

# Raster iPACS

Get ready for the **Digital** World

Marketed by



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[www.medialogicindia.com](http://www.medialogicindia.com)

Developed by

**Ra**st**er**  
I M A G E S

[www.raster.in](http://www.raster.in)

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## Are you ready for the **Digital Healthcare** future?

The world is going digital. Digital photos, digital music, digital communications, etc. This shift from analogue to digital is occurring in medicine too with Radiology as one of the pioneers in the new digital healthcare world. CT, MRI and Cath. Lab images have been digital (also known as DICOM images) for a while. Now Ultrasound images and X-rays (DR or CR) are available in the same digital format.

The marriage of Digital content and the Internet has enabled instant access to your data anytime and anywhere in the world - provided you have the right software.

**Raster iPACS** is your software solution to the Digital Healthcare future . It is the glue that connects various digital radiology sources and delivers on the promise of anywhere, anytime viewing of images while providing secure storage for the images. Waiting for films to arrive is a thing of the past.

### **What is PACS? How can PACS help me?**

PACS replaces hard-copy based means of managing medical images, such as film archives and provided you with instant access to the images at your desk on your PC workstation. It expands on the possibilities of conventional systems by providing capabilities of off-site viewing and reporting (tele-radiology & tele-diagnosis).

Additionally, it enables practitioners at various physical locations to access the same information simultaneously. With the decreasing price of digital storage, PACS systems provide a growing cost and space advantage over film archives, assuring you of a quick Role.

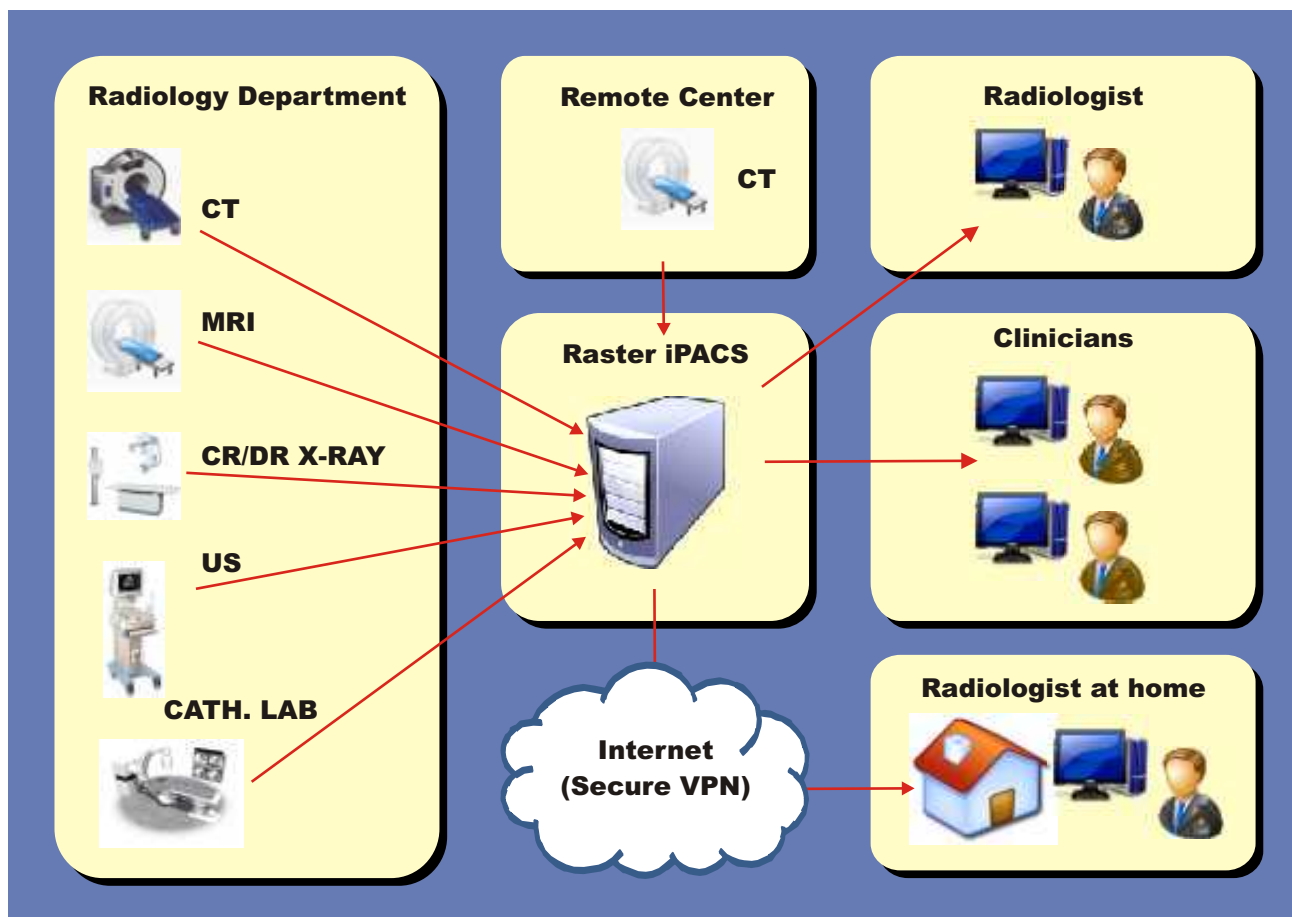
Medico Legal Case films can now be accessed in an instant. No more searching for lost films before a court date!

### **Who needs PACS?**

Hospitals, clinics, imaging centers and specialists. In short, all healthcare providers can benefit from the time savings and efficiencies a PACS system brings in.

## Raster iPACS Server

Raster iPACS is fully DICOM standards compliant. The server software runs on a high performance multi-core scalable servers. The server runs on Linux to assure stability. All data is stored on RAID hard drives to ensure maximum data integrity even in the event of a hard disk failure. Online storage options range from 1 TB to 128 TB



Typical PACS setup

## Connectivity

DICOM modalities connect over the Gigabit ethernet backbone to ensure speedy transfer of images.

Non-DICOM equipment with a video output can be captured and converted to DICOM using the Raster DICOMIZER for storage on the PACS server.

Printouts such as Radiology & Lab reports and Pulmonary function tests can be converted into DICOM images using Print to DICOM for storage on the PACS server.

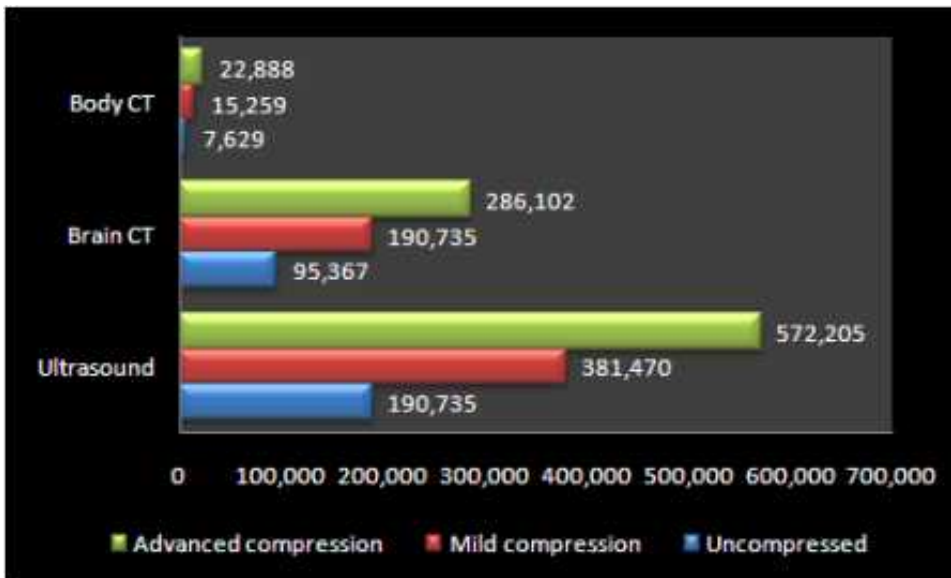
## Integrates with Sonocare

Raster iPACS integrates with Sonocare, the industry's leading Ultrasound workflow & reporting software solution. Both images and reports can be stored in the server.



**SONOCARE**  
*Redifining Ultrasound workflow...*

## Archival management and offline storage



### Approximate no of studies per TB of storage

Depending on the configuration, an almost unlimited storage capacity can be configured for online access - up to 128 TB per server rack in the enterprise configurations.

Automate long term storage to optical media such as DVD and Blu-ray is available as an option.

## After sales support

All software and hardware is warranted for one year. We have a dedicated team to provide 24x7 support online, over the phone and by email. The software is designed to be maintained remotely by our engineers.

Software updates are free during the warranty period and while under support contract.



### Automated robotic DVD Backup

## Image viewing

Use your existing PC infrastructure to view images. Access to images is through the JAVA **Raster DICOM viewer** for Hardware and Operating System independence.

**Raster iPACS webview** is available for quick viewing the images from any where in the world from within your browser. Even the iPhone can be used to access images

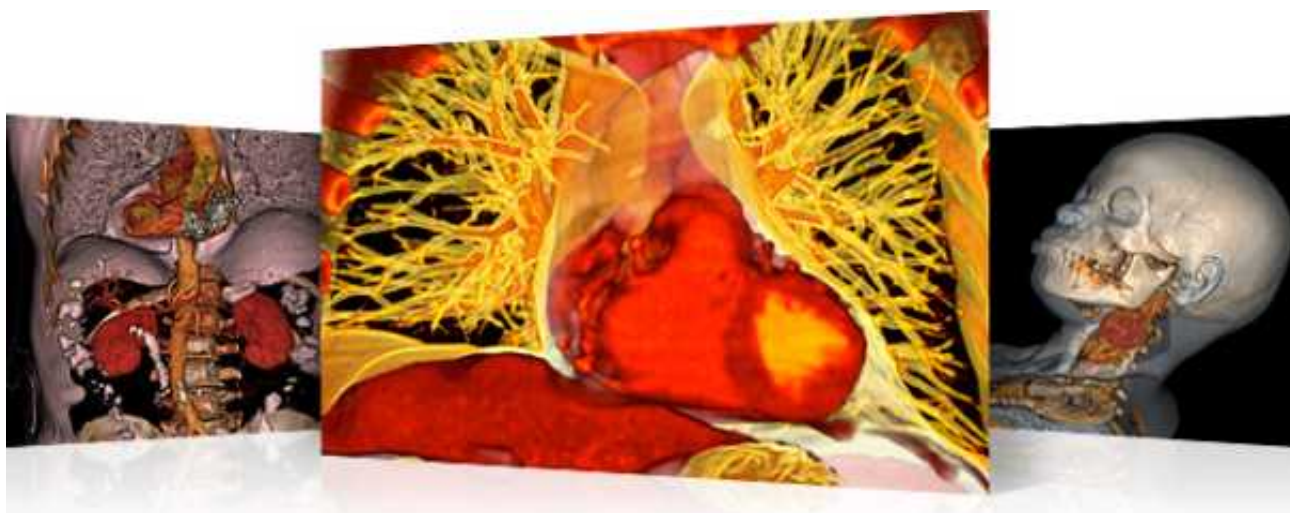


**Raster Hyperion** is an advanced workstation specifically designed for navigation and visualization of multimodality and multidimensional images: 2D, 3D, 4D (3D series with temporal dimension, for example: Cardiac-CT) and 5D (3D series with temporal and functional dimensions, for example: Cardiac-PET-CT).

The 3D Viewer offers all modern rendering modes: Multiplanar reconstruction (MPR), Surface Rendering, Volume Rendering and Maximum Intensity Projection (MIP). All these modes support 4D data and are able to produce image fusion between two different series (for example: PET-CT).



Raster Hyperion



Product Matrix				
iPACS	Lite	Standard	Pro	Enterprise
<b>Hardware</b>				
Rack Mount Cabinet	○	●	●	●
Redundant Power Supply		○	●	●
RAM	1 GB	2 GB	4 GB	Custom
Total Hard Disk Capacity <sup>1</sup>	1 TB	2 TB	6 TB	Custom
RAID Levels <sup>2</sup>	1	1/5	1/5/6	1/5/6
RAID Type	Software	Hardware	Hardware	Hardware
Hot Swap Drive Bays		●	●	●
RAID Hot Spare Drives		○	○	●
<b>Software</b>				
DICOM Entities	5	Unlimited	Unlimited	Unlimited
DICOM Viewer Licenses	10	Unlimited	Unlimited	Unlimited
Teleradiology - Basic / Advanced	●/○	●/○	●/●	●/●
Non-DICOM Image Acquisition	○	○	●	●
Print to DICOM	○	○	●	●
<b>Support</b>				
Remote Support VPN Hardware <sup>3</sup>	●	●	●	●
24 x 7 Online, phone & email	●	●	●	●
Onsite Engineer			○	●
<b>Backup</b>				
Mirrored PACS Server			○	●
Automated DVD Backup			○	○
<b>Expansion</b>				
SAN Support				○
N-tier scalability				○

● Included feature

○ Optional feature

① One gigabyte, or GB, equals one billion bytes and one terabyte, or TB, equals one trillion bytes when referring to hard drive capacity. Accessible capacity may vary depending on operating environment, formatting and RAID levels.

② Effective storage capacity will differ according to the RAID level and number of Hot Spares

③ Teleradiology and remote support requires a dedicated internet connection with a static IP address to be provided by the customer. Additional costs may be incurred.

Raster Images & Media Logic Solutions Pvt. Ltd. reserve the right to change, without notice, product offerings or specifications. All pictures and images shown are indicative and may differ from the actual product.



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