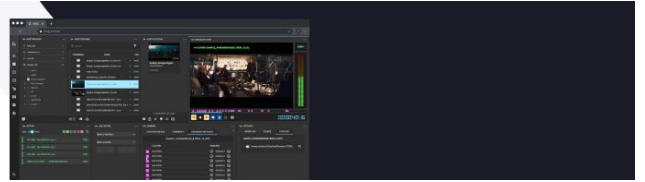# 4PRO mPAM

4PRO mPAM

Simplify and Accelerate your Entire Media Production Workflow.

Benefit from a state-of-the-art content and production asset manager tool with 4PRO mPAM. Streamline daily operations and empower your creative teams with the right tools to find, manage, track, enhance and deliver media files throughout the entire production ecosystem from a single interface.

4PRO mPAM easily integrates with existing or new workflows, thanks to its scalable architecture, and ease of use.
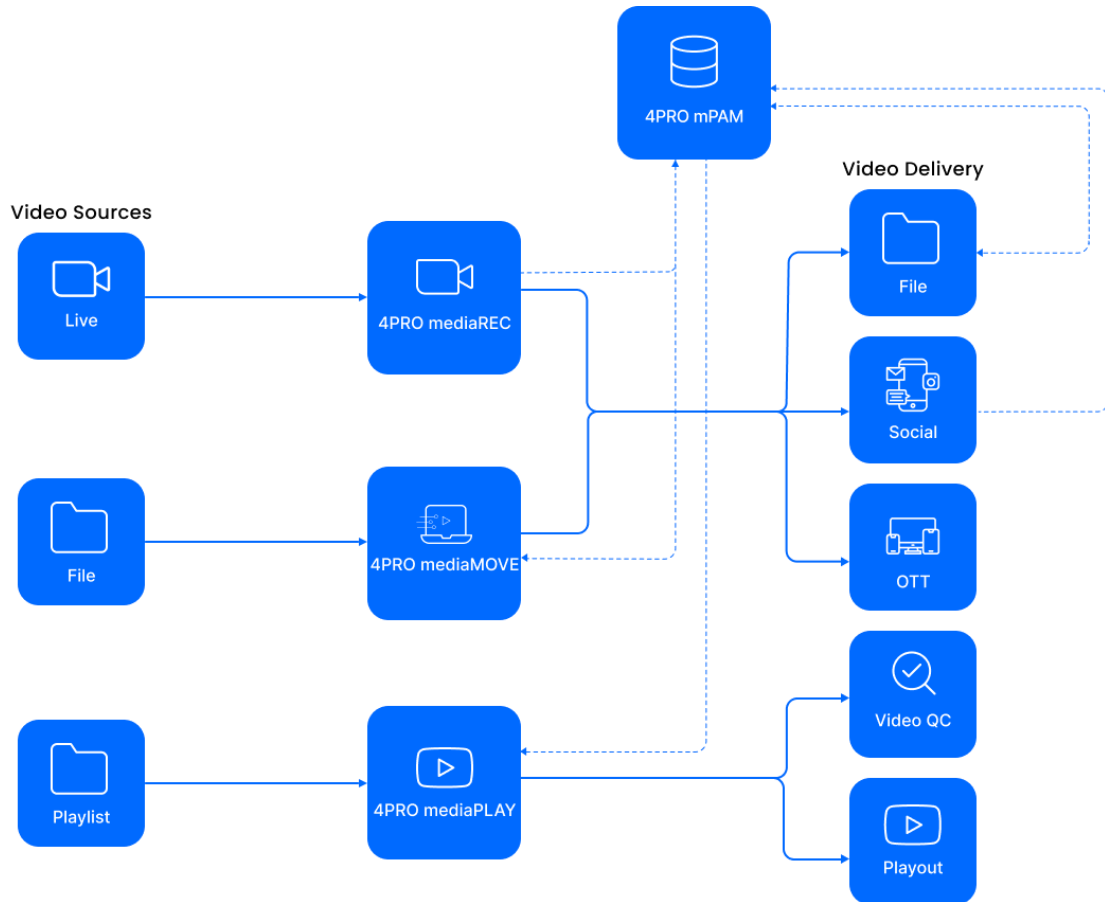
Highlights

- Instant play, anytime and anywhere of any asset (with or without proxy)
- User abstraction for in/out assets
- Find immediately and learn everything about any asset
- Automatic Jobs: watch folder and collection flows
- Multiformat for record, ingest, transcode, and rewrap
- Flexible metadata management
- Interactive approval workflows
- User profile and permissions management
- Advanced search with combined filters

- Proxy generation
- Custom metadata & Asset availability
- Asset check-in and check-out
- Enable on-the-fly tagging
- Dynamic Jobs with custom metadata flag
- Flexible and configurable user interface
- Disk to disk storage manager
- Rich logging workflows

Specially Designed For

- Educational/Government
- Live Entertainment/Worship
- Corporate
- Sports
- Film/TV Studio/Scripted
- Digital News

- Mobile Studios/OB Vans
- Digitalization
- Archiving
- Television/Broadcasting
- OTT & Streaming
- System Integrators/Rentals

Features

Features
Multi-Configuration metadata management and enrichment
An efficient internal asset management
Quickly search for assets metadata
Directly manage your assets metadata
Create custom metadata fields
Add a "Rating" metadata field
Find immediately and learn everything about any asset
Show or hide proxies on Asset Browser
Sort, order and search for files on Asset Browser
Asset Explorer - Resizable thumbnails
Asset Explorer - Support asset availability
Search for all assets on Asset Explorer
Extract thumbnails and posters while indexing on Asset Explorer
Asset Explorer - Playable thumbnails
Preview media with interactive Pop-up Players
Asset Explorer - View the exact duration of files with more than 24 hours
Asset Selection -View the total duration of the selected assets
Configure the asset's preview duration
Asset Selection - Add Numeric Input
Scheduler (Calendar View)
Schedule Gang Captures
Schedule Playouts
Schedule Maintenance Tasks (Reboot, Export Logs, Export Full Backup)
Edit individual events
Export activity events
Allow editing of settings for each occurrence/repetition
Placeholder when editing an occurrence name
Use pre-set naming templates
Scheduler (Record Grid) - Unifies in a single rollout view all ingest activities *Optional
Schedule Gang Captures
Create new scheduled events directly from the timeline
Perform crash record captures directly from the grid view
Metadata Insertion availability
Use of pre-set naming templates
Edit scheduler individual events
Edit an event after it has started
Edit settings for each occurrence/repetition
Trigger Capture events (Any day, On Working Days or only on Weekends)
Adjust events by dragging them on the timeline
Check collision between events with repetitions
On channel settings assign an Input a workflow a router source and a duration and start recording on the fly
Change router source cross point from record scheduler during a live event
Change router source on rollout
Copy an event's name after it is complete
Perform captures from a MOG S1000
Selectable MOG S1000 capture profiles
Perform captures from an Airspeed 5000
Perform captures from a Softron Movie Recorder
Pre-roll and post-roll options for scheduled events
Configure the number of events repetitions
Define events to be triggered on any day, working days or weekends only
Set the Calendar Notion option to automatically adjust to daylight time
Expandable and collapsible views
Jump to date to seek events by day or in a 7 days period
Choose between AVID or MOG color schemes
Confirm a "Stop" action
File ingest
Support for spanned clips
PAM - Production Asset Management
Advanced text search

Features
Asset browser permissions
Asset collections
Asset essences
Asset essences for generic sources
Asset comments
Enable on-the-fly tagging
Flexible metadata management
Dynamic Automatic Jobs - Age value for CreationDate (Available for Copy, Move, Archive Workflows)
Display of Essences File Paths
Check-in via detector
Check-in via metadata update
Check-in via workflow
Interactive approval workflows
MOG player proxy
Optional Proxy creation
Manual Proxy creation
Move option in asset collections
Collections as input in automatic jobs
Private and shared asset collections
Show the creator of the collection
Statistics for collections
Save searches and filters
Rich logging workflows
User abstraction for in/out assets
Instant play, anytime and anywhere of any asset (with or without proxy)
Disk-to-Disk Storage Manager (Archive and Restore)

Additional AI Operations *Optional

- Face recognition 2.0
- Face recognition - Support dataset with multiple images for each person
- Age prediction detection
- Object detection 2.0
- Optical Character Recognition (OCR)
- Speech recognition 2.0 (with ability to detect non speech tokens)

mTALK *Optional

- Communicate via audio between two or more users
- QR code implementation
- WebApp (requires Android smartphone)
- Toggle Mode

Analytics

- Integrate with Google Analytics and Tag Manager
- Enable or disable Analytics
- Keep track of menu events
- Receive video metrics
- Keep track of Job Control widget's events
- Keep track of Asset Explorer widget's events

Improved security

- Support for Windows UAC
- Support for HTTP/HTTPS Ingress
- HTTPS (Hypertext Transfer Protocol Secure) for REST API
- Secure login
- User Impersonation
- Token based authentication
- Two-factor authentication
- Remote services, system restart, and settings recovery features
- Opt to "Keep me signed in"
- Send a User Verification through email
- Configurable password visibility in logs

Orchestration

- Orchestration View for output workflows
- Services Menu that eases Group and Cluser Configurarion while displaying running servicers per node

Transfer acceleration protocols

- FileCatalyst direct - Transfer acceleration protocol

Features

Additional Highlights

REST API - allows interaction with RESTful web services

Notify user upon connection lost with the Server

Manage via web interface or REST APIs for integration with automation system

Configurable quality and target latency of the preview stream

Logging - Human readable information on Services logs

Logging - Add user information on flow actions

Logging - Structured Logging

Receive SMTP notifications via e-mail

Microsoft Edge / Firefox / Safari and Chrome Support

Unified Interface User Experience

Configurable web interface access port

Embeddable Dashboards/Widgets

Web-Based Interface with video preview

Dashboards based experience where users can create their own personalized view

Dashboards presets for ease-of-use deployment

Create your own custom dashboard templates

Import and Export Users' Dashboards

Associate a single dashboard to multiple users

LDAP user authentication

User profile management

Users permissions control

Widget based modular interface

Lock/Unlock widgets permission

Choose between multiple interface themes (Midnight, Carbon, Dark or High contrast theme)

Touch screen mode

Monitoring - Advanced metrics

Multi Language Support

User tour

Show/Hide player overlays

Notifications of required actions needed to resume a workflow

Maintenance

Scheduler

Reboot host or group

Export database (backup) as a scheduled task

Export logs as a scheduled task

Activity

Export last activity

Export all activity

Export activity from a date range

Clear all activity

Logs

Export logs

Backup

Export full backup - A full backup will create an archive of all the files and configurations

Import full backup

Dashboards

Export dashboards from one user or all users

Import dashboards

Data

Clean data usage

Clean assets, flows and notifications

Perform a Factory Data Reset

Erase all data and reset the system

Force clear cache

Technical Specifications

Supported File Inputs

Inputs	
OnPrem	ARRI ALEXA Cameras
	BlackMagic Cameras
	Avid Files
	CANON DSLR 5D, 7D, C300, C100
	GoPro Cards
	IKEGAMI GFPAK
	JVC (AVC HD models)
	NextoDI NSB-25
	Panasonic AU-EVA1 and GH5 Cameras
	XDCAM EX:
	Sony SxS (SBAC-UT100, SBAC-US10/20/30)
	Sony XQD (MRW E-80, MRW E-90)
	Network
	XDCAM Network
	P2 Network
	ARRI RAW Network
	Ikegami Network
	Storage
	Avid ISIS / Nexis
	Avid Unity™ MediaNetwork
	DDP – Dynamic Drive Pool
	Facilis TerraBlock
	Harmonic MediaGrid
	Editshare EFS
	NAS / SAS (SMB 2.0 and 3.0)
	Quantum StorNext
	ScaleLogic NX2 & ZX NAS Storage
	EMC Isilon
	QNAP
	Studio Network Solutions EVO
	Oracle Storage
	Netapp
Cloud	**Social Media**
	Facebook
	X (Twitter)
	Vimeo
	YouTube

Supported File Outputs

Outputs	
OnPrem	NAS / SAS (SMB 2.0 and 3.0)

Product Integrations

Storage	MAM / PAM / DAM	Cameras	Card Readers
AVID ISIS Storage	AVID Interplay	Canon (DSLR5D, DSLR 7D)	Panasonic P2 (AJ PCD 2 / AJ PCD 20/30/35)
AVID Nexis Storage	**Consumer Cloud Storages**	Canon (DSLR C300, DSLR C100)	Panasonic P2 (AJ MPD1)
Avid UnityTM MediaNetwork	Dropbox	ARRI Alexa XT (ARRIRAW)	Panasonic P2 (AU-XPD1E / AU-XPD3EJ)
Dynamic Drive Pool SAN Storage	Google Drive	Panasonic AU-EVA1	Panasonic P2 (AG HPG 20)
Facilis Terrablock	Microsoft One Drive	Panasonic GH5 Cameras	Sony XDCAM EX (SxS Cards): SBAC-US10/20/30
Harmonic MediaGrid	Apple I Cloud Drive	Panasonic CX350 HEVC	Sony XDCAM EX (SxS Cards): SBAC-UT100
Quantum: Storenext	**Hypervisers**	Ikegami Gfpack	Sony XDCAM EX (SxS Cards): MRW E-80
Scalelogic: NX2 & ZX NAS Storage	Microsoft HyperV	JVC AVC HD camera models	Sony XDCAM EX (SxS Cards): MRW E-90
Editshare EFS	VMWare ESX	LUMIX DC-S1H	Sony Disc Reader: PDW-U1, PDW-U2
EMC: Isilon	**Transfer Acceleration Protocols**	RED Digital Cinema	**Social Media**
QNAP	File Catalyst Direct	GOPRO	Facebook
Studio Network Solutions: EVO	IBM: Aspera File Transfer	**VTR Decks**	Twitch
Oracle Storage	**Structures**	XDCAM HD: Disc (PDW 1500)	X (Twitter)
Netapp	XAVC Structures	XDCAM HD: Disc (PDW HD1500)	YouTube
Archive		XDCAM HD: Disc (PDW F70)	
Archiware P5		XDCAM Station (XDS1000)	

Minimum Hardware Requirements

Component	4PRO mediaPAM
CPU	i9-12900 or above
	2x Intel Xeon Silver 4314 or above
	2x Intel Xeon Gold 6342 or above
RAM	4x 8GB
OS Drive	240GB SSD
Network	2x 1Gb Ethernet Port
Operating System	Windows server 2022 or above
Compatible SDI Board	DeckLink Quad HDMI Recorder, DeckLink Quad 2, DeckLink Mini Recorder, DeckLink 8K Pro, DeckLink Duo 2, DeckLink SDI Micro, DeckLink 4K Extreme 12G, DeckLink Duo 2 Mini, DeckLink Micro Recorder, DeckLink SDI 4K and DeckLink Mini Recorder 4K
Compatible Graphic Cards	NVIDIA RTX A4000 or similar

Product

Model	Part Number	Product	Description
Yearly fee	4pmpac1y	4PRO mPAM	Content and production asset manager
Monthly fee	4pmpac1m	4PRO mPAM	Content and production asset manager

Available Options

According to the concept of MAM4PRO's building blocks, you can choose from among the products below to work seamlessly with 4PRO mPAM.

Media Operations

Benefit from a powerful set of media operations designed to solve your most pressing workflow challenges.

4PRO mediaREC

Powerful and flexible multi-format SDI/IP recording system. 4PRO mediaREC is a video recorder micro-service software with full support for recording 4K UHD and HDR live video channels in different file formats for an enterprise farm.

4PRO mediaPLAY

Benefit from Outstanding IP/SDI monitoring and playout. 4PRO mediaPLAY is a software micro-service that provides you an agnostic real-time playback system to ensure a straightforward quality control process and allows the user to playback and review a wide range of file-based content with broadcast quality in 4K, UHD, FHD, and NDI for an enterprise farm.

4PRO mediaMOVE

Professional multi-format, real-time transcoder service. 4PRO mediaMOVE is a software micro-service that can automatically ingest and transcode a wide range of 8K, 4K, UHD, FHD and NDI formats and codecs for an enterprise farm.
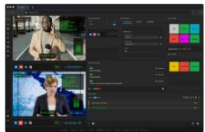
4PRO mTALK

A stand-alone software micro-service that allows communication between all users who are associated in the same instance without the need for integration with third-party tools.

4PRO mSWITCH

A software micro-service that virtualizes the switcher and multi-camera control, giving your live and studio production the professional touch you need while being simple to use. With support for a wide range of camera inputs, the same platform covers all the stages of your production and distribution ecosystem without requiring dedicated hardware.

Model	Part Number	Product
Yearly fee	4pmoac1y	4PRO mediaREC
		4PRO mediaPLAY
		4PRO mediaMOVE
		4PRO mTALK
		4PRO mSWITCH
Monthly fee	4pmoac1m	4PRO mediaREC
		4PRO mediaPLAY
		4PRO mediaMOVE
		4PRO mTALK
		4PRO mSWITCH

Production Tools

Tool for workflow orchestration.
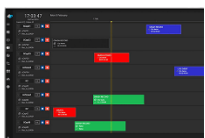
4PRO mPLAN

Setup scheduled events not only from the standard scheduler but through a unique roll out view interface. 4PRO mPLAN is a tool that maintains a single rollout view of all scheduled events, allowing the management of the ingests process very efficiently. It manages multiple scheduled events across a variety of recording platforms in a multichannel environment using router control cross-points.

Model	Part Number	Product
Yearly fee	4pmnac1y	4PRO mPLAN
Monthly fee	4pmnac1m	4PRO mPLAN

Add-ons

Output options to complement your workflows.

Model	Part Number	Product	Description
Yearly fee	4pooac1y	Proxy generation	Simultaneous proxy creation
		OTT live ingest	Multiple output resolutions for OTT
		Social media sharing	Simultaneous social media shares
Monthly fee	4pooac1m	Proxy generation	Simultaneous proxy creation
		OTT live ingest	Multiple output resolutions for OTT
		Social media sharing	Simultaneous social media shares

Plugins

Complement any media production and distribution workflow with turnkey plugins and extensions.

Social-m

Quickly fetch and publish your live or VoD contents to social media.

This social media plugin for Chrome will let users ingest media without having to access the 4PRO mPAM GUI, allowing the content to be ready for editing or any other task, in no time. Simply open the plugin, insert the URL and run the workflow to fetch your video, with option to preserve metadata.

Screen-m

Quickly capture and deliver your screen contents to your production environment.

Easily record your screen in its entirety or choose one of the open windows. You can even enable the capture of a microphone and the mouse cursor to make it easier to explain any presentation.

Model	Part Number	Product
Yearly fee	4ppiac1y	Social-m
		Screen-m
Monthly fee	4ppiac1m	Social-m
		Screen-m

Artificial Intelligence

Artificial intelligence engine to boost and facilitate media tasks even more.

Default (already included)	
Black frames detection	Voice activity detection
Video freeze detection	Silence detection
Black margins detection	Loudness detection
Audio clipping detection	Loudness balance
Audio mute detection	Vehicle detection
Audio phase detection	License plate detection
Audio mono detection	Concept tagger
Timecode gap detection	Bouncing boxes
Scene change detection	Update existing interplay entry with new metadata
Transformation	
Frame rate conversion	Crop black margins
Remove audio clicks	AI upscale
Remove audio clipping	Blur license plates

Model	Part Number	Product
Yearly fee	4paifr1y	Face Recognition and Age Prediction
	4paiod1y	Object Detection
	4paicr1y	Optical Character Recognition
	4paisr1y	Speech Recognition
Monthly fee	4paifr1m	Face Recognition and Age Prediction
	4paiod1m	Object Detection
	4paicr1m	Optical Character Recognition
	4paisr1m	Speech Recognition

Contact our sales team at sales@mog-technologies.com to find out how to purchase or in case you need more information.