



## Avid Unity solutions: think in sync

Don't just store your precious media assets; set them in motion with Avid Unity™ shared media networks. Connect every phase of your workflow—from digitizing to delivery, editing to finishing—in a real-time collaborative production environment that gives you and your organization complete control over the most complex, deadline-driven film, video, and broadcast projects.



**Avid**  
do more™

*“With Avid Unity we can work on multiple shows simultaneously and easily access shots from other episodes ... I don't know how a television series today would work without it.”*

**Jonathan Posell**, editor, “Desperate Housewives”



As post houses, broadcasters, and schools wrestle with rapidly growing volumes of material, they are relying on networked storage to help them manage their media, meet increasing demand, and give them a competitive advantage in a fast-moving market. Avid Unity media networks provide media professionals the freedom to be more creative with:

- Immediate, facility-wide access to offline and online media
- Simultaneous file sharing for real-time collaboration
- High availability
- Easy-to-administer media libraries
- Integrated media management options

With more than 3,000 installations worldwide, the Avid Unity family of shared storage solutions continues to set new standards in real-time performance, configuration flexibility, and reliability, with a range of scalable systems designed for workgroups of every size—from post boutique to broadcast network. The entire family offers proven Avid Unity file system architectures, the ability to configure multiple levels of media protection and component redundancy, and unmatched support for Avid editing and finishing systems.

## The Avid Unity philosophy

Your media assets are valuable. Your time is valuable. Your reputation is valuable. So every Avid Unity solution is engineered to do one thing: increase the value of your most important resources. High-performance storage and networking hardware is integrated with a purpose-built, real-time file system to eliminate traditional bottlenecks and streamline production workflows. An Avid Unity solution puts more media in more hands through exclusive features such as real-time file sharing; on-the-fly storage allocation; and intuitive workflow management tools.

## Designed to be scalable

The key to successful storage investment is balancing capacity and cost—and having the flexibility to grow as quickly as your needs change. Start with as few as 2 clients and 4 terabytes (TB) of storage or go all the way up to 150 clients and 192 terabytes of storage. Flexible Avid Unity configurations offer outstanding price/performance and worry-free hardware and software scalability—escalating the power of your network as you add storage capacity.

## Engineered for 24/7 environments

Downtime is simply not an option in deadline-intensive post and broadcast environments. That's why Avid Unity solutions are designed for uninterrupted availability and real-time performance. Avid Unity configurations include proven Gigabit Ethernet or Fibre Channel client connectivity—verified through millions of hours of Avid testing and years of mission-critical field usage. Automatic file system failover and background media recovery provide unmatched reliability and asset protection. And the innovative Avid ISIS™ Engine takes media protection to the next level with intelligent, self-diagnosing blade servers that eliminate traditional points of hardware failure, while reducing recovery time from drive failures by up to 20 times when compared with conventional RAID technology.

*“It was very easy to add more machines to our central system, which makes [Avid] Unity a very flexible option for working on these complex films.”*

**Lee Smith**, editor, *Batman Begins*

# Avid Unity solutions at a glance

Files keep getting bigger. Deadlines keep getting shorter. And you need the flexibility to respond to any situation. Juggle low- and high-resolution DV, SD, and HD media. Connect 2 to 150 clients today, and even more in the future. Transform isolated suites and departments into an efficient, collaborative workgroup. Choose the Avid Unity solution designed to meet your precise requirements:

## Boutique solutions

**Avid Unity LANshare LP** systems are ideal for workgroups and small- to mid-sized media facilities, including film and offline editing, rental shops, newsrooms, schools, Web content developers, and corporate media departments. Cost-effective LANshare LP systems are available with either 4 TB or 8 TB (expandable to 16 TB) of storage capacity. They support both high-bandwidth Fibre Channel and low-cost Ethernet interfaces in a compact, all-in-one server and storage chassis. And because they are preconfigured, and require minimal technical support, Avid Unity LANshare LP systems are easy to install and easy to own.

## Facility solutions

High-bandwidth **Avid Unity MediaNetwork** systems handle compressed and uncompressed media in real time, while enabling editing, finishing, audio, and graphics work to take place simultaneously—using the same media files—in a shared workspace. The MEDIArray™ LP storage system provides enhanced diagnostics and enables hot failover to ride through any drive failure. An Avid Unity MediaNetwork solution is ideal for collaborative HD production using mastering-quality, high-efficiency Avid DNxHD™ encoded media or uncompressed HD.

## Enterprise solutions

The **Avid Unity ISIS™** (Infinitely Scalable Intelligent Storage) media network combines a new, highly scalable Avid Unity ISIS architecture and 64-bit file system. Together, they offer support for up to 150 real-time 50 Mbps clients with simultaneous access to as much as 192 TB of storage today—with substantial expansion possibilities planned for the future. Avid Unity ISIS

systems provide facility-wide uninterrupted access to media, powerful yet simple management tools, and an open architecture that supports both Avid® and non-Avid clients. With highly efficient and reliable delivery and massive storage capacity, plus self-healing technology in the event of a drive failure, the Avid Unity ISIS media network is designed for the most demanding postproduction and broadcast environments.



Boutique solutions

Facility solutions

Enterprise solutions

## Avid Unity LANshare LP

## Avid Unity MediaNetwork

## Avid Unity ISIS

### Number of real-time clients supported

Up to 20

### Number of real-time clients supported

Up to 60

### Number of real-time clients supported

Up to 150

### Clients and resolutions

All resolutions, from offline to HD, including:

- Up to 20 single-stream clients at DV25
- Up to 6 dual-stream clients at 2:1
- Up to 4 dual-stream clients at Avid DNxHD 145
- Up to 3 dual-stream clients at 1:1 10-bit SD

### Clients and resolutions

All resolutions, from offline to HD, including:

- Up to 60 single-stream clients at DV25
- Up to 24 dual-stream clients at 2:1
- Up to 16 dual-stream clients at Avid DNxHD 145 or 1:1 8-bit SD
- Up to 8 dual-stream clients at Avid DNxHD 220 or 1:1 10-bit SD
- Up to 3 single-stream clients at 1:1 10-bit HD

### Clients and resolutions

All resolutions up to 145 Mbps, including:

- Up to 150 dual-stream clients at DV50
  - Up to 150 dual-stream clients at 2:1
  - Up to 72 dual-stream clients at Avid DNxHD 145
- Higher-resolution client support planned for future release.

### Interconnection

Gigabit Ethernet, Fibre Channel (4 Gb)

### Interconnection

Gigabit Ethernet, Fibre Channel (4 Gb)

### Interconnection

Gigabit Ethernet

### Total available bandwidth

~170 MB/sec (actual, under load)

### Total available bandwidth

~850 MB/sec (actual, under load)

### Total available bandwidth

~3.6 GB/sec (actual, under load)

### Total amount of storage

4 TB or 8 TB expandable to 16 TB (8 TB mirrored)

### Total amount of storage

Up to 40 TB (20 TB mirrored)

### Total amount of storage

Up to 192 TB (96 TB mirrored)

### Video subsystem support

Avid DNA™, Meridien™

### Video subsystem support

Avid DNA, Meridien

### Video subsystem support

Avid DNA, Meridien

### Real-time client support

Avid Xpress®, Avid Xpress Pro, Film Composer®, Avid Instinct™, Media Composer®, Media Composer Adrenaline™ family, NewsCutter® Adrenaline, NewsCutter Effects, NewsCutter XP, Symphony™, Symphony Nitris®

### Real-time client support

AvidIDS, Avid DS Nitris, Avid Xpress, Avid Xpress Pro, Digidesign® Pro Tools®, Film Composer, Avid Instinct, Media Composer, Media Composer Adrenaline family, NewsCutter Adrenaline, NewsCutter Effects, NewsCutter XP, Symphony, Symphony Nitris

### Real-time client support

Avid DS Nitris, Avid Xpress, Avid Xpress Pro, Film Composer, Avid Instinct, Media Composer, Media Composer Adrenaline family, NewsCutter Adrenaline, NewsCutter Effects, NewsCutter XP, Symphony, Symphony Nitris

### System options

AirSpeed®, Avid Archive™, Avid Interplay™ family, DMS ProEncode™, MediaManager, Nearchive™, TransferManager

### System options

AirSpeed, Avid Archive, Avid Interplay family, DMS ProEncode, MediaManager, Nearchive, PortServer/PortServer Pro, TransferManager

### System options

AirSpeed, Avid Archive, Avid Interplay family, DMS ProEncode, MediaManager, Nearchive, TransferManager



Each intelligent Avid ISIS Storage Blade is a mini server including disks, processor, memory, and networking. The storage blades communicate with one another, constantly balance loads, and redistribute data in the case of drive failure.

# Avid Total Services

Comprehensive and customizable

## Training Services

Avid offers personalized training 24/7 worldwide. From the basics of digital video editing to advanced instruction in administrating, configuring, and troubleshooting, award-winning Avid Training Services combine the best of classroom and self-paced learning. Training is conveniently available at your site, at Avid headquarters, in Avid Authorized Education Centers around the globe, or even in your own home.

## Support Services

Avid tailors support to your systems, needs, and budget. From planning and implementation through ongoing maintenance, Avid experts stand ready to build and test your uniquely integrated systems offsite before shipping, come to your site to facilitate new technology integration, or monitor and troubleshoot your entire operation remotely.

## Consulting Services

Avid experts are eager to share their industry-leading expertise with you. Vision, digital know-how, and knowledge of best practices ease the planning, integration, and operation of your systems. Let Avid shoulder the responsibility of keeping your technology current and ensuring maximum return on your investment.

To learn more, visit [www.avid.com/unitysolutions](http://www.avid.com/unitysolutions) or contact your local Avid office.

Corporate Headquarters  
800 949 AVID (2843)

Asian Headquarters  
+ 65 6476 7666

European Headquarters  
+ 44 1753 655999

To find your local Avid office,  
visit [www.avid.com/contact](http://www.avid.com/contact)

**Avid**  
do more™

Cover image courtesy of FotoKem

© 2006 Avid Technology, Inc. All rights reserved. Product features, specifications, system requirements, and availability are subject to change without notice. Adrenaline, AirSpeed, Avid, Avid Archive, Avid DNA, Avid DNxHD, Avid ISIS, Avid Unity, Avid Unity ISIS, Avid Xpress, Digidesign, Film Composer, iNEWS, Instinct, MEDIArray, Media Composer, Meridian, Nearhive, NewsCutter, Nitris, ProEncode, Pro Tools, and Symphony are either registered trademarks or trademarks of Avid Technology, Inc. or its subsidiaries in the United States and/or other countries. All other trademarks contained herein are the property of their respective owners.

AUSB0406