

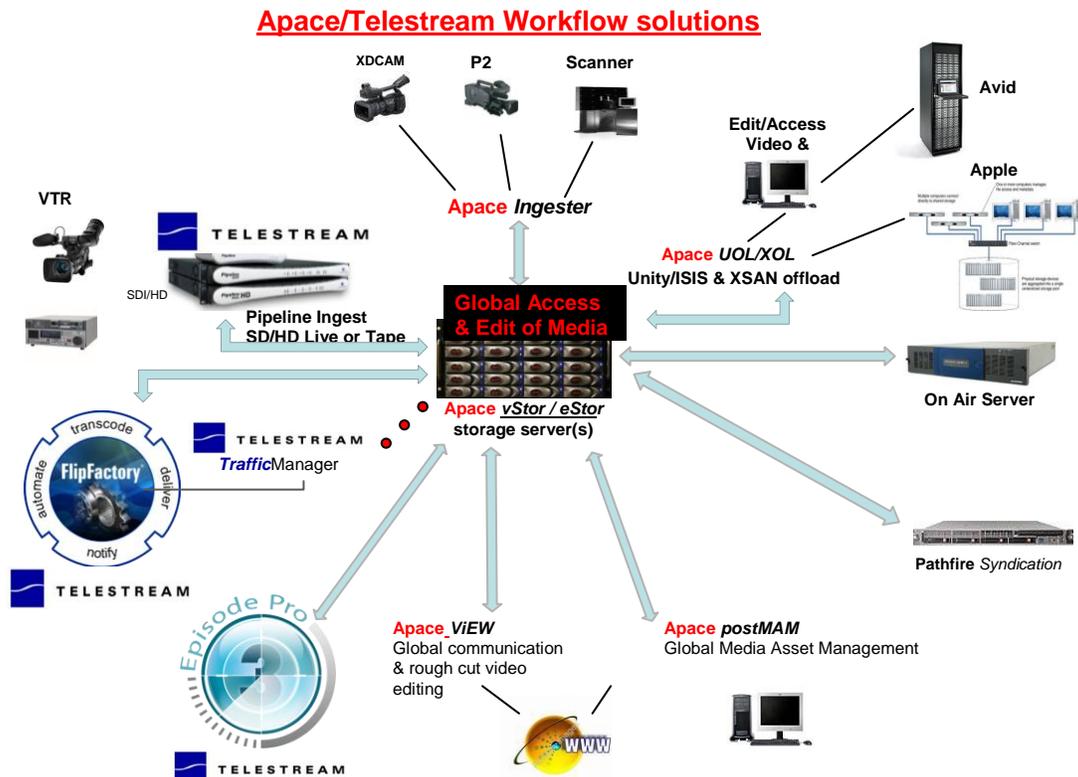


Apace Systems Media Workflow and Storage

End-to-end Integrated and Managed Media Workflow Solution

Seamless ingest, transcode, creation, consolidation and distribution of content

Apace Systems and Teletream offer integrated solutions that simplify media ingest from tape, camera and nonlinear editing platforms into any file-based workflow. Broadcasters, post-production houses, studios, houses of worship, education, and government agencies can all benefit from our seamless modular approach.



Network-based ingest from tape and camera sources

Teletream Pipeline network encoder ingests SD & HD video and audio from tape and camera sources into Apace eStor and vStor storage

- **Ingest P2 and XDCAM content and transcode to any format**
Content is ingested from Panasonic P2 and Sony XDCAM cameras and transcoded to any format using Teletream FlipFactory and Episode transcode engines
- **Ingest syndication content from Pathfire directly to Apace Storage system**
Teletream TrafficManager provides seamless ingest of syndication content from Pathfire catch servers directly to Apace Storage systems
- **Transcode between virtually any video and audio file format**
Teletream Episode and FlipFactory reformat and deliver media to transcode bins on Apace eStor and vStor storage
- **Seamless media management and interactive proxy generation**
Provides integration between Apace postMAM media asset management with FlipFactory and Episode transcode engines interfacing seamlessly with Apace storage
- **Global distribution of proxy-generated content for review**
Distributes low-resolution proxy files created by Teletream transcode engines





- **Seamless access to on-air broadcast servers**
Telestream reformats media, enabling seamless file exchange between Apace storage systems and play-to-air servers
- **Real-time preparation of raw media**
Enables transcoding and consumption by vStor and ViEW locally and globally

How the combined solution meets your business challenge

Customers can benefit from a well-integrated workflow that facilitates several layers of service from the combined set of Telestream and Apace equipment:

Ingest workflows: Telestream Pipeline + Apace eStor network storage + Apace postMAM Media asset management (MAM) + Ingester facilitating tying XDCAM and P2 to Telestream transcoder access.

Live ingest: Multiple baseband camera feeds can be ingested with Pipeline into Apace storage and MAM, as well as played back out to tape, offering streamlined ingest, storage and distribution.

Edit workflows: Telestream Pipeline for ingest + Apace vStor video editing appliance storage + Apace postMAM global access MAM + Apace ViEW browser-based global rough cut video editing.

Transcode farm support: Telestream FlipFactory or Episode + Apace Storage + Apace postMAM MAM managing large Raw and Proxy combination with global access option.

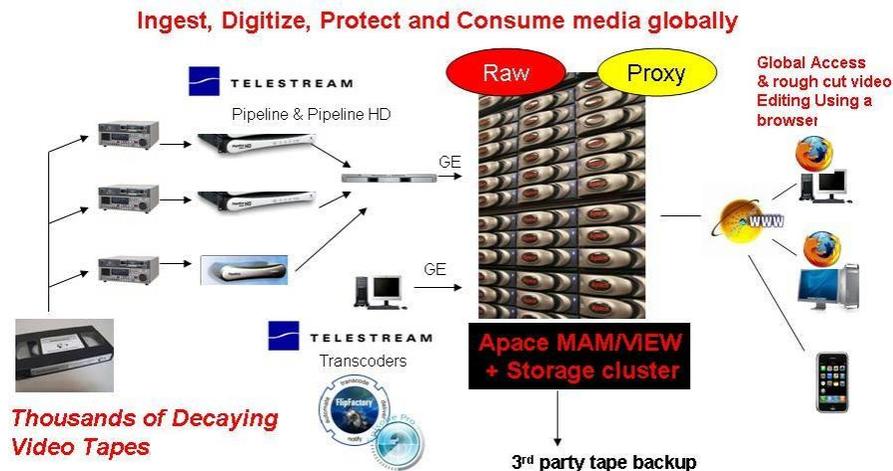
TrafficManager performance storage support: Multiple Telestream TrafficManager servers served by a single Apace eStor or vStor storage.

Pathfinder support: Pathfinder data supported via Apace network Storage.

Play-to-air backend transcode and archive support: Telestream transcoders + Apace network storage with FTP offer archive and transcode support for Harris, Omneon, Grass Valley and other popular play-to-air servers.

Storage consolidation workflows: With Apace UOL/XOL Unity and XSAN offload we can consolidate and backup, and control with Apace MAM for further consolidated transcoding and distribution access by Telestream Episode, FlipFactory and TrafficManager.

Videotape ingest workflows: Hundreds of decaying video tapes can be ingested via Pipeline, transcoded by Telestream engines and paired with Apace MAM for indexing, on-line digitization and backup to 3rd party tape library.



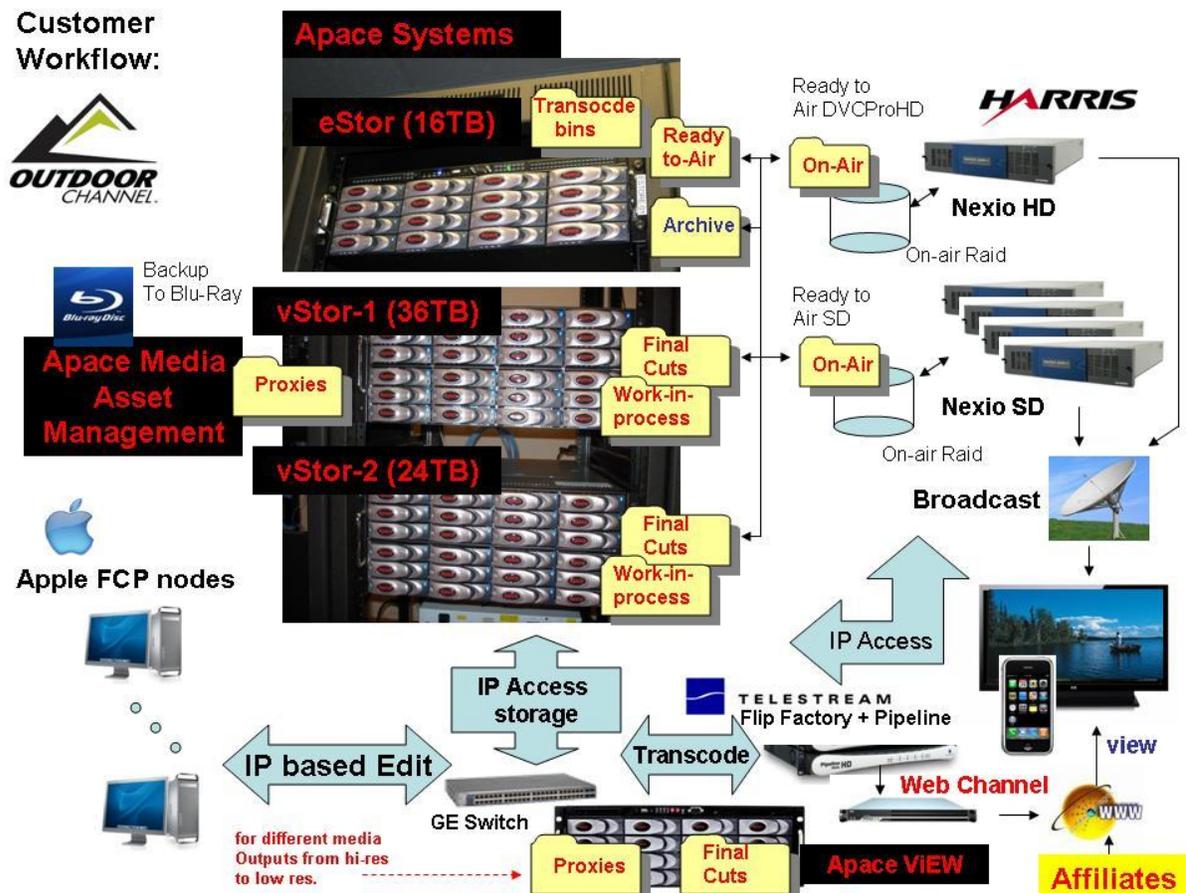


Why Choose the Combined Solution?

As vendor agnostic companies, Apace and Telestream offer a building-block approach to media workflows providing end-to-end workflows, from ingest to distribution of content, in support of Adobe, Apple, Avid, Grass Valley, Harris, Panasonic, Sony and other major systems, effectively offering the ingest, transcode, storage, MAM and IP distribution to these heterogeneous ecosystems.

Customer workflow example

Outdoor Channel is a satisfied customer that has partnered with Apace, Telestream and Harris to deploy an end-to-end workflow for its ingest, edit, storage consolidation, Media Asset Management, on-air IP delivery and IP content distribution workflow with below showcased tools:



About the Apace Systems and its products

Apace Systems is a media workflow and storage system company that offers end-to-end solutions for ingest, edit, consolidation, global media asset management, remote rough cut video editing and distribution of media content. All Apace platforms are accessible via a browser over IP networks and interoperate with a variety of third party solutions in support of Telestream FlipFactory, Episode, TrafficManager and Pipeline products.

vStor: Apace Real-time editing storage appliance
Offers collaborative video editing storage appliance over GE/10GE networks for all video editing





platforms. Support for large aggregate stream count support for DV/HDV, DVCPRO-HD, DNxHD, ProRes workgroup per system. Scalable to hundreds of terabytes and streams by adding more systems to the network.

eStor: Apace high throughput network storage

Offers enterprise NAS for up to 400Mbytes/s throughput for ingest and access over Multi-GE and 10GE IP networks

PostMAM: Apace Global Access Media Asset Management (MAM)

Web 2.0 ready media asset management enabling unique global access to all ingested, edited, transcoded data from anywhere in the world

ViEW: Apace Web based rough cut video editing

Web 2.0 ready global interactive communication and rough cut editing tool using a browser and in support of Apace Media asset management platform

Ingestor: P2 and XDCAM managed media support

Intelligent Media Aware ingest support for P2 and XDCAM in support of Apace MAM

UOL/XOL: Apace Unity/ISIS offload, Apace XSAN offload

Intelligent client/server software for offload and backup of Unity ISIS/Unity and XSAN storage islands into Apace storage and MAM

About Telestream and its products

Telestream is a leading provider of enterprise-class video encoding and transcoding solutions. Customers include the world's most demanding media and entertainment companies, corporations and government institutions, who rely on Telestream products for convenient, cost-effective and robust digital video capture, transformation and delivery across data networks. Telestream products make it possible to get video content to any audience regardless of how it is created, distributed or viewed.

FlipFactory: is Windows server-based video transcoding and workflow automation software that automates transcoding between all major video and audio file formats and the transfer of media and metadata between all major professional systems.

TrafficManager: is Windows server-based system that automates the way that syndicated content and commercials are received from digital delivery services. With Telestream's world-class FlipFactory transcode engine under the hood, TrafficManager automates the entire process from ingest to playout, including media receipt, dub list matching, notification, tracking, previewing reformatting and delivery to destination devices

Pipeline and Pipeline HD: are network encoding and playout devices that enable multi-stream ingest from tape and live sources as well as real-time encoding to DV, IMX, MPEG-2 I-frame standard definition formats and DNxHD, DVCPROHD and ProRes 422 HD high definition formats. Pipeline allows users to edit or transcode media while it is being captured, making it useful for fast ingest into editing and transcoding workflows, as well as into digital archives and asset management systems.

Episode Engine: is Mac server-based video transcoding software that provides transcoding between virtually any video or audio file format for delivery to multiple distribution platforms, including web, mobile devices, DVD, TV and storage systems.

For more information, visit: www.apacesystems.com www.telestream.net

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