

PX-1



PX-1 Production Media Server

A fully turnkey solution, the PX-1 Production Media 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 gives you the performance you need for a price you can afford right out of the box.

PX-1 Production Media Server

Designed for fast performance, the PX-1 Production Media Server uses rich metadata to make it easy to find and retrieve media assets quickly. 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.

The browser-based interface provides immediate access to audio, video, images, and text-based data from any location. Additional features include online and offline usage, multi-client support, access rights management, and NLE format compatibility via the FireStore DV Conversion Suite.

Applications

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



- 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.



Import



Figure 1: Focus Capture Suite



Figure 2: Focus Media Import

Featured Customers Using Focus Media Server Solutions

- 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

Importing, Tagging, and Organising Media

Focus Capture Suite

The PX-1 includes Focus Capture Suite, which enables you to 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. Although the PX-1 preview function is designed for video, other files such as images and documents can also be stored on the PX-1, enabling you to store all related files in one system.

Focus Media Import

Focus Media Import makes it easy to import, manage, organise, and upload MXF-based content to the PX-1—all while preserving the Panasonic P2 MXF metadata structure. MXF-based content can be uploaded to a user-defined folder or project and the PX-1 will watch for incoming files, ensuring you know whenever footage is added. If you use the Focus FS-100, Focus Media Import enables you to seamlessly transfer video files from your FS-100 to the PX-1.

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
DVCPROHD	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, DVCPRO50	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 metadata capabilities, the PX-1 enables you to categorize, track, search, and find clips—with amazing speed.

Projects

ProxSys uses projects 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.

Searching and Previewing Clips

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 2), and the PX-1 will display the clips that meet your requirements (Figure 3). It's that simple. Search results are displayed in containers.

Preview

The PX-1 protects your footage and conserves network bandwidth by generating low-resolution proxy video clips for preview.

Protecting 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.

Storage

The PX-1 Production Media Server includes 1TB or 2 TB (model dependent) of internal storage and provides quick access to your digital media files over a network. If you need offline storage, the internal tape drive makes it easy to store your media assets on cartridges.

Search



Figure 3: Search Content

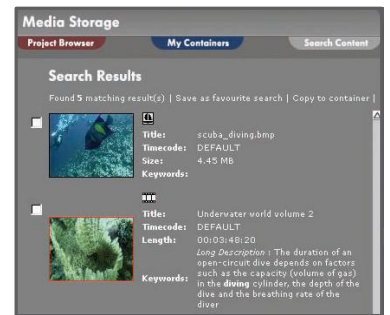
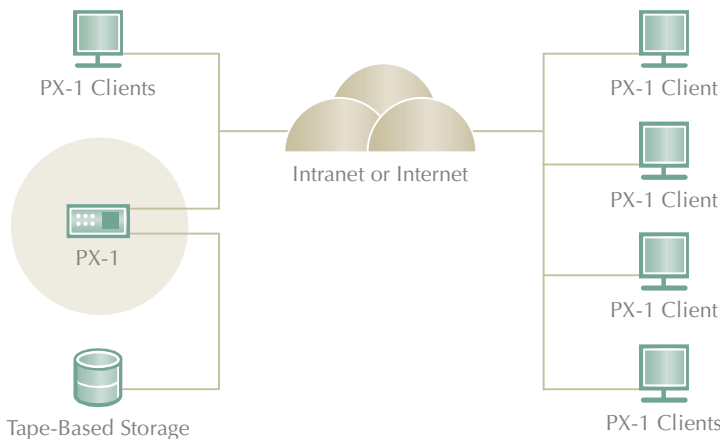


Figure 4: Search Results





PX-1

Technical Specifications

PX-1 Production Media Server	
Software	
Server Software	
Media Asset Management	ProxSys Media Server Production Edition 5.0
Operating System	Open SUSE Linux 10.1
Database	IBM DB2
Utilities	ProxSys Multimedia Tools; Direct File Server; FTP Server; Web Configuration and Service Tool
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	2.0-GHz Intel® Xeon Dual Core 5130 processor
Bus Speed	1333-MHz FSB
Cache	2 x 2MB L2
Memory (standard/maximum)	2GB fully buffered DIMM 667 MHz
Memory Slots	8 DIMM
Hard Drives	1TB (4 x 250GB SATA II) or 2TB (4 x 500GB SATA II) Model dependent
Hard Drive Speed	7,200 rpm
Disk Bays (total/hot-swap)	8/8
Controller	Dual-channel Ultra320 SCSI integrated RAID controller supporting 0, 1 RAID level(s)
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 (height x width x depth)	18.0" x 7.0" x 27.0" (457.2mm x 177.8mm x 685.8mm)
Weight	90.0 pounds (40.823 kg)
Internal Tape Drive Storage	
IBM System Storage 400GB LT03 SCSI Tape Drive	
Storage Capacity per Cartridge (maximum)	800GB (compressed); 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

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.



Quadrant Digital Solutions
Unit 1 Hawthorn Road
Castle Donington
Derby
DE74 2QR
Sales: 0870 084 1166
Fax: 01332 817778
information@quadrantdigital.co.uk

©2007. Focus Enhancements, Inc. Specifications are subject to change. All brand and product names are trademarks of their respective companies. MANL-1092-01