

# PACS Solutions

Solutions for Accessing, Storing and Distributing Digital Radiology Images

## Increasing operating efficiency and reducing your costs

### Access

Images may be accessed from workstations connected to the server or by logging onto the secure Web interface.

### Store

Onsite storage of electronic images allows for immediate access to patient images from the server.

### Distribute

Users can set up automatic distribution of images and dictate when and where images are available.



- ✓ By automating image processing, EESI's PACS solutions **lower the cost of doing business** by improving workflow and increasing the overall efficiency of the practice.
- ✓ As a central repository and distribution center for patient's digital images, EESI's PACS solutions **streamline patient visits, reduce costs** and **improve patient/physician interaction** by allowing radiologists to start their evaluations more rapidly.
- ✓ EESI's PACS secure Web interface **enhances productivity** and **improves the quality of patient care** by making current and prior images instantly accessible.

Whether you are a small clinic or a large multi-site healthcare network, Essential Enterprise Solutions, Inc. (EESI) offers a PACS solution to fit your specific operational needs and budget. Our proven solutions, available in a variety of configurations, offer practices a reliable, efficient and cost-effective solution for accessing, storing and distributing digital radiology images from various modalities.

EESI's powerful, standards-based PACS platforms offer healthcare professionals the utmost in scalability and flexibility by readily adapting to the size and workflow of any facility. By supporting bi-directional integration and complying with industry standards (DICOM, HL7 and IHE), our solutions integrate seamlessly with a broad array of third-party compliant systems, modalities and equipment to improve workflow and efficiency. Additionally, EESI can configure our PACS solutions to leverage your existing IT infrastructure and assets to keep costs to a minimum.

### Deliver more timely and accurate patient care with EESI.

EESI's PACS solutions offer authorized personnel secure, Web-based viewing access of patient images - **anytime, anywhere** - regardless of their location.

Intelligent storage and distribution of images virtually eliminates filing and lost image issues and makes it easier to comply with HIPAA image storage requirements.





## A Partner You Can Rely On

EESI isn't just another technology vendor. We are your medical imaging technology partner. We deliver a comprehensive portfolio of end-to-end solutions to improve patient care and physician satisfaction. From procuring a wide range of modalities to streamlining your reading and reporting, EESI is your single source for flexible, affordable and secure medical imaging solutions.

Our comprehensive range of PACS solutions offer multiple entry points to meet the needs and budgets of any practice - large or small. The built-in scalability of our platform and systems allows unparalleled flexibility and cost savings in a single, easy-to-use solution without sacrificing reliability. However, our attention to detail doesn't end there. When you work with EESI, we become an extension of your technical staff. Our experts take the time to understand your challenges, goals and workflow to customize a solution that meets - and exceeds - your expectations. And, with decades of experience designing and building hardware and software solutions, we can provide you with expert recommendations to ensure your PACS solution will operate at peak performance.

### Unlimited Licenses

EESI's PACS solutions are built on an open-source platform - eliminating the hassle and cost of purchasing and tracking additional licenses.

### Image Streaming

By utilizing JPG2000 compression, EESI's PACS solutions support faster off-site reading and bandwidth conservation.

### Role-based Access

With EESI's PACS solutions, administrators control access by assigning roles to users. Viewing preferences can be set up individually and are automatically available upon login to the system.

### Ease of Use

EESI's PACS platforms interface with all digital radiology modalities as well as film and document scanners and DICOM printers. Images can be easily saved onto portable media such as CD, DVD or USB drive - or printed on a DICOM printer.

## System Specifications

- Interoperability:**
  - DICOM 3.0 Compatible
  - Standard TCP/IP Communications 10/100/1000 Mb speeds
  - Works with Windows, Linux, or MAC OS X
- System Flexibility/Scalability:**
  - Web-based operation (IE, Netscape, Firefox, Safari)
  - SCP, SCU services for sending, receiving and queries
  - ★ No software limiting dongles
  - ★ Unlimited DICOM ports
    - DICOM route function to multiple modalities
  - ★ Unlimited users
    - Full functionality SQL database engine
    - Delayed send of studies for bandwidth management
- Hardware Features (Model Dependent)**
  - Twin Gigabit Ethernet ports
  - Multiple hardware RAID configurations 0, 1, 5, 10
  - From 2 GB up to 16 GB of ECC Memory
  - Auto correcting/scrubbing ECC Memory
  - One or two processors (single, dual or quad core)
  - Direct connect memory for high data bandwidth
  - 400 MB disk data path (reads)
  - Redundant power supplies for continuous uptime
  - Redundant disk drives for online data backup



EESI's Pocket PACS model is a Green Technology product offering a silent, energy saving solution with a small form factor.

## Service and Support Available

EESI possesses a unique combination of technical expertise and medical imaging knowledge. In addition to our PACS hardware solutions, EESI offers a wide range of support services to help you achieve the most from your technology investment, including:

- **Workflow Analysis & Consulting**
- **Room Design**
- **Imaging Solution Design & Planning**
- **Installation & Setup Services**
- **Training Services**
- **Technical Support**
- **Break/Fix Repair Services**
- **Off-site Archiving Services**

For more information on any of our products or services, please visit us on the Web at: [www.eesimed.com](http://www.eesimed.com).

**Essential Enterprise Solutions, Inc.**

3686 Old Keystone Road  
 Tarpon Springs, FL 34688  
 Phone 727.938.3374  
 Fax 727.499.7814