



PX-1 Archive Management Server

Applications

- Broadcast
- Digital Media Archiving
- Education and Distance Learning
- Postproduction
- Research and Development
- Video Production

Featured PX Customers

- ACORD
- Arizona State University (Biodesign Institute)
- Giessen PEG Channel
- Hanoi Music Conservatory
- Vattikuti Urology Institute (Henry Ford Hospital)
- IQ Digital
- Kassel PEG Channel
- Magdeburg Police Station
- Muenster PEG Channel
- NY Academy of Sciences
- Offenbach PEG Channel
- Old Dominion University
- Oulu University, Kajaani
- Phoenix International School of Law
- Polymedia
- SAV Production
- Tralee University
- University of Freiburg
- University of Kiel

A fully turnkey solution that streamlines acquisition and complements your NLE system, the PX-1 Archive Management Server from Focus Enhancements makes media asset management simple and cost-effective. Combining professional-grade server hardware with robust media management software, the PX-1 is easy to integrate into your workflow and gives you the performance you need for a price you can afford—right out of the box.

PX-1 Archive Management Server

Designed for fast performance, the PX-1 Archive Management Server uses rich metadata to make it easy to find and retrieve media assets quickly—during any stage of the production process. Low-resolution proxy video clips of your SD, HD, HDV, DV, and MPEG footage allow for quick preview, protect high-resolution media assets, and save network bandwidth.



- 1 Access assets through an intuitive browser-based interface with user-friendly navigation.
- 2 Manage multiple projects with unique and secure access rights.
- 3 View proxy files in the integrated player.
- 4 Search easily using timecode-based metadata.

Browser-Based Interface

Whether you're reviewing dailies, working in your NLE system, or viewing finished projects, the PX-1 browser-based interface provides immediate access to audio, video, images, and text-based data from any location—all you need is a computer or a mobile device and a broadband Internet connection. Team members can collaborate on projects, even when individuals are in different offices, cities, or countries. Access rights can be assigned by user, workgroup, and project, ensuring that your assets always remain secure.

Plug and Play

Crafted from the ground up to be a plug-and-play solution, the PX-1 Archive Management Server can be integrated into your production workflow with ease—no IT expertise is required. The PX-1 comes with everything you need, including a setup utility that enables you to be up and running in minutes.

Import



Figure 1: Focus Capture Suite



Figure 2: Focus Media Import



Figure 3: P2 MXF Import

Capture, Tag, Organize, and Archive Media with Ease

Focus Capture Suite

The PX-1 includes Focus Capture Suite (Figure 1), which enables you to capture, integrate, and archive video during production from either a local or a remote client computer. Supporting up to two channels of video simultaneously—each with its own set of controls—Focus Capture Suite enables you to assign metadata, save clips to projects, and automate ingest by creating a capture schedule. In addition to video, the PX-1 stores files such as images and documents, providing easy access to all production-related files.

Focus Media Import for P2 MXF Files

From your client computer, Focus Media Import (Figure 2) makes it easy to import, manage, organize, and upload MXF-based content to the PX-1 (Figure 3)—all while preserving the native Panasonic P2 MXF metadata structure. Import individual media files or entire folders containing media files—complete with video clips, audio clips, thumbnails, timecode, and metadata—and maintain the hierarchy that you’ve already established. You can upload MXF-based content to a user-defined folder or project and the PX-1 Watchfolder will monitor incoming files, so you know whenever new footage is added. Focus Media Import also enables you to import video files directly from the FS-100 to the PX-1 with ease.

File Formats

The PX-1 supports a wide range of high- and standard-definition video formats and file types, providing the flexibility that your production requirements demand.

Format	Bit Rate	File Type	Resolution
High-Definition Video ¹			
MPEG -2	10–50 Mbps	Program Stream; Transport Stream; Elementary Stream; MP@LL, MP@ML, MP@H14, 422@ML	Up to 1080i All 18 ATSC formats
HDV	19/25 Mbps	.m2t	720p; 1080i
DVCPRO HD	100 Mbps	P2 MXF	720p; 1080i
Standard-Definition Video			
DV and DVCAM	25 Mbps	AVI Type 1; AVI Type 2; RAW	720 x 480/576
DVCPRO, DVCPRO 50	25/50 Mbps	P2 MXF	720 x 480/576
MPEG-1, MPEG-2	1–50 Mbps	Program Stream; Transport Stream; Elementary Stream; MP@LL, MP@ML, MP@H14, 422@ML	720 x 480/576
Audio			
MPEG Audio Layer 1–2	32 kHz–48 kHz	—	—
MPEG-2	32 kHz–48 kHz	—	—
Graphics			
BMP, PNG, JPEG, GIF	—	—	—

¹ Formats soon to be supported: Sony HDCAM, MPEG-4 Part 10/H.264-AVC, JPEG-2000, and QuickTime

Camera and Custom-Defined Metadata

The PX-1 displays the metadata that your camera provides and allows you to add numerous custom fields. With its rich timecode-based metadata, the PX-1 enables you to categorize, track, search, and find clips—with amazing speed.

Projects and Containers

The PX-1 uses projects and containers to organize and store media and related files. When you import media, you can either create a new project or assign it to an existing project. Projects can also have subfolders, allowing you to organize files within a project. Media can be assigned to projects based on metadata. As a result, the same video clips can be shared by multiple projects for efficient storage.

Retrieve Content Instantly

Search

With the PX-1 and its rich metadata capabilities, you'll no longer have to thumb through tapes and DVDs on your shelves, go through folders on your hard disks, or fast-forward through hours of footage trying to find the exact clip that you need. Simply enter your search criteria (Figure 4), and the PX-1 will display the clips that meet your requirements (Figure 5). It's that easy.

Preview

The PX-1 protects your footage and conserves network bandwidth by generating low-resolution proxy video clips for preview. Previewing clips is extremely fast—including HD video—making it easy to review and retrieve footage.

Protect Your Assets

To keep your media assets secure, PX-1 enables you to assign access rights to projects by workgroup or individual user, ensuring that you maintain complete control over who can access your footage and files.

Store Media Online or Offline

The PX-1 Archive Management Server includes 1TB, 2TB, or 4TB of internal RAID 5 storage and provides quick access to your digital media files over a network. If you need offline storage, the optional LT03 tape drive makes it easy to store your media assets on cartridges.

Search



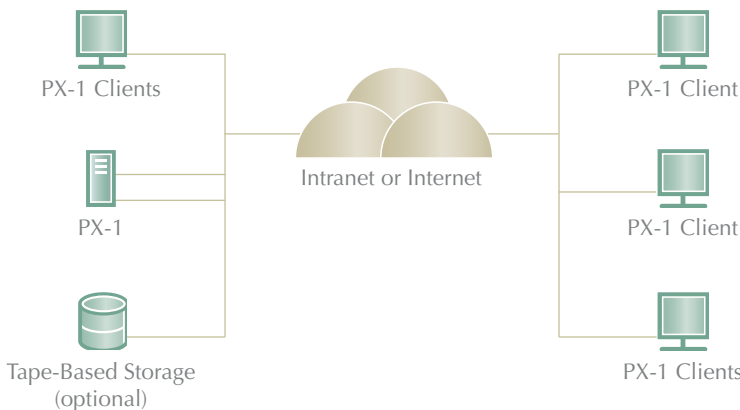
Figure 4: Search Content



Figure 5: Search Results



Figure 6: P2 Metadata Management





PX-1

Technical Specifications

Support

When you purchase the PX-1 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 Ralsdorf
 Germany
 P +49 4307 8358 0
 F +49 4307 8358 99
 E emea@focusinfo.com

PX-1 Archive Management Server	
Software	
Server Software	
Media Asset Management	PX Production Media Server Edition 1.0
Operating System	Open SUSE Linux 10.1
Database	IBM DB2
Client Software	
Ingest	Focus Capture Suite
MXF Import	Focus Media Import
Browser (user supplied)	Windows: Internet Explorer, Mozilla, Firefox Mac OS: Safari, Mozilla, Firefox
Hardware	
IBM System x3400	
Processor	1.6-GHz Intel® Xeon™ Dual Core 5110 processor
Bus Speed	1066-MHz front-side bus
Cache	2 x 2MB L2
Memory	2GB fully buffered DIMM, 667 MHz
Memory Slots	8 DIMM
Hard Drives (internal storage)	1TB (4 x 250GB SATA II), 2TB (8 x 250GB SATA II), or 4TB (8 x 500GB SATA II)
Hard Drive Speed	7,200 rpm
Disk Bays (total/hot-swap)	8/8
Controller	Dual-channel Ultra320 SCSI integrated RAID controller supporting RAID level 5
Networking	2 x Broadcom NetXtreme 5721 Gigabit Ethernet 10/100/1000 Mbps Embedded
Power Supply	670W 1/1 hot-swap redundant power supply; Calibrated Vectored Cooling
Form Factor	Tower; black
Dimensions (h x w x d)	18.0" x 7.0" x 27.0" (457.2mm x 177.8mm x 685.8mm)
Weight	90.0 lbs (40.823 kg)
Optional Internal Tape-Based Storage	
IBM System Storage 400/800GB LT03 SCSI Tape Drive	
Storage Capacity per Cartridge (maximum)	400GB (native)
Tape Drive/Medium	IBM LTO; Ultrium 3
Number of Drives	1
Data Transfer Rate	22 Mbps
Mail Slots	1
Form Factor	Stand-alone

©2008. Focus Enhancements, Inc. Specifications are subject to change. All brand and product names are trademarks of their respective companies. 3/08 MANL-1092-03