CACHE-A
ARCHIVE APPLIANCES

DIGITAL MEDIA WORKFLOWS WITH CACHE-A LTO DATA TAPE DECKS

Ingest Devices

Field Storage

Desktop Storage

ExpressCards

USB

USB

eSATA

ExpressCard

Firewire Card

eSATA Card

Prime-Cache

Pro-Cache

AFP

Final Cut Pro

GbE

SMB

GbE

Avid

NFS

GbE

Discreet

GbE

FTP

Any Computer

Updated Models with More Space and Speed

■	Model	Tape	Processor	RAM	HDD
■	Prime-Cache	LTO-4	CoreDuo	2GB	1TB
■	Pro-Cache4	LTO-4	CoreDuo	4GB	2x2TB
■	Pro-Cache5	LTO-5	QuadCore	4GB	2x2TB

Cache-A Archive Appliances provide the most integrated networked archiving solution in post

- ■ Works with Macs, PCs and Linux/Unix Machines
- ■ Solutions with Avid and Final Cut Pro
- ■ Solutions with Final Cut Server, CatDV and R3DDM

Archiving made easy with Cache-A Archive Appliances

- ■ Application independent - no special software needed
- ■ Easy to deploy - plug and play on any network
- ■ Self-contained appliance is a complete solution

One Archive Appliance for *Every Step* in the Digital Content Creation Process

- ■ **Archive source masters of field footage**
  - ■ Cache-A archive appliances are compact, self-contained and easy to operate — on a network or stand-alone in the field
  - ■ Ingest footage to our disk share and archive-to-tape happens automatically in the background

- ■ **Archive complete projects in the edit suite**
  - ■ Project files, graphics, footage, stills, shot lists — all your data can all be saved in one place
  - ■ Multiple versions of your projects and content can all be placed on the same tape

- ■ **Interchange content on Cache-A tapes**
  - ■ Because Cache-A tapes have a directory on each tape, they are "self-describing" letting any Cache-A system see what is on any tape
  - ■ Cache-A tapes are written with standard "tar" format and your data can be restored by anyone with any LTO-4 or LTO-5 drive anywhere
  - ■ LTO-4 tapes cost about 5¢ per GB and provide 30 Year "IT industry" archival life

Cache-A LTO Data Tape Decks Workflow Overview

Production: in the Field and Studio

Cache-A archive appliances provide practical, safe, and portable content archive solution to free-up your high cost premium storage devices. Offering stand-alone direct connect functionality with the most popular camera storage systems, direct-attached and network based access to the archived media makes Cache-A an integral part of a production workflow. When media is copied to a Cache-A system to be archived it becomes available on the Cache-A share point, which can allow for anything from spot checking to full QC of your valuable field acquistions before cards are recycled. Ingest solutions include integration with Imagine Products and R3DDM software tools.

Cache-A archive appliances deliver direct connect compatibility with the industry's most used media storage adaptors and drives including Panasonic P2 devices, Sony EX devices, and Red devices.

Cache-A Part Number Reference	
Prime-Cache	CA-P4011
Pro-Cache4	CA-R4012
Pro-Cache5	CA-R5012
Rack Mount Kit	CA-RK001
Rack Filler Plate	CA-RK002

Post Production: Dailies Delivery and Editorial

Cache-A archive appliances provide the most integrated networked archiving solution in post. As a network appliance, Cache-A systems do not require a dedicated workstation and software. Any computer on the network can access and/or manage media on or off tape. Media is archived in its original directory structure, allowing it to be easily restored at any time from archives created in the field.

The Cache-A appliance maintains a searchable directory of every tape that has been in the appliance, making it easy and convenient to find archive media without the need to locate or insert the archive tape.

Direct attach functionality with media devices enables a post production workflow with media that arrives in house directly from the field, and then makes it available to editorial, with or without a SAN or NAS infrastructure. Original media can be easily archived for later use, while proxy media can be used for editorial, making for a convenient and cost effective off-line workflow.

- Platform agnostic, Macs, PCs and Linux/Unix Machines
- Workflows with Avid, Final Cut Pro, and many others
- Cost effective (5 cents per Gig) client delivery for dailies

Finishing, Production Facility, Client Media Delivery, and Deep Archive

Cache-A appliances can be a facility's complete archive solution or be part of larger asset management workflows for facility-wide production. Combined with its own networked internal tape catalog, asset management systems such as CatDV, FC Server and others form complete solutions using Cache-A appliances as the deep archive piece of the workflow. Metadata such as searchable keywords can be assigned to each file; archivists can also add barcode and location information to each tape. This information is maintained in the catalog and can be searched even when the tape is off-line.

Networked volumes can be mounted by Cache-A systems and archived with scheduled events. Cache-A appliances maintain files in their original directory structure and all files are written to tape using the "tar" standard. This allows for interchange with non-Cache-A LTO drives in the event tapes need to be transferred to locations without a Cache-A system.

- Cache-A tapes are written with "tar" for complete compatibility with non Cache-A tape drives
- Flexible network compatibility including: SMB, NFS, AFP, Bonjour, and FTP
- Workflow solutions with Final Cut Server and CatDV

Cache-A Archive Appliance Feature Comparison Matrix

Feature	Prime	Pro4	Pro5
Plug and play integration into Ethernet networks	✓	✓	✓
Directory on each tape	✓	✓	✓
Media is portable, shelf-storable, interchangeable	✓	✓	✓
Directly accessible with no special software	✓	✓	✓
Web-based interface, no additional software needed	✓	✓	✓
Network file system mounts	✓	✓	✓
Volume sharing built-in – works with client file system	✓	✓	✓
Simultaneous multi-user access	✓	✓	✓
Built-in searchable database of all of your tapes	✓	✓	✓
Support for file, folder and tape user metadata	✓	✓	✓
Scheduled archive capability built-in	✓	✓	✓
Span archives across multiple cartridges	✓	✓	✓

Feature	Prime	Pro4	Pro5
Standard "tar" compatibility	✓	✓	✓
Direct connect storage	✓	✓	✓
- USB 2.0	✓	✓	✓
- eSATA – fast hard disk support		✓	✓
- SAS – faster hard disk support		✓	✓
- ExpressCard – Firewire 800 and more		✓	✓
User configurable for RAID 0 or RAID 1		✓	✓
Hot swappable drives		✓	✓
Rack mountable with rack kit		✓	✓
LTO-4 800GB native tape capacity	✓	✓	
LTO-5 1500GB native tape capacity			✓
Internal hard disk capacity	1TB	4TB	4TB