By accelerating study review with on-demand delivery of diagnostic-quality images, this comprehensive radiology reading application creates a single view of images and information, helping improve departmental productivity and enhance diagnostic confidence.



IntelliSpace PACS Enterprise 4.4

Bringing the power of radiology to the point of care, this clinician-designed, web-based application delivers diagnostic images and patient information virtually anywhere across the enterprise, with image delivery in three seconds or less.⁴ It can also web-enable a legacy PACS, leveraging prior investments.



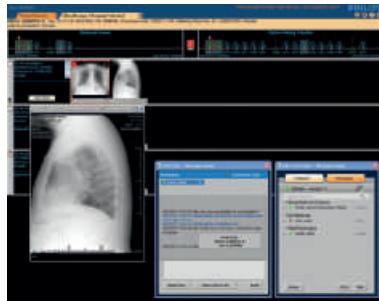
IntelliSpace PACS iVault 4.4

A comprehensive system for managing and protecting your data, IntelliSpace PACS iVault offers always-online medical image storage in a secure, scalable system that reduces cost and complexity. Utilizes a “least cost retrieval” mechanism to deliver images from the optimal source available on the network.



IntelliSpace PACS Workflow Layer 2.0

With powerful clinical workflow features and value-added functionality, this web-based information management application streamlines radiology workflow efficiency, enhances communication and reporting, and facilitates the delivery of patient care.



IntelliSpace Cardiology Enterprise Viewer R1.1⁵

For fast access to cardiology results across the enterprise, this application facilitates fast decision-making for IntelliSpace PACS 4.4 users, with on-demand access to finalized cardiovascular studies.



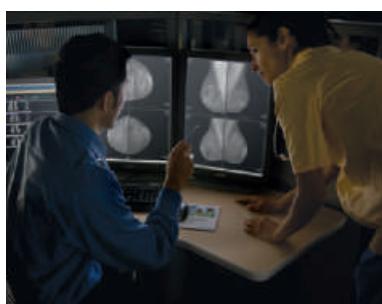
IntelliSpace PACS VNA Support

Specific features allow IntelliSpace PACS 4.4 to serve as a front-end interface for customers with vendor neutral archives desiring fast, familiar, and clinically rich viewing capabilities combined with efficient workflow management.



IntelliSpace PACS Mammography

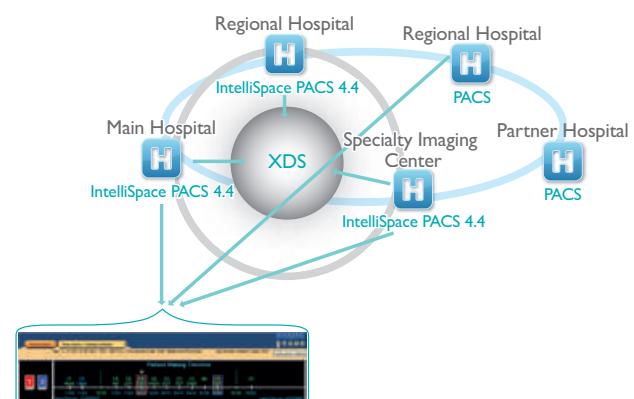
The review speed and quality of a mammography workstation is combined with the ease of PACS integrated workflow in this application, featuring a specialized keypad for viewing and diagnosis.



IntelliSpace PACS Federation

Federation allows users to view other IntelliSpace PACS 4.4 archives, or access a disparate PACS, to present reports and images to the clinician with a view of a patient's imaging history. This allows a patient's diagnostic-quality images to move among facilities along with the patient.

Federated architecture – solution



Clear and collaborative multimodality review

IntelliSpace PACS 4.4 unleashes the potential of modern, advanced cross-sectional modalities and 2D/3D ultrasound throughout the enterprise. Advanced hangings with advanced visualization² 2D/3D/4D technology are combined with hanging protocol management to empower clinical users. Explore anatomy, pathology, and even physiology with speed, predictability, and confidence. Hangings feature multi-volume linked displays, 3D navigators, multi-dynamic splitting, and 4D movie visualization. IntelliSpace PACS 4.4 supports collaborative workflow through easy-to-use presentation states, bookmarking, and movie generation. This helps improve the efficiency of communication among radiologists and clinicians.

iSyntax* technology brings full advanced rendering performance to clinicians throughout the enterprise without extra complexity.



A single viewer is launched directly from the PACS worklist to present each exam in its specific modality-viewing format with smart links for fast and convenient case navigation.

* Based on mathematical representations of images called wavelets, iSyntax allows just-in-time delivery of image data for quick access. Diagnostic-quality images are delivered over limited-bandwidth networks.



IntelliSpace PACS Mammography

IntelliSpace PACS Mammography supports viewing and diagnosis on specialized monitors, including a range of hanging protocols to automatically correctly display images from a variety of sources, including multiple vendors and external centers.

Providing quick, convenient access to routine functions, a specialized mammography keypad features large buttons and is backlit for dark reading environments.



Enhancing clinical efficiency through 3D viewing and advanced visualization²

Multimodality image viewing and processing with visually rich clinical applications guide clinicians step by step in reviewing radiology images and aiding in the detection of abnormalities. Advanced visualization features speed the reading and consultation of volumetric datasets in an intuitive fashion, allowing easy navigation.



“The Philips system has some benefits in terms of advanced visualization for making a diagnosis. We can get a better idea of the extent of the disease.”

D'Arcy Little, MD, Radiologist
Orillia Soldiers Memorial Hospital,
Ontario, Canada

Fast, more confident readings of volumetric imaging studies

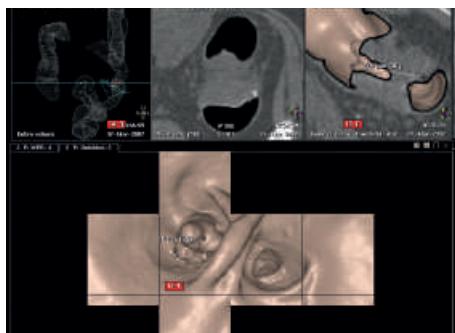


View pulmonary emboli on chest CT scans, colon neoplasias via virtual colonoscopy, arterial stenosis and calcifications in vessels, and a range of other clinically relevant findings.

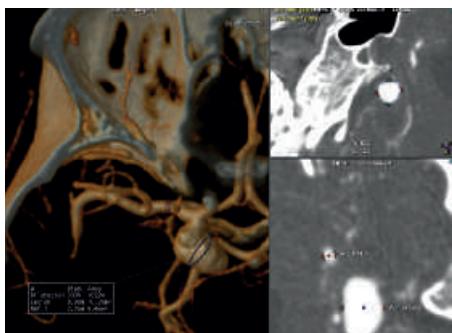
Rich clinical content across the enterprise²

The IntelliSpace PACS solution provides clinical richness for enhanced decision support, including applications for oncology, cardiovascular, neurology, musculoskeletal, gastroenterology, and digestive studies.

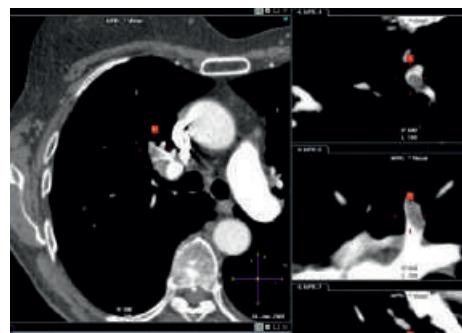
IntelliSpace CT Colonography, IntelliSpace CT/MR Vessel Explorer, and IntelliSpace Pulmonary Embolism Assessment are among a large number of applications featured in the Philips IntelliSpace Clinical Applications portfolio.



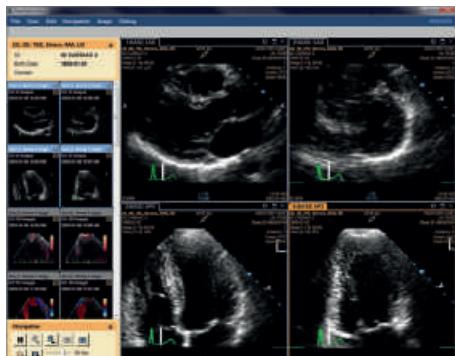
IntelliSpace CT Colonography allows efficient interpretation of studies.



IntelliSpace CT/MR Vessel Explorer provides speed and ease of use.



IntelliSpace Pulmonary Embolism Assessment for exceptional views to enhance productivity.

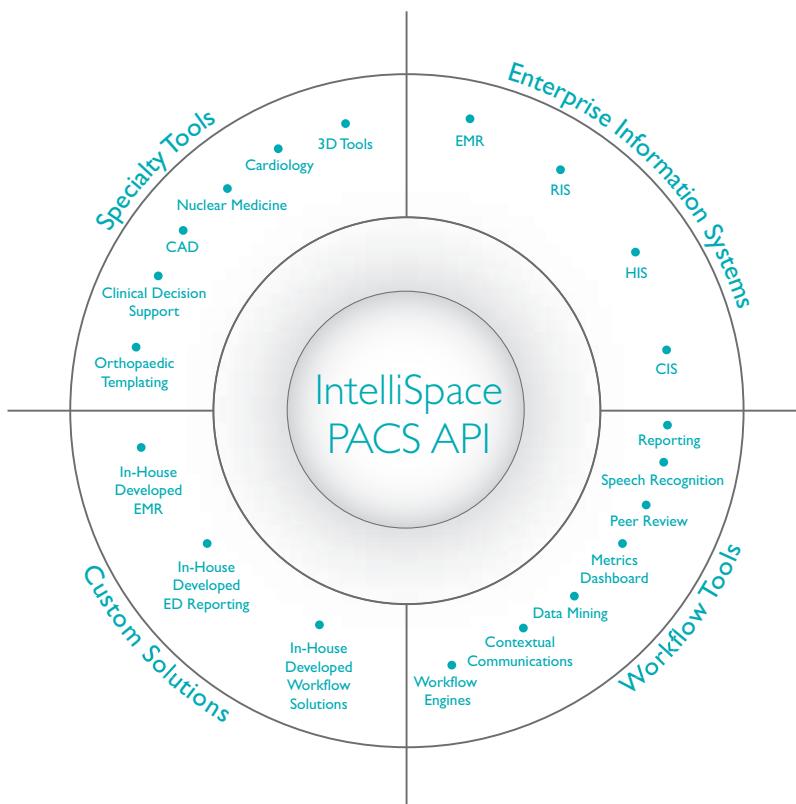


IntelliSpace Cardiology Enterprise Viewer provides fast, on-demand access to cardiovascular studies, including stress echo exams.

Please consult your Philips sales representative for a full portfolio review or log on to www.philips.com/IntelliSpaceClinAppsPACS to view and download related information.

Interoperability that empowers collaboration

IntelliSpace PACS 4.4 offers the ability to interface with third-party applications via a flexible application programming interface (API).³ Add third-party image processing, workflow, and diagnostic tools such as advanced search and communications features, pre-operative planning tools, digital templating and voice recognition to seamlessly customize workflow to your needs.



Enabling the EMR and information sharing

IntelliSpace PACS 4.4 can image-enable an institution's electronic medical record (EMR) and interface with the radiology information system (RIS), smoothing workflow and allowing clinicians to more easily share information throughout a patient's care cycle.

The solution offers presentation of images, leveraging IHE profiles to allow communication of clinically relevant information among various health systems.

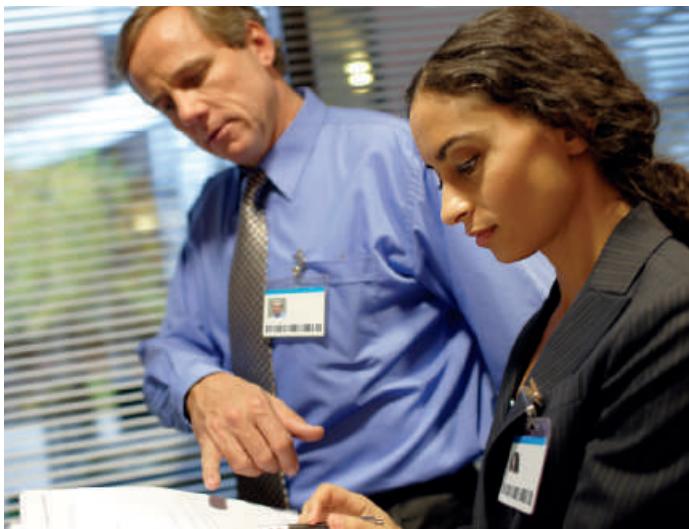
"Integrating our Lesion Management (LMS) products with the Philips PACS API was extremely fast and easy."

Gerard Milhiet, COO, MEDIAN Technologies



Making your growth easy

Other PACS may stress capital budgets with hidden costs for support, upgrades, storage, and additional workstations. Philips simplifies PACS, offering IntelliSpace PACS 4.4 on a fee-per-study basis. This makes budgeting predictable and the total operating cost well-defined, which is particularly useful when you are replacing a legacy PACS. Our service-based delivery model transparently shows total cost of ownership and includes protection from hardware obsolescence and provides a measurable return on investment. Proactive monitoring, software upgrades, and unlimited workstation licenses are included among other key benefits.



Guaranteed uptime

We can guarantee 99.99% uptime for image availability throughout the total healthcare facility.

Works for you

The Philips Service Delivery Model provides high performance and scalability, helps to improve financial outcomes, and prevents obsolescence. Our live tech support and proactive monitoring are 24x7x365.



‘The Philips fee-per-study approach is also helpful since the service model includes system maintenance and expanding the server capacity as needed. Our ability to predict total cost of ownership over time, in a very unpredictable economy, gives us the confidence we need to move forward.’

Robert Garrett

Administrative Director Radiology, Christiana Care Health System

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¹ It is the user's responsibility to ensure that Philips network performance recommendations for IntelliSpace PACS 4.4 are met.

² IntelliSpace Volume Vision is the 2D/3D/4D enhanced viewing application part of the IntelliSpace Clinical Applications R8.2, bundled with the comprehensive IntelliSpace PACS solution. IntelliSpace Volume Vision R8.2 is shipped only in combination with IntelliSpace PACS 4.4 and is not available for the iSite PACS 3.6 or 4.1 installed base.

³ The Philips IntelliSpace PACS API is a standardized external interface requiring third party validation for connecting products and solutions.

⁴ Requires that the Philips network performance recommendations for IntelliSpace PACS 4.4 are met.

⁵ This is a non-diagnostic product for review only.

Please visit www.philips.com/IntelliSpacePACS



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