

## SOLUTION

# Image Storage & Archive

ImageGrid provides scalable image archiving solutions, designed to grow with your practice.

ImageGrid is the most cost-effective PACS for image storage, review, and diagnostic analysis and its storage and archive capabilities provide an efficient approach to handling a large volume of images, including the unique archiving requirements of digital mammography for practices that do not have access to a PACS or need a local archiving solution.



## Overview

Storage of patient data for the legally required number of years can be very costly. Candelis's ImageGrid offers a cost-effective, yet powerful, system that can easily read, route, and archive all types of DICOM digital images at a fraction of the cost of storing on a traditional PACS system.

ImageGrid is especially optimized for the storage of large 3D datasets, such as in Mammography (2+ Gigabytes). 3D tomosynthesis datasets can use large quantities of data in legacy PACS systems and placing these images on your current network will slow it down when they need to be transferred to the radiologist for review.

*ImageGrid is a highly optimized platform that enhances a facilities workflow without adversely affecting business efficiency, while ensuring business continuity.*

ImageGrid will eliminate the high expense of storing images, easily expand to over 100TB, and integrate into any radiology department workflow whether alongside a current PACS or replacing a legacy PACS.

## Cloud Archiving

ImageGrid provides backup and storage of data in the Candelis ASTRA™ Cloud. Cloud services include:

- Backup: Backup/Restore, Archive/Retrieve and Disaster Recovery
- ASTRA Plus: Easy sharing of complete studies with patients and physicians
- ASTRA Lite: Allows for study review via web browser for referring physicians
- ASTRA Mobile: iPad/iPhone App for mobile review of patient studies



## Disaster Recovery

ImageGrid automatically guarantees a Disaster Recovery plan by automating backup and recovery functionality.

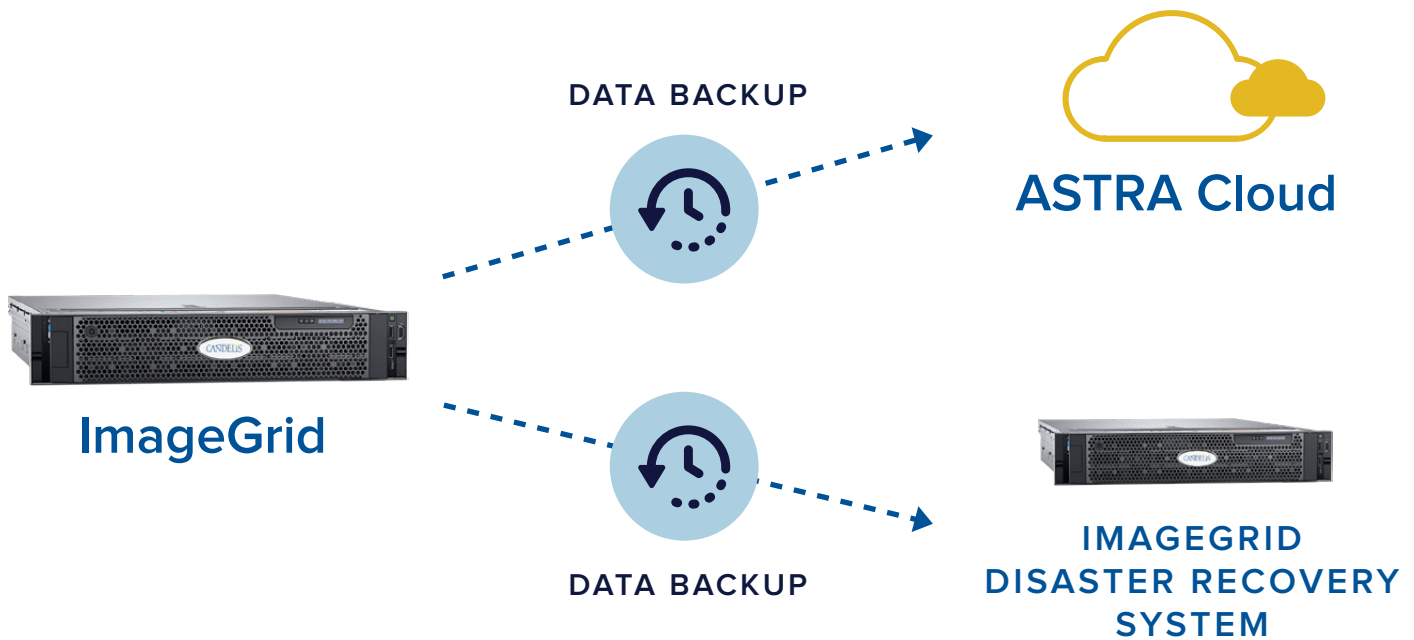
Either through our ASTRA Cloud platform, or an ImageGrid DR option, ImageGrid provides a guaranteed disaster recovery solution ensuring that data is protected in the event of all circumstances. This licensable option on ImageGrid. provides a disaster recovery option allowing facilities to comply with HIPAA requirements.

ImageGrid also removes IT maintenance headaches, reduces ongoing IT costs due to changing outdated legacy PACS systems or adding additional storage, and provides a Disaster Recovery strategy with proper backup.

## Fully Integrated Workflow

ImageGrid has been optimized to store and manage large studies and can move them around quickly. ImageGrid prefetches patient prior studies from a PACS or archive, so networks are not impacted during business hours. Additionally, ImageGrid can transparently pull patient studies from geographically different facilities that might be storing a patient's prior images.

ImageGrid also ensures that the right images will be routed to the correct reading location for radiologist review. Whether the data is stored on ImageGrid, an external PACS, or multiple archival systems, ImageGrid provides automated Quality Control tools to transform patient studies so that they are uniform which helps streamline the review of studies from external sites.



## Efficiency Tools

ImageGrid offers the following functionality for storage and archive:

- Backup/Restore, Archive/Retrieve, and Disaster Recovery (DR)
- Seamless, secure sharing of complete studies
- Automated distribution of study imagery, reports, and key images to referring physicians
- Visualization of reports and key images using ASTRA Lite, a zero foot-print interface, or ASTRA Mobile, an application for iPad and iPhone
- Ability to perform inbound patient scheduling for referring physicians
- Monitoring and reporting on the ImageGrid platform