

## PX INGEST STATION



PX Scheduled Ingest Station



PX Automated Ingest Station

### Monitor Sources



Scheduled Ingest

Available in two editions, the PX Ingest Station makes it easy to capture multiple channels of video—including audio, analog video, and digital video files—and seamlessly transfer them to the PX Media Server.

### PX Ingest Station Editions

#### PX Scheduled Ingest Station

The PX Scheduled Ingest Station enables you to capture, import, and archive video with ease. Supporting up to three channels of video simultaneously—each with its own set of controls—the PX Scheduled Ingest Station allows you to assign metadata, save clips to projects, and ingest video by creating a capture schedule.

PX Scheduled Ingest Station	Capabilities
Enables you to capture content, preview it in real time, and seamlessly transfer it to the PX Media Server.	Manual and Scheduled Import
	Closed-Captioning Recording as Metadata
	Real-Time Content Viewing
Is compatible with popular standard-definition video file formats.	MPEG-2, DV
Preserves time code, ensuring that important, native information is maintained.	Time Code Preservation
Enables you to create and insert timecode-based predefined metadata in real time, using hot keys.	User-Defined Metadata
Accommodates a wide variety of video inputs.	Composite, Component YUV, FireWire, SDI, S-Video

#### PX Automated Ingest Station

The PX Automated Ingest Station enables you to monitor and ingest content around the clock. The date and time interface, combined with the RAID-5 server, makes it easy to randomly access, rapidly preview, and instantly save video locally. You can maximize your storage space by selecting your desired encoding rate (2 to 15 Mbs).

PX Automated Ingest Station with MoniSys™	Capabilities
Enables you to seamlessly ingest content 24 hours a day, without losing a single frame of video. Media can be transferred from the PX Ingest Station to the PX Media Server with ease.	Automated Recording (24/7)
	Closed-Captioned Content
	Compressed and Uncompressed Content Ingestion
Is compatible with popular standard-definition video file formats.	MPEG-2
Preserves time code, ensuring that important, native information is maintained.	Time Code Preservation
Accommodates a wide variety of video inputs.	Composite, Component YUV, SDI, S-Video
Enables you to continuously store and forward media to local or network-based storage solutions.	Flexible Storage Options

## Models by Edition

### PX Scheduled Ingest Station

MPEG-2 Composite

MPEG-2 SDI

DV IEEE 1394

### PX Automated Ingest Station

MPEG-2 Composite

MPEG-2 SDI



### Focus MMC Media Codec Card

Included in the MPEG-2 PX Ingest Station models, the Focus MMC Media Codec Card converts standard-definition uncompressed video signals to and from compressed MPEG-2 files. The MMC card includes SD codec capability, enabling MPEG encoding and MPEG decoding to be handled by separate hardware. This feature provides the highest-quality real-time encoding and decoding—with complete video format flexibility.

## PX Ingest Station Models

### PX Scheduled Ingest Station and PX Automated Ingest Station

MPEG-2 Composite Model	One Video Channel	Two Video Channels
<b>Video</b>		
Composite		
Codec Card	Focus MMC-1	Focus MMC-1
Connector(s), Output Level, Impedance	1 x BNC; 2.0–7.0V p-p; 75 ohms	2 x BNC; 2.0–7.0V p-p; 75 ohms
S-Video		
Connector(s), Output Level, Impedance	1 x 4-pin Mini-DIN; Y: 1.0V p-p; C: 627m p-p; 75 ohms	2 x 4-pin Mini-DIN; Y: 1.0V p-p; C: 627m p-p; 75 ohms
<b>Compression</b>		
Format and Stream Type	MPEG-2; Program Stream	MPEG-2; Program Stream
Bit Rate	2–15 Mbps (constant); 2–12 Mbps (variable)	2–15 Mbps (constant); 2–12 Mbps (variable)
GOP Type, Size (selectable), Structure (selectable)	Closed <sup>1</sup> ; 1–15 frames; I, IP, IBP, IBBP	Closed <sup>1</sup> ; 1–15 frames; I, IP, IBP, IBBP
<b>Audio</b>		
Format, Sample Rate, Word Count	MPEG-1 Layer 2; 48 kHz; 384 kbps; 16 bit	MPEG-1 Layer 2; 48 kHz; 384 kbps; 16 bit
Channels	2 channels	4 channels
Input	Unbalanced	Unbalanced

MPEG-2 SDI Model	One Video Channel	Two Video Channels
<b>Video</b>		
SDI		
Codec Card	Focus MMC-2	Focus MMC-2
Connector(s)	2 x BNC; SMPTE 259M	4 x BNC; SMPTE 259M
Impedance, Bit Rate, Resolution	75 ohms; 270 Mbps; 10 bits	75 ohms; 270 Mbps; 10 bits
<b>Compression</b>		
Format and Stream Type	MPEG-2; Program Stream	MPEG-2; Program Stream
Bit Rate	2–15 Mbps (constant); 2–12 Mbps (variable)	2–15 Mbps (constant); 2–12 Mbps (variable)
GOP Type, Size (selectable), Structure (selectable)	Closed <sup>1</sup> ; 1–15 frames; I, IP, IBP, IBBP	Closed <sup>1</sup> ; 1–15 frames; I, IP, IBP, IBBP
<b>Audio</b>		
Format, Sample Rate, Word Count	MPEG-1 Layer 2; 32 kHz or 48 kHz; 20 bit	MPEG-1 Layer 2; 32 kHz or 48 kHz; 20 bit
Channels	2 channels	4 channels
Balanced Input (connector(s), nominal level, impedance)	2 x XLR per channel; +4 dBu; 20k ohms	4 x XLR per channel; +4 dBu; 20k ohms
AES/EBU (connector(s), nominal level, impedance)	2 x XLR per channel; 2.0–7.0V p-p; 110 ohms	4 x XLR per channel; 2.0–7.0V p-p; 110 ohms

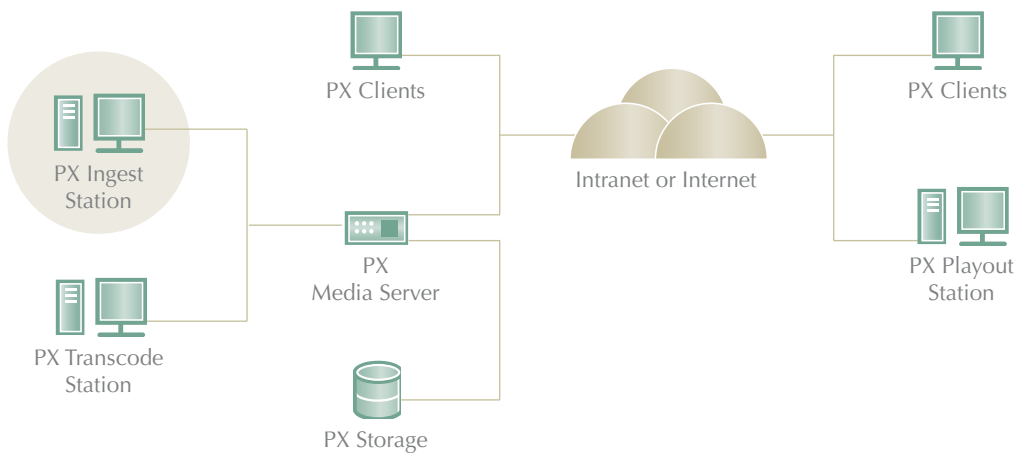
<sup>1</sup> Supported at specific GOP sizes and structures

## PX Scheduled Ingest Station

DV IEEE 1394 Model	One Video Channel	Two Video Channels	Three Video Channels
<b>Video</b>			
SD (DV/DVCam/DVCPPro)			
Connector(s)	1 x 6-pin FireWire 400	2 x 6-pin FireWire 400	3 x 6-pin FireWire 400
<b>Compression</b>			
Format and Stream Type	DV Blue Book	DV Blue Book	DV Blue Book
Bit Rate	25 Mbps	25 Mbps	25 Mbps
<b>Audio</b>			
Sample Rate, Word Count	32 kHz, 44.1 kHz, 48 kHz; 16 bit	32 kHz, 44.1 kHz, 48 kHz; 16 bit	32 kHz, 44.1 kHz, 48 kHz; 16 bit
Channels (locked/unlocked)	2 channels	4 channels	6 channels

## 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 Ingest Station, you can expand your media asset management system to include transcode 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.



## 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.

## PX Expansion Options

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

### PX Transcode Station

With the PX Transcode Station, you can encode, transcode, or convert video formats and broadcast standards quickly and easily. Support for numerous video codecs is included.

### 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.



## PX INGEST STATION

### Technical Specifications

Editions	PX Scheduled Ingest Station	PX Automated Ingest Station
<b>Models</b>		
Configurations	MPEG-2 Composite	MPEG-2 Composite
	MPEG-2 SDI	MPEG-2 SDI
	DV IEEE 1394	—
Video Channel Configurations	One video channel	One video channel
	Two video channels	Two video channels
	Three video channels (DV IEEE 1394 model only)	
<b>Software</b>		
Capture	PX Scheduled Ingest	PX Automated Ingest
Operating System	Windows XP Pro	SUSE Linux 10.1
<b>Hardware</b>		
Encoding and Decoding		
Codec Card (MPEG-2 models only)	Focus MMC Media Codec Card	Focus MMC Media Codec Card
Computer/Server		
Model	IBM ThinkCentre A55 <sup>1</sup>	IBM System x3200 Express <sup>1</sup>
Processor	1.6-GHz Intel® Pentium® Dual-Core E2140 processor	1.87-GHz Intel® Xeon™ Dual-Core 3040 processor
Memory	2GB	2GB
Hard Drives	160GB 3.5" SATA and 250GB 3.5" SATA II	160GB 3.5" SATA II
Hard Drive Speed	7,200 rpm	7,200 rpm
Controller	—	ServeRAID 8K SAS
Optical Drive	CD-RW/DVD-ROM Combo	CD-RW/DVD-ROM Combo
Connectivity	Gigabit Ethernet	Integrated Gigabit Ethernet
Power Supply	280W; 120V AC	400W; 120V AC
Form Factor	Tower; black	Tower; black
Rack Mount Kit (optional)	Space required: 4U	Space required: 5U
Dimensions	16.14" high by 6.9" wide by 16.7" deep	17.25" high by 8.5" wide by 21.25" deep
Weight	22 pounds	45.8 pounds
External SATA RAID-5 Storage (Optional)		
Capacity Options <sup>2</sup>	—	4TB, 9TB, or 12TB

<sup>1</sup> Keyboard and mouse included; monitor not included

<sup>2</sup> Capacity options can be combined to reach the storage capacity that your business requires

#### 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 Schwentinal  
Germany  
P +49 4307 8358 0  
F +49 4307 8358 99  
E emea@focusinfo.com

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### 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.