

# General Radiology PACS

ImageGrid's feature-rich, reliable, and cost-effective multi-modality PACS solution provides end-to-end support for the entire radiology workflow on a single hardware platform. ImageGrid contributes immediate benefits to customers through lower upfront costs and productivity gains, while drastically reducing ongoing costs associated with IT administration and maintenance contracts.

## Overview

While today's medical environment offers many technological advances in terms of screening and diagnosis, facilities still encounter the problem that there are too many different vendors with their own proprietary software which does not communicate well with other third-party systems.

*Candelis's ImageGrid solution offers a cost-effective PACS that optimizes image storage, review, and communication.*

ImageGrid streamlines facility workflow and often acts as a robust data router, providing a uniform platform where all the medical images can easily flow between different providers.

As a fully integrated storage and server solution, ImageGrid provides RAID archiving capacity ranging from 1 terabyte (TB) to hundreds of terabytes in raw capacity and is easily and cost-effectively expandable.

Facilities that receive outside images from other multiple destinations need an efficient system that can consolidate all patient studies from all modalities on a single archive / platform.

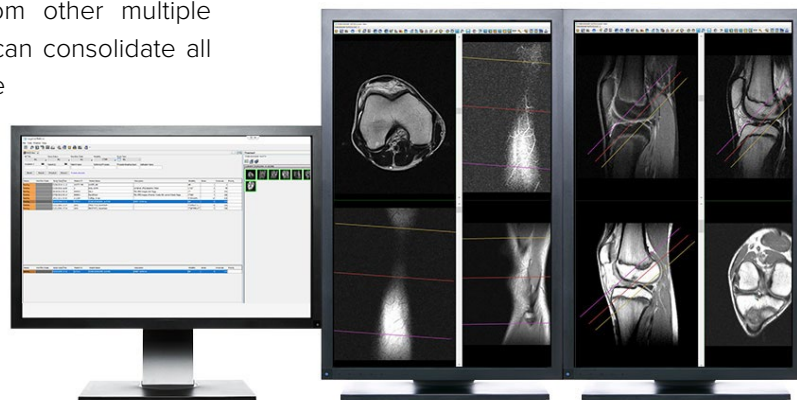


With ImageGrid, any facility – be it a small imaging center, a community health center or a large hospital, can consolidate all patient imaging content from all departments into one repository, fully integrate with existing EMRs or EHRs, and eliminate dependencies on outdated PACS architecture, allowing for more workplace efficiency and better patient care.

## Diagnostic General Radiology PACS Viewer

Candelis offers several FDA 510(k) Cleared visualization solutions which are tightly integrated with our Image Management and Workflow Optimizations solutions. ImageView provides a powerful visualization tool for any radiology department.

As an application residing on the ImageGrid platform, radiologists are able to view studies using ImageView from any workstation on the local LAN or WAN or a remote workstation. ImageView also enables imaging facilities to securely share medical data and images with their network of referring physicians and other remote users.



## Tele-Radiology

Candelis' state-of-the-art ImageGrid PACS and ImageView Advanced Reading Workstation allow radiologists to provide their diagnostic reading services from anywhere and at anytime.

Any Internet-connected reading workstation or a proper laptop can be utilized for diagnostic reading securely and efficiently. In addition, ASTRA cloud integration provides cloud storage and a zero-footprint viewer for referring physicians.

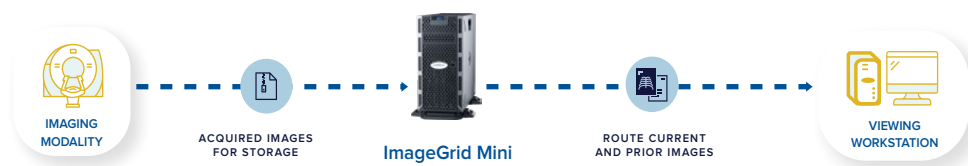
## General Radiology PACS Server

ImageGrid is a fully integrated image management and workflow optimized PACS solution, consisting of a suite of sophisticated image archiving, image management, visualization tools, and workflow optimization capabilities closely integrated with state-of-the-art hardware.

In multi-physician or multi-location environments, ImageGrid's archive can be partitioned for multiple AE titles. This feature allows multiple physicians or multiple locations to use the same ImageGrid system, while keeping their respective data completely segregated.

## Fully Integrated Workflow

ImageGrid automates, reports, and efficiently controls all aspects of patient procedures – from beginning to end. The ImageGrid solution allows you more control over workflow process, resulting in more power over accounts.



## OTHER FEATURE HIGHLIGHTS INCLUDE:

- Multi-modality image viewing
- Image management and workflow optimized PACS solution
- Scalable deep archive
- Optimized to handle hundreds of millions of images
- Flexible Backup Options
- Robust DICOM routing engine, providing rule-based automated routing and manual push/pull
- Automated rule-based pre/post-fetching of relevant priors
- Multiple AE titles on system for archive partitioning
- Accepts and manages studies from other vendors
- Proxy service for remote DICOM Query/Retrieve DICOM Tag Morphing tools
- Inbound and outbound HL7 integrations with other vendors (RIS/HIS/EMR/PACS)
- PIX broker support for Master Patient Index infrastructure
- Registry and repository XDS support
- Import via CD/DVD
- DICOM Anonymization and Teaching File support
- Self-monitoring and automated reporting
- Web-based system administration, dashboard and operator interface

ImageGrid's vast capabilities allow you to optimize your workflow and significantly improve operations and patient care. The platform is designed to improve an imaging center's ability to communicate with referring physicians and affiliated facilities.

## Efficiency Tools

The General and Advanced Radiology Viewers are designed with the workflow features that are needed to optimize reading radiology studies including:

- Supports viewing of CR, DR, and US
- Pan, rotate, mirror, and zoom
- Measurement tools
- Customizable per-modality annotations
- Cine tool with adjustable speed
- Reference (scout) lines
- Magnification glass
- Zoom synchronization
- Series Linking
- Multiple concurrent users
- Role and user-based settings and permissions
- Roaming per-user preferences
- Customizable Hanging Protocols
- Intelligent Hanging Protocol matching based on parameters like modality and body part
- Highly customizable rule-based viewing
- Sharing of Hanging Protocols between different users
- Multi-monitor support
- 3D cursor localization tool
- MIP/MPR
- 3D markers for spine labeling
- 5-Monitor image viewing support