

mediaMOVE Densu Series

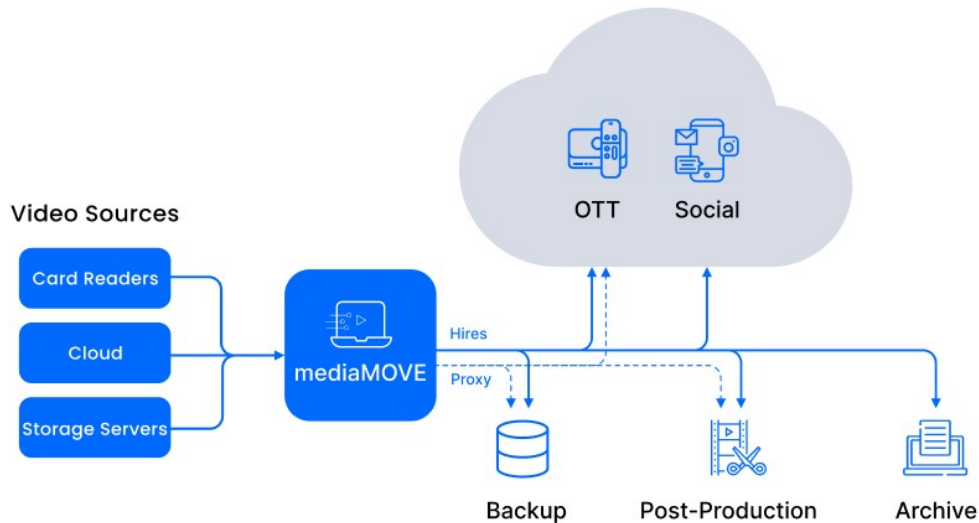


Overview

mediaMOVE Densu Series is a compact cost-effective appliance that can support FHD/HD/SD video gateways to ingest and transcode all kind of media files.

A single node configuration performs two simultaneous ingest operations.

A dual node configuration performs four simultaneous ingest operations.



Highlights

- Operation modes: manual, scheduled and automatic
- Ingest and/or Transcode contents according to the destination format
- Support for spanned clips (Sony XDCAM EX, Panasonic P2, Panasonic GH5, GoPro, and Canon)
- Flexible file renaming engine
- Enable edit while ingest
- Metadata preservation and enhancement
- Burnt-in options: text, timecode, overlays (images and videos), and LUT
- Full-featured local and remote user interface

Models



mediaMOVE Densu A



mediaMOVE Densu A-2

Features

Features	Densu A	Densu A-2
Operation modes	✓	✓
Automatic	✓	✓
Manual	✓	✓
Scheduled	✓	✓
Clipnaming	✓	✓
Flexible file renaming engine	✓	✓
Time Zone Support when the "CreationDate" field is selected	✓	✓
Possibility to add ".p" to proxy clip names	✓	✓
Clipnaming based under metadata profiles	✓	✓
Field numeric representation of the day of the week	✓	✓
Multi-Configuration metadata management and enrichment	✓	✓
Internal asset management	✓	✓
Logging - Human readable information on Services logs	✓	✓
Metadata management	✓	✓
Quickly search for metadata from the assets	✓	✓
Metadata fields - prevent overwrite	✓	✓
Edit source metadata based on a metadata profile	✓	✓
Extraction of thumbnails and posters while indexing	✓	✓
Favorites metadata fields	✓	✓
"Description" field editable in metadata widget available as a column in the asset explorer list view	✓	✓
Protection of metadata fields	✓	✓
Delete custom metadata	✓	✓
Preserve Arri specific fields	✓	✓
Preserve RED digital cinema colour information	✓	✓
Read metadata from cloud storage (Amazon S3 / Google Cloud Storage / Tencent / IBM Cloud Object Storage)	✓	✓
Metadata source updater	✓	✓
Support re-using lists of possible values	✓	✓
Support for "Reel" metadata field using Apple ProRes Wrapper	✓	✓
Add metadata field reel to MOV	✓	✓
Asset tags preset list	✓	✓
Use enhanced metadata in workflows	✓	✓
Edit and delete locators	✓	✓
Asset management Checkin	✓	✓
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)	✓	✓
Independent audio encoder for hires and proxy	✓	✓
Individual audio mapping by output target	✓	✓
Loudness normalization (EBU R128)	✓	✓
Audio downmixing & upmixing	✓	✓
External audio files support (.WAV)	✓	✓
Close captions	✓	✓
CEA/EIA - 608	✓	✓
Scenarist (SCC)	✓	✓
Add sidecar - SubRip (SRT)	✓	✓
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	✓	✓
Burnt-In options	✓	✓
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	✓	✓
Locators	✓	✓
Locators merge	✓	✓
Scheduler (Calendar View)	✓	✓
Export activity events	✓	✓
Automatic jobs ingest	✓	✓
Support for editing of scheduler individual events	✓	✓
Automatic Jobs via scheduler - Ignore files before a start date	✓	✓
Allow edition of settings for each occurrence/repetition	✓	✓
Placeholder when editing occurrence name	✓	✓
Pre-set naming templates	✓	✓
Availability to configure the number of events repetitions	✓	✓
Define events to be triggered on any day, on working days only or only on weekends	✓	✓

Features	Densu A	Densu A-2
Possibility to use the calendar notion option in order to adjust for daylight saving time automatically	✓	✓
List view	✓	✓
Checksum media	✓	✓
MD5 hash file	✓	✓
Media hash list	✓	✓
File ingest	✓	✓
Multiple simultaneous transcodes	✓	✓
Batch ingest	✓	✓
Card ingest	✓	✓
Clip merge	✓	✓
Clip renaming	✓	✓
Growing files ingest	✓	✓
Growing file support for Grassvalley Edius WorkGroup v.9 and X	✓	✓
Partial restore	✓	✓
Rough cut	✓	✓
Automatic drag and drop ingest	✓	✓
Drag and drop from social networks	✓	✓
Generate XML sidecar with WAV file as output while Ingest	✓	✓
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 the destination format	✓	✓
Decode the contents according the destination format	✓	✓
Move assets	✓	✓
Edit while ingest	✓	✓
Graphic burnt-in while ingesting	✓	✓
Multiple resolutions check-in	✓	✓
Frame rate conversion	✓	✓
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)	✓	✓
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 files with different frame-rates	✓	✓
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)	✓	✓
Clip list with cut points	✓	✓
Ingest from cloud locations	✓	✓
Digital Cinema Package (DCP) support	✓	✓
Digital Picture Exchange (DPX) support	✓	✓
IMF (Netflix Compliant) output metadata	✓	✓
FTP for generic network devices as input	✓	✓
Ability to delete OPAtom source files	✓	✓
Support for GOPRO spanned files	✓	✓
MOG file package	✓	✓
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 the destination format	✓	✓
Vubiquity assets support	✓	✓
Browse Avid Interplay folder structure from within the "Workflow selection window"	✓	✓
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 MediaCentral/Interplay using AMT-3 library	✓	✓
Live ingest operations	✓	✓
Live sources available in asset browser/explorer	✓	✓
Override start timecode	✓	✓
Option to start timecode recording from 00:00:00:00	✓	✓
Quality control - Report	✓	✓
Video Report	✓	✓
Black frames detection	✓	✓
Video freeze detection	✓	✓
Scene change detection	✓	✓
Audio Report	✓	✓

Features	Densu A	Densu A-2
Audio clipping detection	✓	✓
Loudness detection	✓	✓
Silence detection	✓	✓
Others	✓	✓
Timecode gap detection	✓	✓
Automated ingest	✓	✓
Dynamic workflows	✓	✓
Dynamic workflows - Support metadata without sidecars	✓	✓
Ignore files before a start date	✓	✓
Support metadata enhancement workflows	✓	✓
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 - Playable thumbnails	✓	✓
Asset Selection - Configurable asset preview duration	✓	✓
Input/output social media *Optional	✓	✓
Google Chrome mSOCIAL plugin	✓	✓
mSOCIAL Plugin - Add support for live stream capture	✓	✓
Metadata in Chrome mSOCIAL 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 preservation and enhancement	✓	✓
Artificial Intelligence	✓	✓
Object detection	✓	✓
Concept tagger	✓	✓
Face recognition	✓	✓
Speech recognition	✓	✓
Vehicle detection	✓	✓
License plate detection	✓	✓
Optical Character Recognition (OCR)	✓	✓
Age prediction detection	✓	✓
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	✓	✓
Improved security	✓	✓
Support for Windows UAC	✓	✓
HTTPS (Hypertext Transfer Protocol Secure) for REST API	✓	✓
Secure login	✓	✓
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	✓	✓
Hardware acceleration *If Hardware is installed or available	✓	✓

Features	Densu A	Densu A-2
Intel QSV	✓	✓
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	✓	✓
InterCOM - Audio communication between users	✓	✓
interCOM - QR Code implementation	✓	✓
InterCOM - WebApp (Requires Android Smartphone)	✓	✓
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	✓	✓
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	✓	✓

Technical Specifications

Supported File Inputs

Inputs		Densu A	Densu A-2
OnPrem	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-XPDI1E / AU-XPDI3EJ	✓	✓
	Multi Clip/Spanned XDCAM/XAVC/XDCAM-EX Structure	✓	✓
	XDCAM EX	✓	✓
	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	✓	✓
	VTR Decks	✓	✓
	Panasonic P2	✓	✓
	AG HPG 20	✓	✓
	XDCAM HD	✓	✓
	Sony XDCAM HD: Disc (PDW 1500, PDW HD1500)	✓	✓
	Sony XDCAM HD: Disc (PDW F70)	✓	✓
	XDCAM Station	✓	✓
	Sony XDS 1000	✓	✓
	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	✓	✓
	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	✓	✓
	Consumer Cloud Storages	✓	✓
	Apple I Cloud Drive	✓	✓
Dropbox	✓	✓	
Google Drive	✓	✓	
Microsoft One Drive	✓	✓	

Supported File Outputs

Outputs		Densu A	Densu A-2
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	✓	✓
	FTP Servers (List on request)	✓	✓
	Generic File Shares	✓	✓
Cloud	Consumer Cloud Storages	✓	✓
	Apple I Cloud Drive	✓	✓
	Dropbox	✓	✓
	Google Drive	✓	✓
	Microsoft One Drive	✓	✓
	We Transfer	✓	✓
	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	✓	✓
	Social Media *Optional	✓	✓
Facebook	✓	✓	
Twitter	✓	✓	
Vimeo	✓	✓	
YouTube	✓	✓	

Supported Live Outputs

Outputs		Densu A	Densu A-2
Live	Social Media *Optional	✓	✓
	Facebook	✓	✓
	Twitch	✓	✓
	Twitter	✓	✓
	Vimeo	✓	✓
	YouTube	✓	✓
	Multiple and Adaptive bitrates for the OTT *Optional	✓	✓

Formats

Input Formats

Input Formats	Densu A	Densu A-2
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 LGOP 25 / 35 / 50 Mbps	✓	✓
DVCPRO 25/50 Mbps / DVCPRO HD 100 Mbps	✓	✓
AVC-Intra 50 / 100 / 200 Mbps	✓	✓
AVC Ultra (LGOP 6/12/25/50 Mbps)	✓	✓
DNxHD (SQ/HQ/HQX/LB)	✓	✓
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.264 L10 10 Mbps	✓	✓
H.264 MOG 1Mbps	✓	✓
H.265/HEVC 10 / 25 / 50 / 100 Mbps LGOP	✓	✓
ProRes 422 (SQ/HQ/LT)	✓	✓
JPEG 2000 (Full HD)	✓	✓
Google® VP6 / VP7 / VP8 / VP9 (Full HD)	✓	✓
Uncompressed UYVY 422 / V210 / RGBA	✓	✓
AOMedia Video 1 (Full HD)	✓	✓
IMF (JPEG 2000 @ Full HD)	✓	✓

Output Formats

Output Formats	Densu A	Densu A-2
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 LGOP 25 / 35 / 50 Mbps	✓	✓
DVCPRO 25/50 Mbps / DVCPRO HD 100 Mbps	✓	✓
AVC-Intra 50 / 100 / 200 Mbps	✓	✓
AVC Ultra (LGOP 6/12/25/50 Mbps)	✓	✓
DNxHD (SQ/HQ/HQX/LB)	✓	✓
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.264 L10 10 Mbps	✓	✓
H.265/HEVC LGOP 4:2:2	✓	✓
H.265/HEVC 10 / 25 / 50 / 100 Mbps LGOP	✓	✓
ProRes 422 (SQ/HQ/LT)	✓	✓
JPEG 2000 (Full HD)	✓	✓
Google® VP6 / VP7 / VP8	✓	✓
Google® VP9 (Full HD)	✓	✓
Uncompressed UYVY 422 / V210 / RGBA	✓	✓
AOMedia Video 1 (Full HD)	✓	✓
IMF (JPEG 2000 @ Full HD)	✓	✓

Proxy Formats

Proxy Formats	Densu A	Densu A-2
H.264 @ 500 Kbps Flash	✓	✓
H.264 @ 1 / 1.5 Mbps Flash	✓	✓
H.264 720 480p @ 8 / 10 Mbps Flash	✓	✓
H.264 720p @ 15 / 20 / 25 Mbps Flash	✓	✓
H.264 854 480p @ 8 / 10 Mbps Flash	✓	✓
H.264 960 540p @ 3 Mbps Flash	✓	✓
H.264 1080p @ 15 / 20 / 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	Densu A	Densu A-2
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 / 25 / 50 / 100 Mbps LGOP	✓	✓
H.265/HEVC LGOP 4:2:2	✓	✓

Product Integrations

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

Server Options

Compact server that can support FHD/HD/SD video gateways for the following media operations: ingest and transcode.

Features	Specs	Densu A	Densu A-2
Platform	Xpress 1U	✓	✓
Connectivity	2x 1Gb Eth, 1x displayPort, 1x HDMI, 4x USB 3.0, 2x USB 2.0 and 1x audio out 4x 1Gb Eth, 2x displayPort, 2x HDMI, 8x USB 3.0, 4x USB 2.0 and 2x audio out	✓	✓
Temperature Specs	Storage -40°C to 65°C (-40°F to 149°F), Continuous operation 10°C to 32°C (50°F to 89.6°F)	✓	✓
Power Requirements	Single 300W	✓	✓
Dimensions and Weight	1RU, 245x484x42.5mm (D,W,H), ~7Kg	✓	✓
Delivery Packaging	580x380x250mm (D,W,H), ~8Kg	✓	✓
What is Included	1x C13 to C14 power cord	✓	✓

Products

Part Number	Product	Description
mmxp1ua1	mediaMOVE Densu A	Single node dual file ingest compact appliance
mmxp1ua2	mediaMOVE Densu A-2	Dual node dual file ingest per node compact appliance

Available Options

Part Number		Options Description	Number of Maximum Operations*	
2 Operations	4 Operations		Densu A	Densu A-2
mmpa2o	mmpa4o	Proxy ACTIVATION	2	4
mmsa2o	mmsa4o	Social media sharing ACTIVATION	2	4
mmoa2o	mmoa4o	Generate multi resolutions and delivery to OTT	2	4
mprp2o	mprp4o	Remote preview of Avid files, OP1a files and QT files	2	4
mmta2o	mmta4o	Transcode ACTIVATION	2	4
mmgf2o	mmgf4o	Growing input files support	2	4

Part Number	Plugins Description	Number of Maximum Clients*	
		Densu A	Densu A-2
mmms	mSOCIAL - Option for Social capture and transference	10	10

Part Number	AI Options Description	Number of Operations per Engine*	
		Densu A	Densu A-2
mmqc	Quality control ACTIVATION (Video-Freeze Detection, Audio-Clipping Detection, Black Frames Detection, Loudness Detection)	1	1
mmaa	Audio AI ACTIVATION (Silence Detection, Voice-Activity Detection, Speech Recognition)	1	1
mmva	Video AI ACTIVATION (Scene-Change Detection, Concept Tagger, Face Recognition, Age Prediction, Vehicle Detection)	1	1

* 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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