

Pipeline™

Network Encoder for FlipFactory®



Network-accessible SDI video encoding device

- Provides real-time, reliable SDI hardware encoding
 - Encodes to DV/DVCPRO 25, IMX 30/40/50 & MPEG-2 I-frame in a single box
 - Sits on your network – so anyone can access it
 - Extends FlipFactory to include workflows with tape-based or live sources

Extend FlipFactory workflows with Pipeline

Pipeline™ is a real-time digital media encoding solution for broadcasters, post-production houses, government agencies and other video professionals. This innovative video capture device extends the FlipFactory workflow, allowing real-time ingest of high-quality baseband media directly into a FlipFactory server.

A better way to ingest baseband media

Pipeline is a dedicated external encoding device that offers freedom from the hassles, expense and limitations of capture card solutions. It is more reliable, eliminating the susceptibility of a server/card model. It removes operating system and driver incompatibilities. Further, it provides a cost-effective alternative to expensive broadcast server channels for ingesting media.

Accessible from any workstation on your network

Pipeline sits on your network, so any FlipFactory user connected to the network can access available Pipeline channels from the familiar FlipFactory user interface. This eliminates the need for a dedicated workstation for each user.

Real-time encoding accelerates workflows

Media transfer to FlipFactory begins immediately while encoding in Pipeline. No need to wait for the complete file to arrive. Simultaneous transcoding in FlipFactory greatly improves overall workflow throughput. High-resolution IMX files can be directed to storage, while a proxy or other version is being created by FlipFactory. Plus, RS-422 deck control provides frame accurate ingest from professional tape machines.

Supports a broad range of formats

Pipeline offers user-selectable encoding to multiple formats in a single box. Pipeline is network configurable to encode standard definition DV/DVCPRO 25, IMX 30/40/50 and MPEG-2 I-frame. No need to have multiple dedicated devices to handle your changing format needs. Plus, Pipeline is network upgradeable to easily add new formats and features as they become available from Telestream.

Pipeline Quad, the multi-channel model, offers additional features such as confidence monitoring, to view what is being encoded, and redundant power supplies for critical workflows. Unparalleled encoding density and significant per-channel cost savings are provided in a compact 1RU chassis.

Applications:

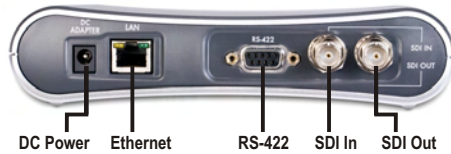
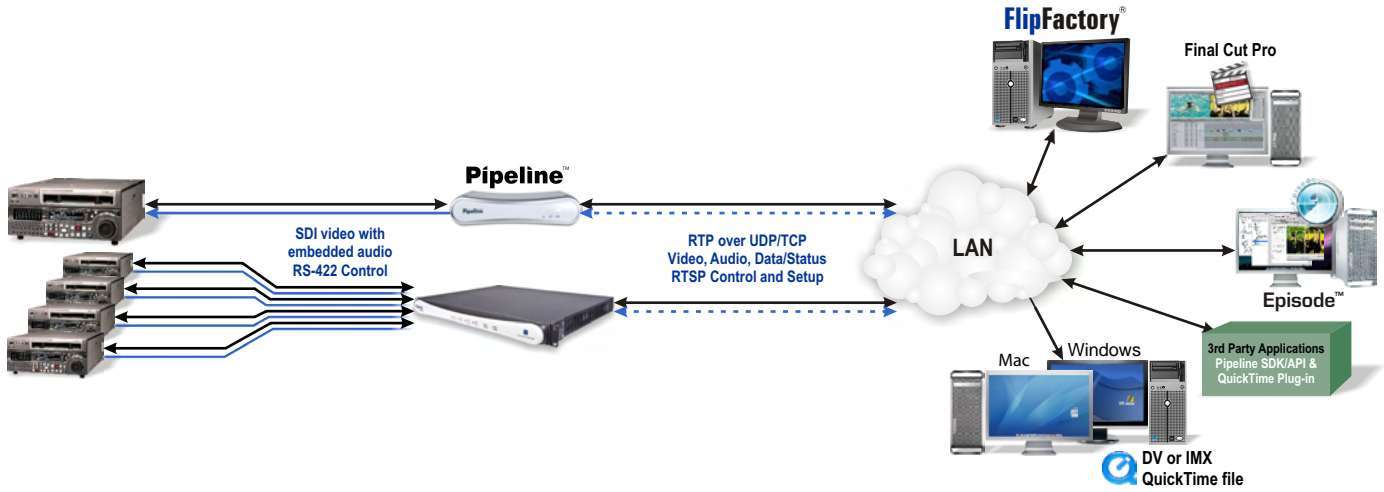
Batch ingest from an EDL file allows users to encode multiple clips from a single tape. Plus, FlipFactory can automatically pick up EDLs from monitored folders for easy EDL integration. Together, Pipeline and FlipFactory automatically control the VTR and encode the clips needed.

Encode analog tapes into online digital libraries and asset management systems. Pipeline can be used to archive high-quality master files into DAM systems. Using the powerful metadata extraction tools in FlipFactory, master assets, proxy files and all associated metadata can be delivered to DAM systems in one single-step process.

Pipeline adds support in DV workflows for direct VBI data extraction of closed captions and timecode. In addition to RS-422 and VITC, Pipeline also supports time-of-day timecode in your input signal from a network time source.



TELESTREAM



Pipeline (single channel)



Pipeline Quad (multi-channel)

	Single	Quad
Baseband I/O		
Serial Digital (BNC, SMPTE 259M 270 Mbps)	✓	✓
16 channels embedded audio	✓	✓
Reference (BNC, 75 ohm)		✓
Automatic detection of 525/625	✓	✓
Network Connection		
10/100 Mbps Ethernet port	✓	
10/100/1000 Mbps Ethernet port		✓
Rack Mount		
1RU Chassis (19")		✓
Power		
External Power module	✓	
Internal Redundant Dual Power Supply		✓

Video Encode/Decode formats (NTSC/PAL) standard definition
 DV/DVCPPro (25Mbps)
 IMX 30, 40 and 50
 MPEG-2 I-Frame 50Mb (ClipMail master-quality compatible)

Audio
 48Khz / 16bit / Uncompressed

VTR Control
 RS-422, 9 pin Sony Protocol

Network Protocols
 TCP/IP, UDP, RTSP, RTP
 Apple® Bonjour compliant (device discovery/control)

Dimensions
Pipeline: 191mm/7.5" W x 140mm/ 5.5" D x 38 mm/1.5" H
Quad: 439mm/17.9" W x 336mm/13.25" D x 44mm/1.73" H

- Acquisition modes:**
- Mark in/out
 - Enter time codes
 - Enter start/duration

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