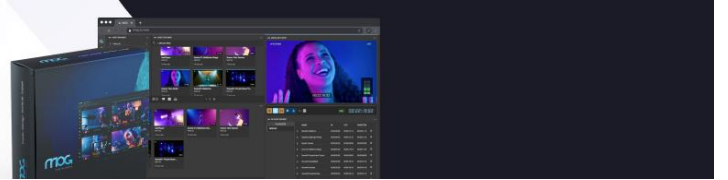


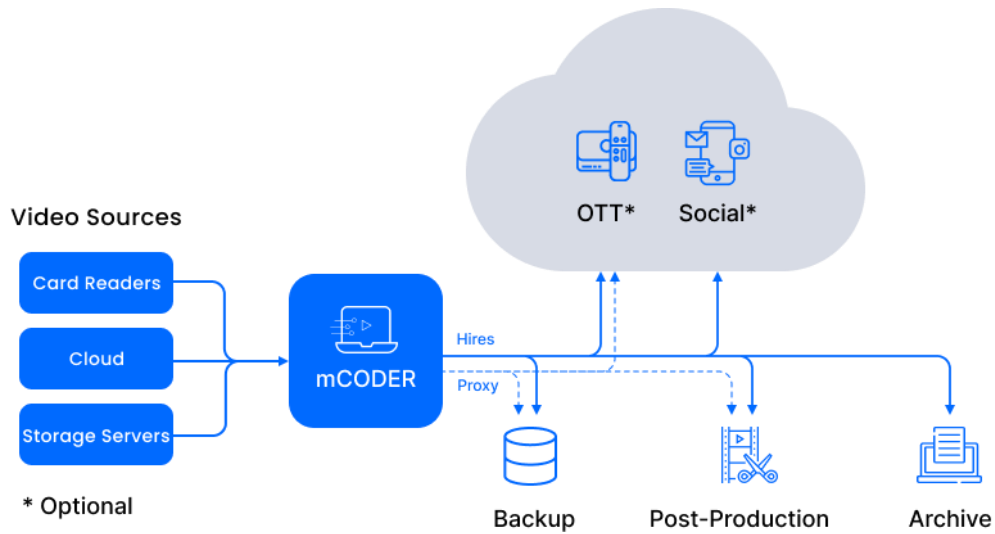
mCODER Kit



Overview

mCODER Kit is a professional multi-format, and real-time transcoding system that can automatically transcode assets to internal house formats for a wide variety of media workflows.

It supports simultaneous media operations that can be a combination of transcoding and previewing files.



Highlights

- Operation modes: manual, scheduled, and automatic
- Ingest and/or transcode the contents according to the destination format
- Supports spanned clips (Sony XDCAM EX, Panasonic P2, Panasonic GH5, GoPro and Canon)
- Optional remote preview for media selection, sub-clipping, and merge
- Burnt-in options: text, timecode, overlays (images and videos), and LUT
- Flexible file renaming engine
- Enable edit while ingest
- Metadata preservation and enhancement
- Multiple simultaneous transcodes
- Full featured local and remote user interface
- Proxy generation
- Artificial engine

Specially Designed For

- Educational/Government
- Live Entertainment/Worship
- Corporate
- Sports
- Film/TV Studio/Scripted
- Digital News
- Post-Production
- Television/Broadcasting

Features

Features

Multiple LIVE and simultaneous records

Generation of MP4 files as fragmented MP4 with DCP packager

Operation modes

Automatic
Manual
Scheduled

Clipnaming

Flexible file renaming engine
Create multiple and diverse Clipnaming templates
Clipnaming based under metadata profiles
Use of common labels (Id, label, Counter, Date, Original Source Name, Weekday, User)
Field numeric representation of the day of the week
Folder Structure creation
Drag and Drop support
Time Zone Support when the "CreationDate" field is selected
Support to append "_p" to proxy clip names

Multi-Configuration metadata management and enrichment

Internal asset management
Quickly search for assets metadata
Metadata management
Metadata fields - prevent overwrite
Protection of metadata fields
Delete custom metadata
Edit source metadata based on a metadata profile
"Description" field editable in metadata widget
"Description" field as a column in the asset explorer list view
Favorite metadata fields
Create custom metadata fields
Rating metadata field
Metadata source update directly in the metadata widget
Add asset tags insertion in preset list
Support re-using lists of possible values
Update Metadata in Media Central/Interplay using AMT-3 library
Take field (counter)
Support for "Reel" metadata field using Apple ProRes Wrapper
Read metadata from cloud storage (Amazon S3 / Google Cloud Storage / Tencent / IBM Cloud Object Storage)
Preserve Arri specific fields
Preserve RED digital cinema color information

Find immediately and learn everything about any asset

Asset Browser - Show/hide proxies
Asset Browser - Sort, order, and search
Asset Explorer - Resizable thumbnails
Asset Explorer - Support asset availability
Asset Explorer - Search all
Asset Explorer - Extraction of thumbnails and posters while indexing
Asset Explorer - Playable thumbnails
Asset Explorer - Pop-up player
Asset Explorer - View the exact duration of files with more than 24 hours
Asset Selection - View the total duration of the selected assets
Asset Selection - Configurable asset preview duration
Asset Selection - Add Numeric Input

Asset management Check-in

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

Audio support

Input and output PCM support
Input support for Dolby E-AC-3, Dolby TrueHD, and DTS
Input and output Dolby-E support
DTS Coherent Acoustics (DCA)
Support PCM 96KHz
Independent audio encoder for hires and proxy
Individual audio mapping by output target
Playout audio only streams
Loudness normalization (EBU R128)
Audio downmixing & upmixing
External audio files support (.WAV)
MPEG-4 Audio (M4A) audio format as output
Mute proxy option in output

Close captions

CEA/EIA - 608
Scenarist (SCC)
Add sidecar - SubRip (SRT)

Features

Add sidecar - Fragmented WebVTT
Add sidecar - ISMT/CMFT subtitles
DCP subtitle burn-in (.SCC)
Digital Cinema Package (DCP) open captioning
Support captioning for OTT (CMFT, SubRip, and WebVTT)
Stream Closed Captions
Locators
Edit and delete locators
Locators merge
Preserve Metadata Enhancement locators created by an Automatic Job
Scheduler (Calendar View)
Scheduled Automatic Jobs via Scheduler
Edit individual events
Allow editing of settings for each occurrence/repetition
Configure the number of events repetitions
Placeholder when editing an occurrence name
Pre-set naming templates
Define events to be triggered on any day, on working days only or only on weekends
Possibility to use the calendar notion option in order to adjust for daylight saving time automatically
Visualize scheduled events in a List View
Export activity events
Checksum media
MD5 hash file
MDL - Media hash list
File ingest
Multiple simultaneous transcodes
Batch ingest
Card ingest
Clip merge
Clip renaming
Disable Clip File Naming generation
Growing files ingest
Growing file support for Grass valley Edius Workgroup v.9 and X
Partial restore
Rough cut
Insert Subclips SOM and EOM without colons
Automatic drag and drop ingest
Drag and drop from social networks
Generate XML sidecar with WAV file as output while ingest
Generate a .xml file for each output AVID clip or AVID sequence
Merge as Sequence from MP4 proxy files
Automatically select workflows available in job control attending the source files
Directly select the storage on the dashboard instead of accessing workflow profiles
Copy assets
Group Assets - Group the resulting outputs into a single asset
Copy - Transfer sidecars if available
Encode the contents according to the destination format
Decode the contents according to the destination format
Move assets
Edit while ingest
Use locators on growing files
Multiple resolutions check-in
Frame rate conversion
Variable Frame Rate Input
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)
Ability to perform "Run after completion" scripts
Audio only OPAtom as output
Do not overwrite files option
Support for .MOV files containing "Run-length encoding" video essence
Enable "growing" support on EDL ingest workflow
Merge as EDL independent of input format
Merge Trimmed files
Merge files with different framerates
Merge P2 with different audio channels
Allow merge of more than 200 assets
Support for spanned Panasonic P2 structure
Preserve original time code breaks in Panasonic P2 Format
Mute proxy option in output (requires proxy option)
Edit decision lists with cut points
Display the total duration of sub-clips on Edit Decision List widget
Ingest from cloud locations
Digital Cinema Package (DCP) support
DCP Packager - Possibility to force fragmented MP4 while uploading to S3 buckets
Generation of MP4 files as fragmented MP4 with DCP packager
Digital Picture Exchange (DPX) support
IMF (Netflix Compliant) output metadata
FTP for generic network devices as input

Features

Ability to delete OPAtom source files
Support for GOPRO spanned files
Support video with vertical rotation
MOG file package support
Support MOG Package from Cloud Storages
Outgest growing media from Interplay
HDR (PQ, HLG) conversion to SDR as output
Support for image files ingest
Support 48fps drop frame media (DJI Camera Drones)
Support for spanned clips
XDCAM support for spanned & merge clips in network locations/network devices
Add black bars to respect aspect ratio
Delete Output on Job Abort
Schedule ingest (Calendar) - Automatic Job
Ingest and/or transcode the contents according to the destination format
Vubiquity assets support
Support for Vizzi collections as input files
Browse Avid Interplay folder structure from within the "Workflow selection window"
Avid Sub Clip export referencing Growing Master Clip
Generate Avid OPAtom assets to an FTP server
Independent targets and multiple outputs
Manage via web interface or REST APIs for integration with automation system
Update Metadata in Media Central/Interplay using AMT-3 library
Live Ingest Operations
Live sources available in asset browser/explorer
Override start timecode
Burn-In Video options
Graphic burn-in while ingesting
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
Quality control - Report
Video Report
Black frames detection
Video freeze detection
Scene change detection
Audio Report
Audio clipping detection
Loudness detection
Silence detection
Others
Timecode gap detection
Automated ingest
Dynamic workflows using metadata fields
Dynamic workflows with support for metadata without sidecars
Delete Assets in Dynamic Jobs
Support different input types on dynamic configurations
Ignore files before a start date
Support metadata enhancement workflows
Vizzi Collections support
File playback
Read Metadata Timecode Package (Auto / Material Package / Source Package)
Input/output social media *Optional
Google Chrome Social-m Plugin
Social-m - Add support for live stream capture
Metadata in Chrome Social-m Plugin
Capture to Facebook Live
Stream to Facebook Live
Stream to Twitch Live
Capture to YouTube Live
File based YouTube Upload
Capture Twitter Live
Stream to Twitter Live
Upload to Vimeo
Metadata social annotation and enhancement
Metadata Enhancement and preservation
Artificial Intelligence
Object detection 2.0
Concept tagger 2.0
Face recognition 2.0
Speech recognition 2.0 (with ability to detect non speech tokens)
Vehicle detection
License plate detection
Optical Character Recognition (OCR)
Age prediction detection

Features

Audio

- Audio clipping detection
- Loudness detection
- Silence detection
- Voice activity detection
- Audio mute detection
- Audio phase detection
- Mono audio detection

Video

- Black frames detection
- Video freeze detection
- Scene change detection
- Black Margins detection
- Flashing video detection

Others

- Timecode gap detection
- Update existing interplay entry with new metadata
- Possibility to add bounding boxes to player

Transform

- Automatically Blur License Plates
- Black margins automatic crop
- Remove audio clicks
- Remove audio clipping
- AI Upscale
- Reduce video flashing
- Auto video crop black margins

Analytics

- Google Analytics and Tag Manager integration
- Option to enable and disable Analytics
- Track menu events
- Video metrics
- Track job control widget events
- Track asset explorer widget 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
- DASH/HLS packager with DRM
- "Keep me signed in" login option

Transfer acceleration protocols

- Aspera FASP transport technology - Transfer acceleration protocol
- FileCatalyst direct - Transfer acceleration protocol

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)
- 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
- Support an external Database
- Microsoft Edge / Firefox and Chrome Support

Unified Interface User Experience

- 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 custom dashboard templates
- Import and export of users Dashboards
- Associate same dashboards to multiple users
- LDAP user authentication
- User profile management
- Users permissions control
- Widget based modular interface
- Lock/Unlock widgets permission
- High contrast theme
- Touch screen mode
- Monitoring - Advanced metrics
- Multi Language Support

Features

User tour
Show/Hide player overlays
Notifications of required actions needed to resume a workflow
View which servers in a group are running Capture and Ingest Operations in a Group activity widget
Multiviewer
Configurable quality and target latency of the preview stream
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
Factory data reset
Erase all data and reset the system
Force clear cache

Technical Specifications

Supported File Inputs

Inputs

	ARRI ALEXA Cameras
	BlackMagic Cameras
	RED Digital Cinema
	Avid Files
	Avid Media Files (standalone or Nexis/ISIS)
	Avid Sequences (master clips and rendered sequences)
	CANON DSLR 5D, 7D, C300, C100
	Generic File Shares
	GoPro Cards
	IKEGAMI GFPAK
	JVC (AVC HD models)
	NextoDI NSB-25
	Panasonic CX350 HEVC
	Panasonic AU-EVA1 and GH5 Cameras
	Panasonic P2
	AJ PCD 2 / AJ PCD 20/30/35 / AJ MPD1
	AU-XP1E / AU-XP3EJ
	Multi Clip/Spanned XDCAM/XAVC/XDCAM-EX Structure
	XDCAM EX
OnPrem	Sony SxS (SBAC-UT100, SBAC-US10/20/30)
	Sony XQD (MRW E-80, MRW E-90)
	XDCAM HD
	Sony XDCAM HD: Disc (PDW-U1, PDW-U2)
	XAVC Structures
	DJI (Camera Drones)
	HLS Structures
	MPEG-TS Structures
	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

Inputs

OnPrem	NAS / SAS (SMB 2.0 and 3.0)
	Quantum StorNext
	ScaleLogic NX2 & ZX NAS Storage
	EMC Isilon
	QNAP
	Studio Network Solutions EVO
	Oracle Storage
Cloud	Netapp
	Social Media
	Facebook
	Twitter
	Vimeo
	YouTube
	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
	Consumer Cloud Storages
	Apple I Cloud Drive
Dropbox	
Google Drive	
Microsoft One Drive	

Supported File Outputs

Outputs

OnPrem	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	FTP Servers (List on request)
	Generic File Shares
	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	
Twitter	
Vimeo	
YouTube	

Supported Live Outputs

Outputs	
Live	Social Media *Optional
	Facebook
	Twitch
	Twitter
	Vimeo
	YouTube
Multiple and Adaptive bitrates for the OTT *Optional	

Formats

Input Formats

Input Formats
ARRI ARRIRAW
Blackmagic RAW
Digital Cinema Packages (DCP)
RED Digital Cinema
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 4320P 80 - 150 Mbps High Profile
H.264 4320P 150 - 280 Mbps High Profile
H.264 2160p 35 - 68 Mbps High Profile
H.264 1440p 16 - 24 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 L10 10 Mbps
H.264 MOG 1Mbps
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
H.265/HEVC 8K 25 Mbps LGOP
H.265/HEVC 8K 50 Mbps LGOP
H.265/HEVC 8K 100 Mbps LGOP
H.265/HEVC 4:2:2 LGOP
H.265/HEVC 4K 4:2:2 LGOP
H.265/HEVC 8K 4:2:2 LGOP
ProRes 422 (SQ/HQ/LT)
ProRes 4444
ProRes 4444XQ
JPEG 2000 (Full HD)
JPEG 2000 (4K)

Input Formats

JPEG 2000 (8K)
 Google® VP6 / VP7 / VP8 / VP9 (Full HD)
 Google® VP9 (4K)
 Google® VP9 (8K)
 Uncompressed UYVY 422 / V210 / RGBA
 AOMedia Video 1 (Full HD)
 AOMedia Video 1 (4K)
 AOMedia Video 1 (8K)
 IMF (JPEG 2000 @ Full HD)
 IMF (JPEG 2000 @ 4K)
 IMF (JPEG 2000 @ 8K)

Output Formats

Output 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 4320p 150 - 280 Mbps High Profile
 H.264 4320p 80 - 150 Mbps High Profile
 H.264 2160p 35 - 68 Mbps High Profile
 H.264 1440p 16 - 24 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
 H.264 480p CBR 2.3 Mbps MAIN Profile
 H.264 15-30 Mbps MAIN Profile
 H.264 L10 10 Mbps
 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
 H.265/HEVC 8K 25 Mbps LGOP
 H.265/HEVC 8K 50 Mbps LGOP
 H.265/HEVC 8K 100 Mbps LGOP
 ProRes 422 (SQ/HQ/LT)
 ProRes 4444
 ProRes 4444XQ
 JPEG 2000 (Full HD)
 JPEG 2000 (4K)
 JPEG 2000 (8K)
 Google® VP6 / VP7 / VP8
 Google® VP9 (Full HD)
 Google® VP9 (4K)

Output Formats

Google® VP9 (8K)
 Uncompressed UYVY 422 / V210 / RGBA
 AOMedia Video 1 (Full HD)
 AOMedia Video 1 (4K)
 AOMedia Video 1 (8K)
 IMF (JPEG 2000 @ Full HD)
 IMF (JPEG 2000 @ 4K)
 IMF (JPEG 2000 @ 8K)

Proxy Formats

Proxy Formats

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

OTT Formats *

OTT Formats

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 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.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 / 4K)

* Optional output

Product Integrations

Editing Sytems	MAM / PAM / DAM	Cameras	Consumer Cloud Storages
Adobe Premiere Pro	CatDV MAM	Canon (DSLR5D, DSLR 7D)	Dropbox
AVID Media Composer	CatDV PAM	Canon (DSLR C300, DSLR C100)	Google Drive
AVID Media Central UX	CatDV DAM	ARRI Alexa XT (ARRIRAW)	Microsoft One Drive
AVID Media Central Cloud UX	eMAM Media Asset Management	Panasonic AU-EVA1	Apple I Cloud Drive
Apple Final Cut Pro X	Telestream: Masstech	Panasonic GH5 Cameras	CDN's
Edius: Pro 8, Workgroup 9	AVID Interplay	Panasonic CX350 HEVC	Lumen
BlackMagic: DaVinci Resolve Studio	AXLE MAM	Ikegami Gfpack	Fastly
Autodesk: Flame	Editshare Flow	JVC AVC HD camera models	Akamai Technologies
Storage	MOG Vizzi	LUMIX DC-S1H	Microsoft Azure
AVID ISIS Storage	Structures	RED Digital Cinema	Cloudflare
AVID Nexis Storage	XAVC Structures	GOPRO	Limelight Networks
Avid Unity™ MediaNetwork	Professional Cloud Storages	Card Readers	Amazon CloudFront
Dynamic Drive Pool SAN Storage	Adobe Creative Cloud	Panasonic P2 (AJ PCD 2 / AJ PCD 20/30/35)	BootstrapCDN
Facilis Terrablock	Amazon EC2	Panasonic P2 (AJ MPD1)	StackPath
Harmonic MediaGrid	Amazon S3	Panasonic P2 (AU-XPDI1E / AU-XPDI3EJ)	KeyCDN
Quantum: Storenxt	Amazon S3 Glacier	Panasonic P2 (AG HPG 20)	Rackspace
Scalelogic: NX2 & ZX NAS Storage	Microsoft Azure Storage	Sony XDCAM EX (SxS Cards): SBAC-US10/20/30	Alibaba Cloud Content Delivery Service
Editshare EFS	Microsoft Azure Virtual Machines	Sony XDCAM EX (SxS Cards): SBAC-UT100	CacheFly
EMC: Isilon	Tencent: Cloud Storage	Sony XDCAM EX (SxS Cards): MRW E-80	Verizon
QNAP	Lucidlink Cloud NAS	Sony XDCAM EX (SxS Cards): MRW E-90	Social Media *Optional
Studio Network Solutions: EVO	Google Cloud Storage	Sony Disc Reader: PDW-U1, PDW-U2	Facebook
Oracle Storage	IBM Cloud Object Storage	VTR Decks	Twitch
Netapp	Hyperversers	XDCAM HD: Disc (PDW 1500, PDW HD1500)	Twitter
Archive	Microsoft HyperV	XDCAM HD: Disc (PDW F70)	YouTube
Archiware P5	VMWare ESX	XDCAM Station (XDS1000)	Vimeo
Xendata Archive Appliances		Transfer Acceleration Protocols	
Oracle Front Porch Digital		File Catalyst Direct	
DIVArchive		IBM: Aspera File Transfer	

Minimum Hardware Requirements

To ingest and transcode in UHD

Features	Specs
CPU	2x Intel Xeon Gold 6342 2.8G or above
RAM	16x 8GB DDR4
OS Drive	480GB SSD
Network	2x 10 Gb Ethernet Port + 2x 1 Gb Ethernet Port
Hardware Encoders (Recommendation)	2x Nvidia A2
Operating System	MOG includes the OS image and license

To ingest and transcode in FHD

Features	Specs
CPU	2x Intel Xeon Silver 4314 2.4G or above
RAM	8x 8GB DDR4
OS Drive	480GB SSD
Network	2x 10Gb Ethernet Port + 2x 1 Gb Ethernet Port
Hardware Encoders (Recommendation)	1x Nvidia A2
Operating System	MOG includes the OS image and license

Kit Contents

Features	Specs
Operating System Provided by MOG	Windows 10 IOT LTSC or SAC

Concurrent Media Operations

With mCODER Kit, it is possible to run different media operations simultaneously, thus guaranteeing distinct arrangements to meet the challenging media day-to-day activities.

Media operations include ingest, transcoding, and file preview.

By default, the mCODER Kit supports up to 2 media operations simultaneously, but it is widely scalable, allowing you to scale the solution accordingly to your needs by adding more operations. With this, you can combine the operations shown in the table below:

Concurrent Media Operations	
Ingest & Transcode	File Preview
Kit includes 2 media operations *	Up to 5 files preview

* Can be scalable

Product

Part Number	Product	Description
mckt	mCODER Kit	File ingest kit with a scalable limit of media operations

Available Options

Choose from the products below to customize the mCODER kit according to your business rules.

Production Tools

Tools for asset management and workflow orchestration.



mPAM

Benefit from a state-of-the-art content and production asset manager tool with 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.

Part Number	Product	Description
mpam1u	mPAM	Content and production asset manager per licensed user

Note: Adding optional features might affect the number of simultaneous operations.

Add-ons

Input option to complement your workflows.

Part Number	Product	Description
mcktacsm	Additional operation	Scale the number of operations

Note: Adding optional features might affect the number of simultaneous operations.

Output options to complement your workflows.

Part Number	Product	Description
ktoasa	OTT & Social media	Multiple output resolutions for OTT & Simultaneous social media shares

Note: Adding optional features might affect the number of simultaneous operations.

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 mCODER 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.

Part Number	Product	Description
smpi	Social-m plugin	Social media capture & Publishing

Note: Adding optional features might affect the number of simultaneous operations.

Artificial Engine

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

Default (already included)	
Black frames detection	Transformation Frame rate conversion
Video freeze detection	
Black margins detection	
Audio clipping detection	
Audio mute detection	
Audio phase detection	
Audio mono detection	
Timecode gap detection	
Update existing interplay entry with new metadata	

Pack 2 - Object detections	
Object detection	Transformation Blur License Plates
Vehicle detection	
License plate detection	
Concept tagger	
Bouncing Boxes	

Pack 1 - Audio & Video analysis	
Scene change detection	Transformation Remove audio clicks
Voice activity detection	
Silence detection	Remove audio clipping
Loudness detection	Crop black margins
Loudness balance	AI Upscale
	Frame rate conversion AI

Pack 3 - Event recognitions
Speech recognition
Face recognition
Age prediction
Optical Character Recognition (OCR)

Part Number	Product	Description
aip1	Artificial engine 1	Audio & Video analysis
aip2	Artificial engine 2	Object detections
aip3	Artificial engine 3	Event recognitions

Note: Adding optional features might affect the number of simultaneous operations.

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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