

Next generation PACS is here!



Product Overview

PaxeraUltima 3rd generation is designed to increase radiologists' productivity by enabling simultaneous studies streaming, aggregating multiple sites to single work list with full control on users accessibility and encompassing a zero footprint viewer enabling clinicians to access studies from any device or browser to reference prior studies

The 3rd generation cloud PACS incorporates the latest radiological tools including an ED-Rad discrepancy panel that improves effectiveness of communication among caregivers, a Peer-Review module, a patient history timeline that presents a graphical representation of the patients clinical history and a secure image sharing feature that conforms with IHE standards". PaxeraUltima 3.0 also features a secure patient portal that gives patients convenient 24-hour access to personal medical images.

Our core business lies in the design and development of cutting-edge medical imaging and medical informatics solutions, we offer industry leading technologies that help healthcare providers solve some of their most pressing challenges.

PaxeraPACS is the comprehensive and full-fledged PACS solutions (Picture Archiving and Communication System) designed to streamline radiology departments' workflow and increase productivity. **PaxeraRIS** is an all-encompassing RIS solution (Radiology Information System) with an intuitive web-enabled interface that provides user-friendly accessibility and can seamlessly integrate with infrastructure setups of any medical facility.

Every healthcare facility, ranging from a small clinic to a large multi-site medical center, can find the suitable Paxera solution to fulfill both its business objectives and the expected patient care optimum

Case Study

This project which is considered one of the largest PACS projects worldwide aims to connect 27 government hospitals in Eastern Cape Province in South Africa. The project involves a large tele-radiology network that has PACS installed in every hospital. All the hospitals are connected to the main data center in the State Information Technology Agency (SITA) where the studies are received from all the hospitals. The studies are pushed to SITA to a rule-based autorouter according to its status and then hosted online on the web server PaxeraWeb®. The radiologist can connect to the PaxeraWeb® PACS to view the images and write the reports remotely. The verified reports are automatically sent back to the hospital where the studies originally came from.

Modules

PaxeraServer

PaxeraServer is a complete and cost effective Paxeramed PACS solution that provides a hospital or image department with a scalable and upgradable solution to archive patient studies, including images, cine-loops, voice notes, reports and patient information. The PaxeraServer solution includes features to archive patients, retrieve studies, print studies, edit patient reports and record voice notes with patient study transmit studies over telephone lines or internet.

PaxeraArchive

" Paxeramed Archive Server can function with any type of Archiving Medias available in the market today (e.g. CD-ROM, DVD Jukebox, MOD, Tape). PaxeraArchive is attached to the PaxeraServer to make a complete PACS archiving solution."

Features:

- Automatic Archiving.
- Scheduled Archiving.
- Multiple Media Archiving.
- Rule Based Archiving.

PaxeraBroker

Paxeramed's HL7-DICOM server "PaxeraBroker" is the ideal solution to connect the imaging department (radiology, cardiology, etc.) to any Hospital Information System "HIS" using HL7 messaging protocol. PaxeraBroker enables reservations and orders taking place at the hospital reception to be seamlessly transferred to the imaging department. PaxeraBroker also allows the billing and inventory reports produced by the imaging department to be transferred to the HIS so that they can be archived inside the Electronic Health Record "EHR". PaxeraBroker also manages the DICOM basic modality worklist and MPPS transactions to conclude the integration part of the complete HIS/RIS/PACS environment. PaxeraBroker supports the DICOM management classes to assure the maximum integration capability between the information systems "HIS and RIS" and the imaging systems "PACS" in the form of updated data and statuses of patients, studies, images and reports. PaxeraBroker can be set up as a standalone transparent server installed alongside the PACS server or

it can be integrated as a part of any paxeramed product (such as PaxeraView and PaxeraRIS) to work as either a broker-enabled or broker-less solution.

Features:

- Supports all DICOM management classes.
- Supports HL7 to DICOM conversion and vice versa.
- Handles the integration between PACS/RIS and HIS environments.

PaxeraBurner

PaxeraBurner is a complete medical CD/DVD publishing solution for medical imaging departments and scan centers. PaxeraBurner solution enhances both the portability of the imaging studies (no more large bunches of films) and their attainability (viewable on any PC with ordinary specifications).

PaxeraBurner is the one solution for all types of modalities as it supports the DICOM network with the most up-to-date DICOM standards. PaxeraBurner is a versatile PACS component and can be implemented without restriction while functioning in both an efficient and flawless manner. With PaxeraBurner's capabilities of printing customizable labels, you can have different and attractive label designs for your imaging center, aided by the massive customization options for the patient demographics that can be printed on the published discs."

Products

PaxeraRIS



PaxeraRIS is a radiology information system that can be perfectly implemented in any healthcare facility. Whether it is a small radiology center or a large complex multi-sited medical center; PaxeraRIS is the perfect fit. PaxeraRIS separates itself from competitors because of its ability to seamlessly integrate with infrastructure setups of any medical facility and an intuitive web-enabled interface that provides user-friendly accessibility.

- Seamless integration with the PaxeraServer (PACS) solution from Paxeramed.
- Multi-level data entry for the new job orders.
- Job order handling and retrieval of studies for the local or remote branches.
- Web-enabled interface.
- Powerful multi-level patient directory that supports multi-level studies.

- Fast and flexible search tool to quickly retrieve the required studies.
- Visual reservation calendar with color-coded slots that facilitates job-order placement in a quick, intuitive and efficient manner.
- Reservation slots can be modified visually (delete, change time/date, copy, etc.).
- Multiple views for displaying the job orders (machines per day, jobs per machine).
- Easily customizable knowledgebase database that hold the information of the medical center (rooms, machines, procedures).
- Support of medical insurance providers and referring physicians.
- Restriction tool that enables handling of machines' maintenance issues within the facility (no reservation for a machine if it is being under maintenance).
- Supports of various payment methods (cash, insurance, installments, etc.).
- Complete cash flow management including full payments, partial payments, applied discounts, refunds, etc.
- Powerful and enhanced inventory module that supports the medical item stock inside the medical facility; track the consumption and generate the corresponding reports.
- Visual report designer that is fully integrated with PaxeraReport; a fully-featured reporting module.
- Multi-lingual support.
- Compliant with DICOM 3.0 standards.
- Supports HL7 protocol for full integration with HL7 compliant HMIS's.
- Enhanced security for patient data protection and HIPAA compliant.

PaxeraCIS



PaxeraCIS is a cardiology information system that can be perfectly implemented in any heart-care facility or hospital. PaxeraCIS strength is driven by the fact that it can seamlessly integrate with the current infrastructure setups of the cardiology facility and its intuitive web-enabled interface that promotes easy accessibility.

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PaxeraDental



PaxeraDental is a comprehensive and easy to use web-based PACS solution for displaying dental images. The solution features extensive hanging protocols including various predefined and customizable FMX template modes. The incorporated hanging protocols enables users to display digital radiographic images automatically on display areas on one or multiple monitors showing intraoral, panoramic, and cephalometric views generated during examinations. The solution supports all DICOM modalities and features a full spectrum of diagnostic and reporting tools.

PaxeraReports



Paxeramed Medical Reporting Tool

- Multi User
- Archiving of Reports
- Printing on A4 Paper
- HTML and E-mail Export.
- Report Templates
- Template and Structured
- Dicom SR reports
- Structured Reports
- Image inside reports
- RTF and DOC Reports

Paxeramed Reporting Tool "PaxeraRep" is a tool designed to manage a variety of reports whether it is template based (normal and up-normal for each exam of a modality) or a structured report that utilizes selective options from either a database or knowledge base.

PaxeraReport is designed to be integrated with any of the Paxera products, including PaxeraRIS in order to write professional reports. Additionally, it is a crucial component of the RIS environment.

PaxeraReport is very helpful in PACS/RIS environments to automate the workflow of report typing and for distribution inside the radiology and cardiology department.

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