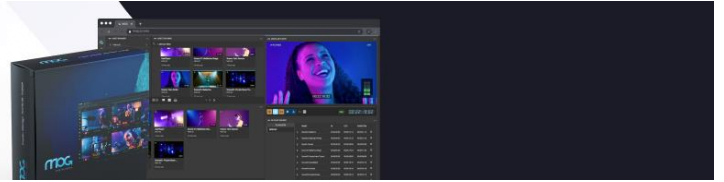
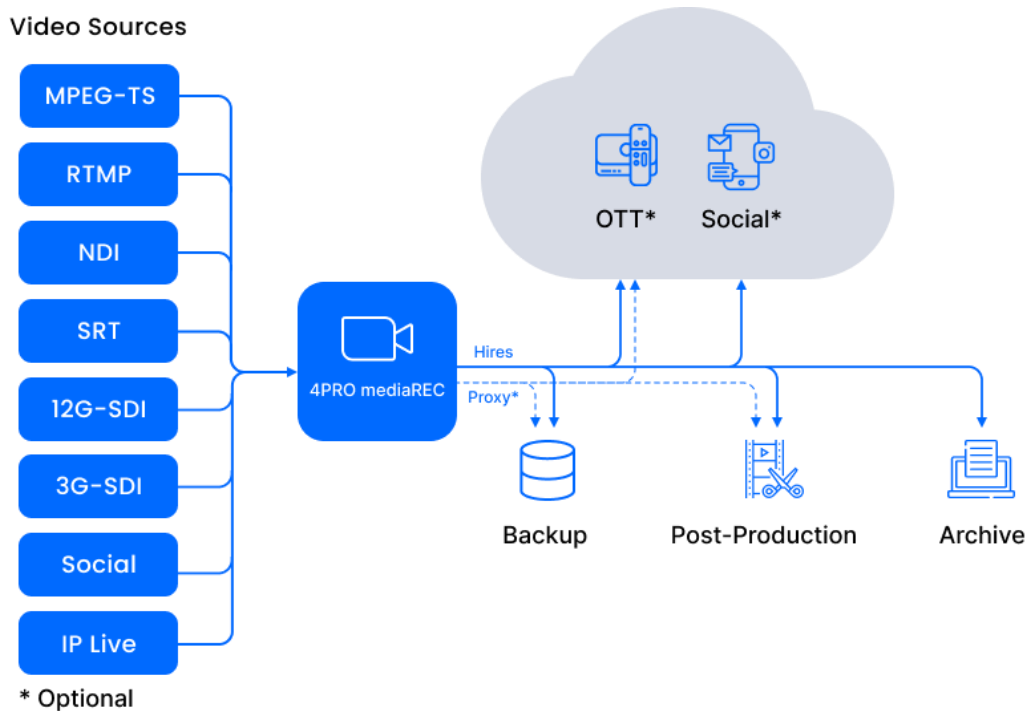


4PRO mediaREC



Overview

Powerful and flexible multi-format 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.



Highlights

- Baseband Ingest: Multi-camera record, Loop record, Crash record, Schedule record, and Batch record
- Gateway for multiple destinations of any storage, NAS, or SAN
- Full-featured local and remote user interface
- Multi-configuration metadata management
- Burnt-in options: text, timecode, overlays (images and videos), and LUT
- Enable edit while ingest
- Option for simultaneous proxy generation
- Optional integration with social media
- Optional integration with OTT
- Flexible file naming engine

Specially Designed For

- Educational/Government
- Live Entertainment/Worship
- Corporate
- Sports
- Film/TV Studio/Scripted
- Mobile Studios/OB Vans
- Digitalization
- Post-Production
- Broadcast/Digital News
- System Integrators/Rentals

Features

Features
Timecode support
LTC (SMPTE 12M)
VITC (SMPTE RP188)
Time of Day
Serial Control Protocols
VTR (BVW) - Serial
Multiple LIVE and simultaneous records
Crash Record operations
Gang Capture operations
Independent workflow selection in Gang Captures
Unique workflow for gang captures while using clipnaming with counters
Conceal/Hide option for unused Capture Instances
Synchronize (different) Gang Captures
Flexible Gang Capture channel configurations / Choose which channels are present in the gang
Frame Chase editing
Unlimited capture duration support
Loop record support
Extend a playlist's maximum duration in a Loop Record workflow
Perform Loop record captures through automatic jobs
Growing files support
Growing file support for Grass valley Edius Workgroup v.9 and X
Growing XDCAM MXF OP1a file support on Avid Media Composer *required Nablet AMA Plugin
Automatic Stream Control - Detect input streams and start recording automatically
Continuous recording support
Recording timer for captures
Abort or force stop a capture or a stream
Frame rate conversion option on Capture workflows
High Dynamic Range (HDR) support - HLG (arib std-b67) / PQ (SMPTE 2084)
High Frame Rate (HFR) up to 120fps (ST2081-10, ST2081-11, ST2082-10, ST2082-11 and ST2082-30)
Generate MP4 files as Fragmented MP4 via DCP Packager
Add XML sidecars with WAV file as output while recording
Perform "Run after completion" scripts
Remove source assets after Job completion for all plain sources
Live Probing option
Stream with Closed Captions
Edit a Workflow directly from the Player
Input selection made directly from a dropdown list on the player
Option to start timecode recording from 00:00:00:00
Export in "MOG playlist" format (.XML Sidecar containing information about the chunks of the recorded media)
Batch record support
Deck control through Serial Ports
Pre-roll and post-roll options
LiveU NewsML batch capture
LiveU NewsML metadata import
LiveU NewsML - support XML from devices (Live U, Android and iPhone)
LiveU include subfolder browse
Contribution Web Video Player - Aspect marker, Safe Area Marker, and Center marker
Player Overlay - Center Dot and Cross
Support for Active Format Description (AFD)
Medialoopster Integration in Capture operations
Medialoopster Integration in Batch Capture operations
Video Router Protocols
Quartz
Probel SW-P-08
Jupiter ASCII
Blackmagic Videohub Ethernet Protocol
Operation modes
Automatic
Manual
Scheduled

Features

Clipnaming

- Clipnaming based on Metadata Profiles
- Field numeric representation of the day of the week
- Drag and Drop support
- Restore auto numbering on capture abort in naming templates
- "CreationDate" field can refer to a desired Time Zone
- Add the label "_p" to proxy clips' names

Multi-Configuration metadata management and enrichment

- Directly manage your assets metadata
- Generate metadata directly through capture operations
- Prevent the overwrite of metadata fields
- Protect metadata fields
- Delete custom metadata
- Edit group clips metadata
- Edit a file's source metadata based on a configured metadata profile
- "Description" field editable in metadata widget
- Set "Description" field as a column in the Asset Explorer list view
- Forward metadata to Gang Captures
- Favorite metadata fields
- Create custom metadata fields
- Add a "Rating" metadata field
- Update the source metadata directly through the metadata widget
- Add asset tags insertion in preset list
- Re-use lists of possible values
- Update Metadata in Media Central/Interplay using AMT-3 library
- Rename media in Interplay after a capture has begun
- Take field (counter)
- Support for "Reel" metadata field using Apple ProRes Wrapper
- Read metadata from pre-configured cloud storages (Amazon S3 / Google Cloud Storage / Tencent / IBM Cloud Object Storage)

Asset management Check-in

- AVID AAF
- AVID interplay
- XML support
- XSLT transformation - XML sidecar
- Edit share flow
- Vizzi OTT check in
- Support for update on Vizzi OTT check-in

Audio support

- PCM input and output support
- Dolby E-AC-3, Dolby TrueHD, and DTS input support
- Dolby-E Input and output support
- DTS Coherent Acoustics (DCA)
- Integration with Dante Audio Capture *Negotiated separately
- Independent audio encoder for hires and proxy
- Individually map your audio by output target
- Record audio only streams
- Audio downmixing & upmixing
- External audio files support (.WAV)
- MPEG-4 Audio (M4A) audio format as output
- Capture external AES audio through Bluefish capture cards
- Ability to mute proxy on the output

Close captions

- CEA/EIA - 608
- Add sidecar - SubRip (SRT)
- Add sidecar - Fragmented WebVTT
- Add sidecar - ISMT/CMFT subtitles
- Support DVB-S captions in streams
- Support captioning for OTT (CMFT, SubRip, and WebVTT)
- Stream with Closed Captions

Locators

- Create locators with shortcut keys
- Edit the locators' description

Features

Insertion and viewing

Create and freely customize action fields

Insert comments in a marker's widget tab

Order asset locators by timecode

Establish Absolute or Relative timecode for source locators

Enter Timecode without the need of entering colons

Eject locators using the player eject button

Support for locators with AMT captures

Send locators directly to Gang Captures

Send locators instantly to Playout

Scheduler (Calendar View)

Schedule a Record operation

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

Set the number of an event's repetitions

Check for collisions between events and repetitions

Placeholder when editing an occurrence name

Enable field event name as AVID Interplay clipname by default

Use pre-set naming templates

Send the assets to independent targets and multiple outputs

Establish a maximum capture duration

Configurable number of iterations when using maximum capture duration

Use AVID Interplay clip name as event name on crash record events

Pre-roll and post-roll options for scheduled events

Define events to be triggered on any day, on working days only or only on weekends

Set the Calendar Notion option to automatically adjust to daylight time

Edit the Start Time field after the first recording

Visualize scheduled events in a List View

Perform captures from a MOG S1000

Perform captures from an Airspeed 5000

Perform captures from a Softron Movie Recorder

Scheduler (Record Grid) - Unifies in a single rollout view all ingest activities *Optional

Schedule a Record operation

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

Features

Choose between AVID or MOG color schemes

Confirm a "Stop" action

Signal error detection and related recovery actions

Detect possible signal errors

Detect possible drop frames

Support for timecode breaks

Configurable capture resume methodology

Automatic streaming (headless) - Restart capture after stopping/crashing or rebooting

Checksum media

MD5 hash file

MDL - Media hash list

Live to Live

Delete artifacts on abort

Vizzi OTT Live Output

Multiple resolutions check-in

Support Time of Day in input streams (RTMP, MPEG-TS, RTP, SRT, RTSP, HLS, LLDASH, MSS, MPEG-DASH, CMAF)

Variable Frame Rate Input

Support IGMPv3 multicast

Add possibility to change the transport stream segments duration

MPEG-TS Support

Capture of MPEG-Transport Streams

Support of MPEG-TS program IDs

NDI

NDI audio and video synchronized mechanism

NDI discovery mechanism

Capture multiple NDI sources

Time of day and embedded timecode options in NDI input

HLS

Configurable HLS segment duration

Configurable HLS Playlist segment count

RTMP

RTMP recording with absolute timecode

RTMP Push Mode in input and output

RTMP Pull Mode in input and output

Native RTMP listener capability

Multiple audio channels in RTMP Output

HEVC, VP9 and AV1 codec in enhanced RTMP/FLV

SRT

Input modes: Caller, Listener, and Rendezvous

SRT listener mode as stream output

Stream ID support

Configurable latency settings

Configurable overhead bandwidth

Configurable passphrase

WebRTC

h.264 Support

VP8 Support

VP9 Support

File ingest

Select IMF (Netflix Compliant) as the output metadata

Burn-In Video options

Graphic burn-in while recording

Text (Position, Text color, Box Color, Font Size)

Timecode (Position, Text color, Box Color, Font Size)

Overlays support (images and videos positioning)

LUT (Look-Up Table) - Save particular color grades as a template

File playback

Timecode and metadata overlaying on SDI out

Playout

Print to tape

Features

Input/output social media *Optional

- Capture to Facebook Live
- Stream to Facebook Live
- Stream to Twitch Live
- Capture to YouTube Live
- File based YouTube Upload
- Capture X (Twitter) Live
- Stream to X (Twitter) Live
- Upload to Vimeo
- Metadata social annotation and enhancement

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 Cluster Configuration while displaying running services per node

Hardware acceleration *If Hardware is installed or available

- Intel QSV
- Sony XAVC
- Panasonic AVC-Ultra
- Nvidia Nvenc

General Purpose IN/OUT

- GPI triggers supported
- GPO triggers supported

Additional Highlights

- REST API - allows interaction with RESTful web services
- Change Aspect Ratio (4:3 / 16:9 / 1.9:1 / 2:1 or use same as source)
- Active Format Description (Option to Preserve, Discard or Override)
- Protection against overwriting files
- 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
- Support an external Database
- Microsoft Edge / Firefox / Safari and Chrome Support

Unified Interface User Experience

- Configurable web interface access port
- Embeddable Dashboards/Widgets

Features

- 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
- Monitor Grouped Servers' activity in a Group Activity Widget
- Remove the "quick edit" button from the Job Control Widget
- (Set Permissions to) Activate or Deactivate Settings of a Gang Capture widget

Multiviewer

- Define the quality and target latency of the preview stream
- Ability to control to up to 4 players in a single dashboard

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

Resolutions

SD	HD	4K
PAL / PAL 16:9 / PAL Plus	HD 720p 50 / 60 / 59.94	UHD 4K 2160p 23.98 / 24 / 25 / 29.97
NTSC/ NTSC 16:9	HD 1080p 23.98 / 24 / 25 / 29.97 / 30 / 50 / 59.94 / 60	UHD 4K 2160p 30 / 47.95 / 48 / 50 / 59.94
	HD 1080i 50 / 59.94 / 60	UHD 4K 2160p 60Hz
High Frame Rate		
HD	4K	
HD 1080p 95.90 / 96 / 100	UHD 4K 2160p 95.90Hz / 96Hz / 100Hz	
HD 1080p 119.88 / 120	UHD 4K 2160p 111.98Hz / 120Hz	

Supported Live Inputs

Inputs	
Live	SDI
	SD-SDI (SMPTE 259M)
	3G-SDI (SMPTE 292M, SMPTE296M, SMPTE372M, SMPTE425M)
	12G-SDI (SMPTE ST-2081/SMPTE ST-2082, SMPTE/2108-1)
	12G-SDI (Quad-Link 3G-SDI)
	Support for 8, 10 and 12 bits
	Streams
	Video Content Hyperlinks
	HLS
	MPEG-TS
	MPEG-DASH
	RTMP (with support for HEVC / VP9 / AV1)
	RTP
	RTSP
	NewTek NDI
	UDP
	Haivision SRT
	WebRTC
	Zixi
	Audio
	Dante Audio *Negotiated separately
	Social Media
	Facebook
	Twitch
	X (Twitter)
	YouTube
	IP Live *If hardware is installed or available
ST2022-6	
ST2022-7	
ST2110-10, ST2110-20, ST2110-21, ST2110-30, ST2110-31	
ST2110-40	
ST2110 - NMOS IS-04 and IS-05 support	

Supported Live Outputs

Outputs	
Live	Vizzi
	Live Output
	Social Media *Optional
	Facebook
	Twitch
	X (Twitter)
	Vimeo
	YouTube
Multiple and Adaptive bitrates for the OTT *Optional	

Supported File Outputs

Outputs	
OnPrem	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	

Outputs

OnPrem	Netapp
	FTP Servers (List on request)
	Generic File Shares
Cloud	Consumer Cloud Storages
	Apple I Cloud Drive
	Dropbox
	Google Drive
	Microsoft One Drive
	Multiple and Adaptive bitrates for the OTT *Optional
	Professional Cloud Storages
	Adobe Creative Cloud
	Amazon S3 Glacier
	Microsoft Azure Storage
	Tencent
	Lucidlink Cloud NAS
	Google Cloud Storage
	IBM Cloud Object Storage
	Generic S3 storages
	Social Media *Optional
	Facebook
	X (Twitter)
	Vimeo
YouTube	

Formats

Output Formats

Output Video Formats

IMX 30/40/50 Mbps
MPEG2 LGOP 18/25/35 Mbps 4:2:0
MPEG2 LGOP 50/70 Mbps 4:2:2
MPEG2 LGOP 422 50 Mbps
MPEG2 LGOP 420 1440x1080 35 Mbps
MPEG2 LGOP 420 (FULL) 35 Mbps
DVCAM 25 Mbps
XAVC Intra 50 / 100 Mbps
XAVC Intra 300 / 300 VBR / 480 / 480 VBR Mbps
XAVC LGOP 25 / 35 / 50 Mbps
XAVC LGOP 60 / 100 / 140 / 150 / 200 Mbps
DVCPRO 25/50 Mbps / DVCPRO HD 100 Mbps
AVC-Intra 50/100 Mbps
AVC-Intra 200 Mbps
AVC-Intra 2K422
AVC-Intra 4K422
AVC Ultra (LGOP 6/12/25/50 Mbps)
DNxHD (SQ/HQ/HQX/LB)
DNxHR (SQ/HQ/HQX/LB)
H.264 2160p 35 - 68 Mbps High Profile
H.264 1440p 16 - 24 Mbps High Profile
H.264 1080i 35 Mbps High Profile
H.264 1080p 8 - 12 Mbps High Profile
H.264 720p CBR - 6.5 Mbps High Profile
H.264 720p 5 - 7.5 Mbps High Profile
H.264 480p 2.5 - 4 Mbps High Profile
H.264 360p 1 - 1.5 Mbps High Profile
H.264 2160p 13 - 51 Mbps High Profile (Live)
H.264 1440p 6 - 18 Mbps High Profile (Live)
H.264 1080p 3 - 9 Mbps High Profile (Live)
H.264 720p 1.5 - 6 Mbps High Profile (Live)
H.264 480p 0.5 - 2.0 Mbps High Profile (Live)
H.264 360p 0.4 - 1.0 Mbps High Profile (Live)
H.264 240p 0.3 - 0.7 Mbps High Profile (Live)
H.264 1080p CBR 15 Mbps MAIN Profile

Output Video Formats

H.264 480p CBR 2.3 Mbps MAIN Profile
 H.264 360p CBR MAIN Profile
 H.264 432p CBR MAIN Profile
 H.264 576p CBR MAIN Profile
 H.264 720p CBR MAIN Profile
 H.264 1080p CBR MAIN Profile
 H.264 576p CBR - 3 Mbps MAIN Profile
 H.264 720p CBR - 4 Mbps MAIN Profile
 H.264 1080p CBR - 5Mbps MAIN Profile
 H.264 15-30 Mbps MAIN Profile
 H.264 L10 10 Mbps
 H.264 WebRTC Baseline
 H.265/HEVC LGOP 4:2:2
 H.265/HEVC 10 Mbps LGOP
 H.265/HEVC 25 Mbps LGOP
 H.265/HEVC 50 Mbps LGOP
 H.265/HEVC 100 Mbps LGOP
 H.265/HEVC 4K 25 Mbps LGOP
 H.265/HEVC 4K 50 Mbps LGOP
 NDI HX H.264 - High Profile
 NDI HX H.265 - High Profile
 MPEG VVC/H266 Main Profile
 ProRes 422 (SQ/HQ/LT)
 ProRes 4444
 ProRes 4444XQ
 JPEG 2000 (Full HD)
 JPEG 2000 (4K)
 Google® VP6 / VP7 / VP8
 Google® VP9 (Full HD)
 Google® VP9 (4K)
 Uncompressed UYVY 422 / V210 / RGBA
 AOMedia Video 1 (Full HD)
 AOMedia Video 1 (4K)
 IMF (JPEG 2000 @ Full HD)
 IMF (JPEG 2000 @ 4K)

Proxy Formats *

Output Proxy Formats

XAVC LGOP 25 / 35 Mbps
 AVC Ultra (LGOP 6/12/25 Mbps)
 H.264 @ 500 Kbps Flash
 H.264 @ 486p 1 / 1.5 Mbps Flash
 H.264 360p @ 1.6 Mbps Flash
 H.264 720 480p @ 8 / 10 Mbps Flash
 H.264 720p @ 8 / 15 / 16 / 20 / 24 / 25 Mbps Flash
 H.264 854 480p @ 8 / 10 Mbps Flash
 H.264 960 540p @ 3 Mbps Flash
 H.264 1080p @ 8 / 15 / 16 / 20 / 24 / 25 Mbps Flash
 H.264 SD @ 4 / 8 / 15 / 20 / 25 Mbps
 H.264 480p @ 0.5 - 2 Mbps High Profile (Live)
 H.264 360p @ 0.4 - 1 Mbps High Profile (Live)
 H.264 240p @ 0.3 - 0.7 Mbps High Profile (Live)
 ProRes Proxy 1920x1080
 ProRes Proxy 1280x720
 ProRes Proxy 960x540
 ProRes Proxy SD (16:9 Raster)
 ProRes Proxy SD
 MPEG-1 (layer 2) @ 1.5 Mbps
 Avid MPEG-2 (SIF @ 2Mbps)
 H.264 Interplay Web (SD, 800 Kbps, and 2 Mbps)
 Sony Proxy AV (MPEG-4 Part-2) @1.5 Mbps

* Optional output

OTT Formats *

Output OTT Formats

H.264 2160p 35 - 68 Mbps High Profile
H.264 1440p 16 - 24 Mbps High Profile
H.264 1080i 35 Mbps High Profile
H.264 1080p 8 - 12 Mbps High Profile
H.264 720p 5 - 7.5 Mbps High Profile
H.264 480p 2.5 - 4 Mbps High Profile
H.264 360p 1 - 1.5 Mbps High Profile
H.264 2160p 13 - 51 Mbps High Profile (Live)
H.264 1440p 6 - 18 Mbps High Profile (Live)
H.264 1080p 3 - 9 Mbps High Profile (Live)
H.264 720p 1.5 - 6 Mbps High Profile (Live)
H.264 480p 0.5 - 2.0 Mbps High Profile (Live)
H.264 360p 0.4 - 1.0 Mbps High Profile (Live)
H.264 240p 0.3 - 0.7 Mbps High Profile (Live)
H.264 360p CBR MAIN Profile
H.264 432p CBR MAIN Profile
H.264 576p CBR MAIN Profile
H.264 720p CBR MAIN Profile
H.264 1080p CBR MAIN Profile
H.264 576p CBR - 3 Mbps MAIN Profile
H.264 720p CBR - 4 Mbps MAIN Profile
H.264 1080p CBR - 5Mbps MAIN Profile
H.265/HEVC 10 Mbps LGOP
H.265/HEVC 25 Mbps LGOP
H.265/HEVC 50 Mbps LGOP
H.265/HEVC 100 Mbps LGOP
H.265/HEVC LGOP 4:2:2
Google® VP9 (Full HD)
Google® VP9 (4K)

* Optional output

Product Integrations

Editing Systems	MAM / PAM / DAM	Stream	CDN's
Adobe Premiere Pro	CatDV MAM, PAM, DAM	Newtek NDI	Lumen
AVID Media Composer	eMAM Media Asset Management	Haivision SRT	Fastly
AVID Media Central UX	Telestream: Masstech	Zixi	Akamai Technologies
AVID Media Central Cloud UX	AVID Interplay	Consumer Cloud Storages	Microsoft Azure
Apple Final Cut Pro X	AVID Media Central UX	Dropbox	Cloudflare
Edius: Pro 8, Workgroup 9	AVID Media Central Cloud UX	Google Drive	Limelight Networks
BlackMagic: DaVinci Resolve Studio	AXLE MAM	Microsoft One Drive	Amazon CloudFront
Autodesk: Flame	Editshare Flow	Apple I Cloud Drive	BootstrapCDN
Storage	MOG Vizzi	VTR Decks	StackPath
AVID ISIS Storage	Medialoopster MAM	XDCAM HD: Disc (PDW 1500)	KeyCDN
AVID Nexis Storage	Professional Cloud Storages	XDCAM HD: Disc (PDW HD1500)	Rackspace
Avid Unity™ MediaNetwork	Adobe Creative Cloud	XDCAM HD: Disc (PDW F70)	Alibaba Cloud Content Delivery Service
Dynamic Drive Pool SAN Storage	Amazon EC2	XDCAM Station (XDS1000)	CacheFly
Facilis Terrablock	Amazon S3	Cameras	Verizon
Harmonic MediaGrid	Amazon S3 Glacier	Panasonic PTZ Cameras	Hypervisors
Quantum: Storenext	Microsoft Azure Storage	NewTek PTZ3 UHD Camera	Microsoft HyperV
Scalelogic: NX2 & ZX NAS Storage	Microsoft Azure Virtual Machines	NewTek PTZ3 Camera	VMWare ESX
Editshare EFS	Tencent: Cloud Storage	Social Media *Optional	Peripheral Devices
EMC: Isilon	Lucidlink Cloud NAS	Facebook	Countour Shuttle Pro V2
QNAP	Google Cloud Storage	Twitch	Elgato Stream Deck
Studio Network Solutions: EVO	IBM Cloud Object Storage	X (Twitter)	Audio
Oracle Storage	Generic S3	YouTube	Dante *Negotiated separately
Netapp		Vimeo	

Minimum Requirements

Component	4PRO mediaREC
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 or 2x 10Gb Ethernet Port
Capture Card	Blackmagic DeckLink Duo 2 Mini
User Interface	Nvidia T600
Hardware Encoders (Recommendation)	Matrox M264-S2 / Nvidia RTX4000
Operating System	Windows server 2022 or above

Product

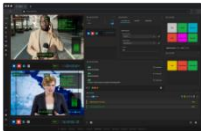
Model	Part Number	Product	Description
Yearly fee	4pmoac1y	4PRO mediaREC	Record
Monthly fee	4pmoac1m	4PRO mediaREC	Record

Available Options

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

Media Operations

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



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.



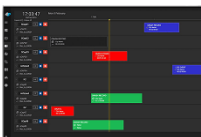
4PRO mSWITCH

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 mTALK
		4PRO mSWITCH
Monthly fee	4pmoac1m	4PRO mTALK
		4PRO mSWITCH

Production Tools

Tools for asset management and 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.



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	Screen-m
Monthly fee	4ppiac1m	Screen-m

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

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