

# EXAM-PACS® Product Descriptions

**EXAM-Server™ Software & License:** Server software required at each location where exams are acquired and Read from unlimited DICOM modalities. EXAM-Server acquires exams, presents them to the Diagnostic Workstations for Reads, provides temporary local storage, and automatically copies exams to the archive servers for permanent storage. EXAM-Server is available complete with server hardware, or as software only.

**EXAM-Server-Lite™:** version available for use with limited number of modalities and diagnostic workstations.

**EXAM-Server™ Acquire & Forward Server:** available for remote sites without diagnostic workstations.

**(NEW) EXAM-Essentials™ Affordable Complete PACS – Hardware & Software for less than \$15,000**

**EXAM-Sender® Referring-Doctor Server Software & License:** Server software that automatically sends exams to referring or consulting physicians in background mode. EXAM-Sender is available in both multi-user *Master Licenses* for referring-physicians and as single user add-on licenses.

**EXAM-Console™ Workstation Software & License:** Workstation software, including EXAM-Viewer™, required on every PC used to access exams. EXAM-Console is available complete with a choice of workstation hardware or as software only and comes in several versions:

**Diagnostic Workstation Software & License:** Required on all workstations used by a diagnostic radiologist. Provides the ability to mark exams as Read.

**Technical/Administration Workstation Software & License:** Required on all workstations used by Technologists or PACS Administrators. Has the same functions of the Diagnostic Workstation License, but without the ability to mark exams as Read.

**Clinical Viewing Workstation Software & License:** For all other workstations used to access and view exams within EXAM-PACS, but intended for users not requiring the extended capabilities of either the Diagnostic or Tech/Admin Licenses. This license is available in both multi-user *Master License* and as individual Licenses. For use on client-provided PCs throughout the facility.

**EXAM-Filer® CD Burner Solution:** Produces CoActiv EXAM-CDs that include EXAM-Viewer software for use by patients and referring physicians. EXAM-Filer includes software, license, support & Auto-Robotic CD Burner Hardware. EXAM-Filer can be installed on any EXAM-Console Workstation.

**EXAM-Vault® Archive Service:** HIPAA Compliant Privacy & Security, Quad-Redundant Archiving™ SSP (Secure Storage Provider) Service. Billed monthly, based on exam count. Includes: local temporary *On-Line* storage, and Long-Term, *On-Line*, *Off-Site* storage on redundant archive servers in CoActiv's Mirrored data centers. Service also includes dual-redundant DVD backups.

**EXAM-Vault® Archive Server Software & License:** Server software providing client access to the CoActiv EXAM-Vault Archive Service.

**EXAM-Archive™ Server Software & License:** Server software for local Archive Server(s). Also available with EXAM-Backup DVD option.

**EXAM-Backup™ Server Software & License:** Server software providing automatic, redundant DVD backups of exams on local EXAM-Servers or local Archive Servers. Requires the CoActiv Auto-Robotic DVD Burning Hardware & Software System.

**EXAM-Server™ Hardware Systems:** Complete, high-performance servers for local exam storage. Includes RAID disk drives, power supplies & network interface cards – *all redundant*. Available in a wide range of sizes including *500-GB, 1-TB, 2-TB, 5-TB and 10-TB storage capacity*.

**EXAM-Console™ Diagnostic Workstation Hardware:** Complete, high-end professional workstations, available with a selection of multiple-monitor configurations including 2MP & 3MP FDA approved DICOM Grayscale Displays, FDA Mammography-Certified 5MP Displays and 2MP Color LCD Displays. Most configurations include 2 Grayscale displays and 1 Color LCD display. (Vitrea specific models also available)

**EXAM-Console™ Technical / Admin / Viewing Station Hardware:** Complete computer workstations with 17" Color LCD Monitors.

**CoActiv Auto-Robotic Burner Hardware & Software Upgrade:** Automatic, robotic burner available in both CD & CD/DVD models. A *complete* solution... hardware and CoActiv CD/DVD burning software. (Standard and high-capacity models available.)

# EXAM-PACS® Exam Archiving and Backup Options

CoActiv Medical provides several methods for archiving exams that vary in redundancy, security, ease of use, and cost to the client. CoActiv always recommends our most redundant and secure archiving solution, the EXAM-Vault® Quad-Redundant Archive™ Service, however; some circumstances may allow the use of less redundant, less expensive archiving solutions. We offer these alternatives to meet the demands and specific requirements of each facility's unique situation (*the archive method selected is ultimately the decision of the client, and is a decision which should be made carefully*).

**CoActiv's Archive Services are available as part of the complete EXAM-PACS solution and are also available as add-ons for other PACS systems to enhance or replace older PACS archiving products.**

**A - EXAM-VAULT® Remote Archive Service:** This is the most secure, redundant and HIPAA compliant exam archive solution in the PACS industry. EXAM-Vault's Quad-Redundant Archiving™ architecture saves exams four times and guarantees immediate, always-on-line access that has resulted in a 100% Up-Time record, providing the basis of our new 100% Up-Time Archive SLA (Service Level Agreement) — a PACS industry *first*. The CoActiv Quad-Redundant Archiving™ storage sequence is outlined here:

1. As soon as an exam is received from any DICOM compliant modality, it is first stored on-line and on-site at the local facility on a temporary basis. This local storage is available in various sizes from 160-gigabytes up to multiple terabytes — size is always determined by a particular client's requirements.
2. Then the exam is instantly, and automatically, copied to the primary data center archive (*off-site*), which is also stored *on-line* and always available for instant recall.
3. The exam is then simultaneously mirrored to a redundant CoActiv archive site (*off-site*) where it is also stored *on-line* and immediately available.
4. And finally, all exams are automatically and permanently archived to redundant digital removable media (DVDs), with one copy stored at the data center and the other forwarded to the client for local storage. This unique solution provides *instant on-site disaster recovery*, even in the unlikely occurrence of a complete Internet collapse.

The data-centers mentioned above reside on different power grids and different Internet peering-points providing the ultimate in up-time reliability. Plus, every exam in each archive site is copied to removable media (DVD). All of this redundancy is available for a service charge of only a few cents per exam, per month. CoActiv does all the work and has the responsibility of maintaining and monitoring the archiving hardware and software, while the client enjoys peace of mind, knowing that all exams are safe, secure and instantly available—on-line at all times.

**B - EXAM-ARCHIVE™- Customer-Site Archive Solution:** This alternative local solution, allows clients to maintain their own on-site archiving system that includes the unique, auto-redundant archive software that produces DVD backups. Once an exam is sent to the local on-line server, it is automatically copied to a mirrored archive, and then two DVD backup copies are immediately created, resulting in the ultimate local exam security and redundancy. One copy of the backup DVDs should be stored off-site, in a secure location to assure HIPAA compliance. The client bears the expense of acquiring, monitoring and maintaining the multi-terabyte archive servers and DVD backup systems. Since the client assumes responsibility for their own archive, there is no additional per-exam fee associated with this solution.

**C - EXAM-BACKUP™- Customer-Site Backup Solution:** This is a server-based software solution that provides automatic redundant DVD backups of exams that are stored on local EXAM-Servers or local Archive-Servers. This backup method requires a CoActiv Auto Robotic DVD Burning System. EXAM-Backup is the least expensive of the various CoActiv Archive/Backup systems and is also the least redundant since exams reside on-line in only a single server; however, exams are automatically copied to redundant DVDs. One of these backup DVDs should be stored, off-site in a secure location to provide HIPAA compliance. This is an exceptionally affordable archive solution — even for the smallest imaging facilities.