

PX TRANSCODE STATION



PX Transcode Station

Providing the speed, efficiency, and reliability that video professionals require, the PX Transcode Station converts video from one format and/or broadcast standard to another with impeccable quality. Support for a wide range of video codecs is included.

PX Transcode Station

Whether you're converting footage for your NLE system, preparing video for web-based applications, or optimizing formats for archiving, the PX Transcode Station makes it fast and easy to convert video from one codec to another while maintaining the professional quality standards that your business demands.

Capabilities

Flexible Video Conversion

Converts video codecs, aspect ratios, and broadcast standards (NTSC and PAL)

Converts frame rates, complete with frame-rate interpolation

Converts video to the format that your NLE system requires and into formats such as Windows Media and RealVideo for use in web applications

Creates and preserves timecode

Supports multiple color spaces, including YUV and RGB

Dedicated Audio Conversion

Maps audio channels

Imports or exports audio with separate controls (includes multiplexing)

Encodes Dolby® Digital audio

Wide Range of Functionality

Generates files for DVDs, including VOB files and DVD video image files with chapter points

Automatic adaptive de-interlacing

Includes 3:2 pulldown, inverse telecine, and multipass VBR processing

Efficient File Management

Creates multiple target files from a single source file—simultaneously

Stitches multiple source files together to create a single file

Optimizes file size for efficient archiving; converts video to your preferred archiving format

Preserves system bandwidth with a dedicated transcoding station

Queues jobs, manages transcode priorities, and specifies destination folders

Seamless Integration with the PX Media Server

Uses watch folders to automate transcoding—whenever a new file appears in the folder, it's transcoded automatically and placed in a predefined destination on the PX Media Server

About the PX Media Server

A fully integrated hardware and software solution, the PX Media Server is a flexible solution with a convenient browser-based interface that provides immediate access to audio, video, images, and text-based data from any location. Additional features include online and offline usage, picture-to-clip extract, multiclient support, access rights management, and NLE format compatibility via the FS DV Conversion Suite.

Supported Formats

Compatible with numerous video codecs, audio codecs, and popular image file formats, the PX Transcode Station converts your source format to any target format while maintaining the highest quality standards.

Codecs	Source Formats	Target Formats
Video Codecs		
Adobe Flash	•	• ³
AVCHD	•	—
AviSynth	•	—
Canopus DV	•	•
Canopus HQ	•	•
DivX	•	• ⁴
MediaEdge/HDMA4000 ¹	—	•
Microsoft DirectShow	•	•
Microsoft DV	•	•
MPEG-1	•	• ⁵
MPEG-2	•	• ⁵
MPEG-4	—	•
MPEG-4 Part 10	•	•
QuickTime	•	•
RealVideo	—	•
VOB (DVD-Video Object)	—	•
Windows Media ²	•	•
Audio Codecs		
ACM	—	•
Dolby Digital AC-3	•	•
MP3	•	•
PCM WAV	•	•
Image Files		
BMP	•	—
JPEG	•	—
TGA	•	—
TIF	•	—
PNG	•	—

¹ MPEG-2; MPEG-4

² Encompasses all Windows codecs

³ Flash MX must be installed

⁴ Includes multipass

⁵ Uses Canopus codec

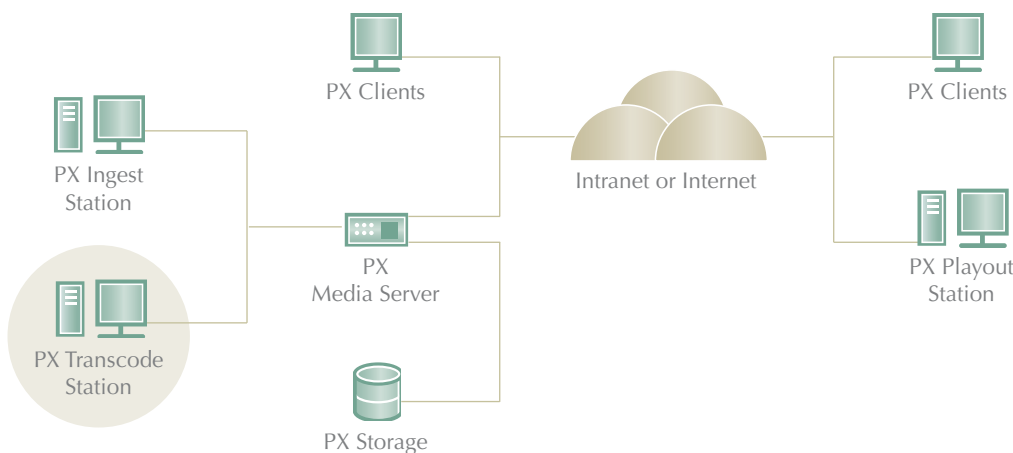
Video and Audio Filters

With the PX Transcode Station, you can apply a number of video and audio filters to your footage while you convert it from one format to another.

Filters		
Video Filters		
601 to 709 Color Correction	Blur	Median
709 to 601 Color Correction	Broadcast Color Safe	Pulldown
601 Correction (Expand Color Space)	Circular Blur	Relative Crop
601 Correction (Shrink Color Space)	Color Correction	Rotate
Adaptive De-Interlace	Fade In/Out	Sharpen
Bitmap Keying	Gamma Correction	Temporal Noise Reducer
Black/White Correction	Gaussian Blur	Video Inverse Telecine Filter
Audio Filters		
Channel Mixer	Lowpass	Volume
Fade In/Out	Normalize	

Expanding Your System

The PX Media Server is the heart of the PX Media Asset Management system, and it enables you to manage media-based data with efficiency and ease. In addition to acquiring the PX Transcode Station, you can expand your media asset management system to include ingest and playout (each sold separately). All components are controlled by and managed through the PX Media Server, ensuring that your media assets are centralized, secure, and easily accessible.



PX Media Server Expansion Options

In addition to the PX Transcode Station, the following expansion options are available for the PX Media Server:

PX Ingest Station

Supporting high-resolution MPEG-2 and DV/DVCAM encoding, the PX Ingest Station enhances your workflow by enabling you to ingest, index, and upload multiple channels of analog or digital video to the PX Media Server.

PX Playout Station

With the PX Playout Station, you can add 24/7 scheduled program playout to the PX Media Server and enjoy seamless playback of high-resolution MPEG-2 and DV formats. The PX Playout Station also includes logo and banner insertion, closed-captioning support, switcher control and the Focus scheduling tool, and redundant power and storage.

PX Media Transfer Utility

Supporting hierarchical-based file formats such as P2 MXF, the PX Media Transfer Utility enables you to preserve native metadata and file structure as you import and export video to and from the PX Media Server. With its Universal Metadata Engine™, the PX Media Transfer Utility allows you to add custom metadata to your footage.



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Technical Specifications

PX Transcode Station	
Software	
Video Format Conversion	Grass Valley ProCoder 3
Operating System	Windows XP Pro
Hardware	
Computer/Server	
Model	IBM IntelliStation Z Pro ¹
Processor	2.33-GHz Intel® Xeon® Dual-Core 5140 processor
Memory	2GB
Hard Drives	160GB and 250GB 3.5" SATA II
Hard Drive Speed	7,200 rpm
Controller	—
Optical Drive	DVD-ROM
Connectivity	Gigabit Ethernet
Power Supply	815W; 120V AC
Form Factor	Tower; black
Rack Mount Kit (optional)	Space required: 5U
Dimensions	18.7" high by 8.5" wide by 19 .7" deep
Weight	46 pounds

¹ Keyboard and mouse included; monitor not included

Support

When you purchase PX media asset management solutions from Focus Enhancements, you not only receive reliable products that deliver superior performance every day, you also receive unconditional service and support from a team of seasoned video professionals. All products are backed by comprehensive warranties and optional support contracts that cover installation, training, 24/7 phone support, and priority parts replacement.

Consultation

With extensive experience in designing, configuring, and integrating media asset management solutions for organizations around the world, the Focus team can help you select the perfect combination of components to meet your specific needs.

Corporate Headquarters

Focus Enhancements
1370 Dell Avenue
Campbell, CA 95008
P 800 338 3348 (toll free)
P 408 866 8300
F 408 866 4859
E sales@focusinfo.com
E asiapac@focusinfo.com

European Headquarters

COMO Computer & Motion GmbH
A Focus Enhancements Company
Lise-Meitner-Str.15
24223 Schwentinental
Germany
P +49 4307 8358 0
F +49 4307 8358 99
E emea@focusinfo.com

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