

## mDECK Densu tl

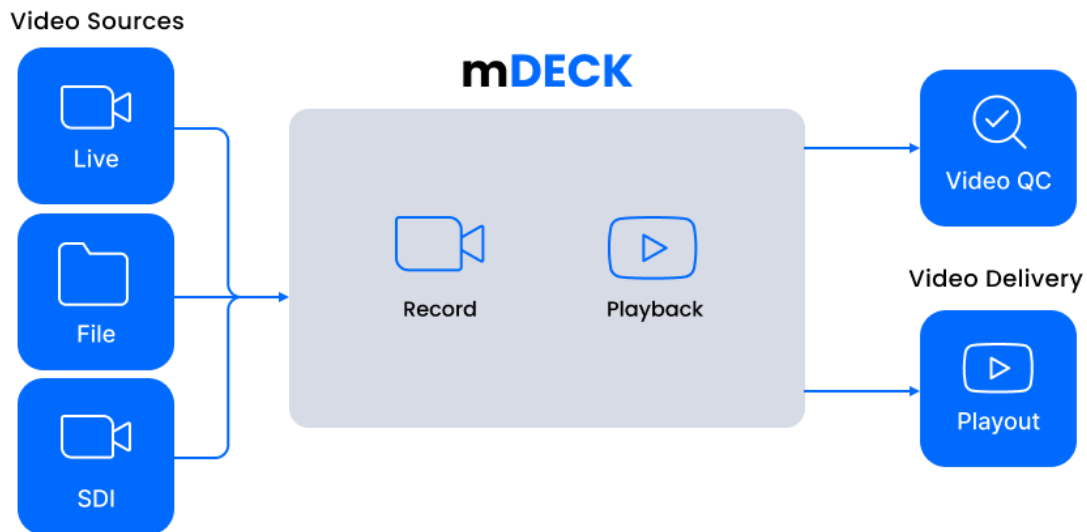


### Overview

Boost your team's performance with mDECK Densu tl, a professional dual-node media deck that can combine operations of record and playback content in FHD and NDI from XDCAM and P2 structures directly to HDD or SSD removable drives.

mDECK Densu tl supports combinations of media operations and guarantees a universe of distinct arrangements to suit the different activities of each day.

Additionally, it comes with PSU redundancy, an OS drive, and can be pre-configured to support IP Live workflows.



### Highlights

- Live to file - multiple simultaneous records
- File playback - multiple simultaneous plays
- All media operations can simultaneously use the local hard drives
- Metadata preservation, enhancement, and enrichment
- Flexible file naming and renaming engine
- Playlist management
- Supports spanned clips
- Proxy generation

### Specially Designed For

- Educational/Government
- Live Entertainment/Worship
- Corporate
- Sports
- Film/TV Studio/Scripted
- Digital News
- Mobile Studios/OB Vans
- Television/Broadcasting

## Features

| Features   |
|--|
| <b>Timecode support</b>  |
| LTC (SMPTE 12M)  |
| VITC (SMPTE RP188)   |
| Time of Day  |
| From VTR (BVW) - Serial  |
| <b>Multiple LIVE and simultaneous records</b>  |
| 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                 |
| 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 file support for Grass valley Edius Workgroup v.9 and X  |
| Growing XDCAM MXF OP1a file support on Avid Media Composer <b>*required Nablet AMA Plugin</b>                |
| Automatic Stream Control - Detect input streams and start recording automatically                            |
| Continuous recording support   |
| Continuous live stream capture   |
| Recording timer for captures   |
| Abort or force stop a capture or a stream  |
| Frame rate conversion option on Capture workflows  |
| Generate MP4 files as Fragmented MP4 via DCP Packager  |
| 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   |
| 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  |
| <b>Operation modes</b>   |
| Automatic  |
| Manual   |
| Scheduled  |
| <b>Clipnaming</b>  |
| Flexible file renaming engine  |
| Create diversified clipnaming templates  |
| Clipnaming based on 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  |
| 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   |
| <b>Multi-Configuration metadata management and enrichment</b>  |
| An efficient internal asset management   |
| Quickly search for assets metadata   |

## Features

- 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
- Preserve specific Arri fields

### 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
- Configure the asset's preview duration
- Asset Selection - Add Numeric Input

### Asset management Check-in

- AVID AAF
- AVID interplay
- XML support
- XSLT transformation - XML sidcar
- 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
- PCM 96KHz support
- Independent audio encoder for hires and proxy
- Individually map your audio by output target
- Record audio only streams
- Playout audio only streams
- Loudness normalization (EBU R128)
- Audio downmixing & upmixing
- External audio files support (.WAV)
- MPEG-4 Audio (M4A) audio format as output
- Ability to mute proxy on the output

### Close captions

- CEA/EIA - 608
- Scenarist (SCC)
- Add sidcar - SubRip (SRT)
- Add sidcar - Fragmented WebVTT

## Features

Add sidecar - ISMT/CMFT subtitles  
 DCP subtitle burn-in (.SCC)  
 Digital Cinema Package (DCP) open captioning  
 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 and delete locators  
 Edit the locators' description  
 Insertion and viewing  
 Create and freely customize action fields  
 Insert comments in a marker's widget tab  
 Locators source in markers widget  
 Select multiple subcategories for a single locator  
 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  
 Merge locators  
 Support for locators with AMT captures  
 Send locators directly to Gang Captures  
 Preserve Metadata Enhancement locators created by an Automatic Job

**Scheduler (Calendar View)**

Schedule a Record operation  
 Scheduled Automatic Jobs via Scheduler  
 Edit individual events  
 Allow editing of settings for each occurrence/repetition  
 Set the number of an event's repetitions  
 Check for collisions between events and repetitions  
 Ability to Ignore files before a start date  
 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  
 Export activity events  
 Perform captures from a MOG S1000  
 Perform captures from an Airspeed 5000  
 Perform captures from a Softron Movie Recorder

**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  
 Support Live Stream from sCapture as rPayout input

**NDI**

Native NDI output  
 NDI HX Support

## Features

NDI audio and video synchronized mechanism  
 NDI discovery mechanism  
 Capture multiple NDI sources  
 Time of day and embedded timecode options in NDI input

### 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

### WebRTC

h.264 Support  
 VP8 Support  
 VP9 Support

### File ingest

Disable Clip File Naming generation  
 Ingest while growing  
 Automatic drag and drop ingest  
 Drag and drop media from several social networks  
 Directly select the storage on the dashboard instead of accessing workflow profiles  
 Copy assets  
 Group resulting assets into a single one  
 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 transcoding/ingesting  
 Place locators on growing files  
 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 OPAAtom as output  
 Opt to not overwrite files  
 Enable "growing" support on EDL ingest workflow  
 Timecode SUM of selected cuts  
 Merge assets as EDL, regardless of the input's format  
 Merge Trimmed files  
 Merge files with different framerates  
 Merge P2 with different audio channels  
 Merge operations for Devices sources  
 Allow the 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)  
 Create Edit Decision Lists with cut points  
 View the total duration of the sub-clips in an EDL widget  
 Digital Cinema Package (DCP) support  
 Choose to force fragment MP4 clips while uploading to a S3 bucket  
 Generation of MP4 files as fragmented MP4 with DCP packager  
 Digital Picture Exchange (DPX) support  
 Select IMF (Netflix Compliant) as the output metadata  
 HDR (PQ, HLG) conversion to SDR as output  
 Ingest image files  
 Support for spanned clips  
 XDCAM support for spanned & merge clips in network locations/network devices  
 Add black bars to match the aspect ratio  
 Delete an Output via Job Abort  
 Ingest and/or transcode the contents according to the destination format  
 Support for Viziti collections as input files

| Features   |
|--|
| 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                                       |
| Update Metadata in Media Central/Interplay using AMT-3 library                     |
| Create Live Ingest Operations  |
| Live Sources made available in the Asset Browser/Explorer widgets                  |
| Override start timecode  |
| Index clips with same name but with different metadata                             |
| Exclude file extensions from File inputs   |
| <b>Burn-In Video options</b>   |
| Graphic burn-in while recording  |
| 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                   |
| <b>Automated ingest</b>  |
| 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   |
| Re-process assets with the same name   |
| Support metadata enhancement workflows   |
| Vizzi Collections support  |
| <b>File playback</b>   |
| Simultaneous playback  |
| Composition play   |
| Instant play   |
| Gang Play  |
| Replay a group or an individual asset  |
| Loop playback  |
| Group Loop Playback  |
| Gridline (3x5) Overlay   |
| Remote preview   |
| Support for 10bit  |
| Synchronous SDI playback of multiple files   |
| Closed captions  |
| Cue mode   |
| Monitor - support HDR  |
| Option to add locators   |
| Play assets from cloud storages  |
| Preview Editing Decision Lists   |
| Preview Clip Lists   |
| Playback - 8K UHD  |
| Embedded VITC output support   |
| Step multiple frames forward and backwards on SDI/gang playback                    |
| Support for growing assets in player   |
| Support for spanned assets in player   |
| Timecode only monitoring   |
| Use of a contour shuttle to control an asset during playback                       |
| Playback duration showing the remaining time of the clip                           |
| Remove clips   |
| Reorder clips  |
| Export playlist  |
| Create new playlists with the current assets selection                             |
| <b>Playout</b>   |
| Flexible metadata management   |
| <b>mTALK</b>   |
| Communicate via audio between two or more users                                    |
| QR code implementation   |
| WebApp (requires Android smartphone)   |

## Features

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

### Transfer acceleration protocols

Aspera FASP transport technology - Transfer acceleration protocol

FileCatalyst direct - Transfer acceleration protocol

### Hardware acceleration \*If Hardware is installed or available

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

Control XPress display panel with peripheral API

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

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

| Features    |   |
|-------------|---|
|             | 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

Supported File Inputs

| Inputs |  |
|--------|--|
| OnPrem | Plain Files or Structures                    |
|        | Panasonic P2                                 |
|        | AJ-PCD 2 / AJ-PCD 20/30/35 / AJ-MPD1         |
|        | AU-XPd1E / AU-XPd3EJ                         |
|        | XDCAM EX:                                    |
|        | Sony SxS (SBAC-UT100, SBAC-US10/20/30)       |
|        | XDCAM HD                                     |
|        | Sony XDCAM HD: Disc (PDW-U1, PDW-U2, PDW-U4) |
|        | XAVC Structures                              |
|        | DJI (Camera Drones)                          |
|        | Network                                      |
|        | XDCAM Network                                |
|        | P2 Network                                   |
|        | ARRI RAW Network                             |
|        | Ikegami Network                              |
| Cloud  | Social Media                                 |
|        | Facebook                                     |
|        | X (Twitter)                                  |
|        | Vimeo  |
|        | YouTube                                      |



## Inputs

### 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

### Removable Disks

HDD 2.5"  
SSD 2.5"

## Supported Live Inputs

## Inputs

### SD/HD/FHD-SDI

SD-SDI (SMPTE 259M)  
3G-SDI (SMPTE 292M, SMPTE296M, SMPTE372M, SMPTE425M)  
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 \*Optional

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    | SD/HD/FHD-SDI   |
|         | SD-SDI (SMPTE 259M)                                   |
|         | 3G-SDI (SMPTE 292M, SMPTE296M, SMPTE372M, SMPTE425M)  |
|         | Support for 8, 10 and 12 bits                         |
|         | Streams   |
|         | HLS   |
|         | Microsoft Smooth Streaming                            |
|         | MPEG-DASH   |
|         | Low Latency Dash - LL-Dash                            |
|         | NewTek NDI  |
|         | MPEG-TS   |
|         | RTMP (with support for HEVC / VP9 / AV1)              |
|         | RTP   |
|         | RTSP  |
|         | UDP   |
|         | Haivision SRT   |
|         | WebRTC  |
|         | Vizzi   |
|         | Live Output   |
|         | IP Live *Optional                                     |
|         | ST2022-7  |
|         | ST2110-10, ST2110-20, ST2110-21, ST2110-30, ST2110-31 |
|         | ST2110-40   |

Formats

Input Formats

| Input Video Formats                    |
|--|
| ARRI ARRIRAW                           |
| Blackmagic RAW                         |
| Digital Cinema Packages (DCP)          |
| Digital Picture Exchange (DPX)         |
| 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 Mbps                  |
| MPEG-5 EVC Baseline Profile            |
| MPEG-5 EVC Main Profile                |
| MPEG VVC/H266 Main Profile             |

## 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 LGOP 25 / 35 / 50 Mbps  
 DVCPRO 25/50 Mbps / DVCPRO HD 100 Mbps  
 AVC-Intra 50/100 Mbps  
 AVC-Intra 200 Mbps  
 MPEG-5 EVC Baseline Profile  
 MPEG-5 EVC Main Profile  
 MPEG VVC/H266 Main Profile

## 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 MOG 1Mbps  
 H.264 Interplay Web (SD, 800 Kbps, and 2 Mbps)  
 Sony Proxy AV (MPEG-4 Part-2) @1.5 Mbps

Product Integrations

| Editing Sytems                     | Card Readers                               | Cameras                                       |
|------------------------------------|--|---|
| Adobe Premiere Pro                 | Panasonic P2 AJ PCD 2                      | Canon (DSLR5D, DSLR 7D, DSLR C300, DSLR C100) |
| AVID Media Composer                | Panasonic P2 AJ PCD 20/30/35               | ARRI Alexa XT (ARRIRAW)                       |
| AVID Media Central UX              | Panasonic P2 AJ MPD1)                      | Panasonic AU-EVA1                             |
| AVID Media Central Cloud UX        | Panasonic P2 AU-XPD1E                      | Panasonic GH5 Cameras                         |
| Apple Final Cut Pro X              | Panasonic P2 AU-XPD3EJ                     | Panasonic CX350 HEVC                          |
| Edius: Pro 8, Workgroup 9          | Panasonic P2 AG HPG 20                     | Panasonic PTZ Cameras                         |
| BlackMagic: DaVinci Resolve Studio | Sony XDCAM EX (SxS Cards): SBAC-US10/20/30 | Ikegami Gfpack                                |
| Autodesk: Flame                    | Sony XDCAM EX (SxS Cards): SBAC-UT100      | JVC AVC HD camera models                      |
| Stream                             | Sony XDCAM EX (SxS Cards): MRW E-80        | LUMIX DC-S1H                                  |
| Newtek NDI                         | Sony XDCAM EX (SxS Cards): MRW E-90        | NewTek PTZ3 UHD Camera                        |
| Haivision SRT                      | Sony Disc Reader: PDW-U1                   | NewTek PTZ3 Camera                            |
| Zixi                               | Sony Disc Reader: PDW-U2                   | RED Digital Cinema                            |
| VTR Decks                          | Peripheral Devices                         | GOPRO   |
| XDCAM HD: Disc PDW 1500            | Countour Shuttle Pro V2                    | Social Media                                  |
| XDCAM HD: Disc PDW HD1500          | Elgato Stream Deck                         | Facebook                                      |
| XDCAM HD: Disc PDW F70             | Archive                                    | Twitch  |
| XDCAM Station (XDS1000)            | Archiware P5                               | X (Twitter)                                   |
| Structures                         | Audio                                      | YouTube                                       |
| XAVC Structures                    | Dante *Negotiated separately               | Vimeo   |

Server Options

| Features     |                        |                           | Specs                              |  |
|--------------|------------------------|---------------------------|------------------------------------|--|
| System       | Platform               |                           | Densu 2U                           |  |
|              | Video IO               |                           | 2x DeckLink miniDuo2               |  |
|              | Operating System Drive |                           | 480GB                              |  |
|              | Operating System       |                           | Windows 10 Enterprise (LTSC)       |  |
|              | Drive Bay              |                           | 4x Trayless Bay 2,5" 7mm           |  |
| Connectivity | Networking             | 1Gb Ethernet Port         | 2                                  |  |
|              |                        | 2.5Gb Ethernet Port       | 2                                  |  |
|              | Video                  | Display Port              | 2                                  |  |
|              |                        | HDMI                      | 2                                  |  |
|              | USB                    | 2.0                       | 4                                  |  |
|              |                        | 3.0                       | 8                                  |  |
|              | HD BNC I/O             |                           | 8                                  |  |
|              | Ref. In                |                           | 2                                  |  |
|              | Live IP Port**         |                           | 2                                  |  |
|              | LTC Input              |                           | 2                                  |  |
|              | Audio Output           |                           | 2                                  |  |
|              | Breakout Connector     |                           | 2                                  |  |
|              | Power Requirements     |                           | Dual 300W                          |  |
| Other        | Breakout Cable         | RS422                     | 8                                  |  |
|              |                        | GPO branch with 4 outputs | 2                                  |  |
|              |                        | GPI branch with 4 inputs  | 2                                  |  |
|              | Dimensions & Weight    |                           | 2RU, 245x484x89mm (D, W, H), ~13Kg |  |
|              | Delivery Packaging     |                           | 580x380x250mm (D, W, H), ~14Kg     |  |
|              | Temperature            | Continuous Operation      | 10°C to 32°C (50°F to 89.6°F)      |  |
|              |                        | Power Cable               | 2x C13 to C14                      |  |
|              | What is Included       | Other                     | 4x rack mount screws               |  |

\*\* Not included by default

# Concurrent Media Operations

With mDECK Densu tl, it is possible to run different media operations simultaneously, thus guaranteeing a universe of distinct arrangements to meet the challenging day-to-day activities of media production companies.

Media operations include recording, playback, and file preview.

mDECK Densu tl supports up to 3 media operations per node at the same time. Within this margin, you can combine the operations shown in the table below:

| Concurrent Media Operations    |                                 |                       |
|--------------------------------|---------------------------------|-----------------------|
| Record                         | Playback                        | File Preview          |
| Up to 2 live channels per node | Up to 1 playback files per node | Up to 5 files preview |

## Product

| Part Number | Product        | Description   |
|-------------|----------------|---|
| mddntl      | mDECK Densu tl | Compact dual-node deck appliance with support for XDCAM and P2 structures of up to 3 combined media operations per node |

## Available Options

Choose from the products below to customize the mDECK Densu tl according to your business rules.

### Add-ons

Output option to complement your workflows.

| Part Number | Product     | Description                        |
|-------------|-------------|------------------------------------|
| s2ioiplk    | IP live kit | IP media production infrastructure |

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

Contact our sales team at [sales@mog-technologies.com](mailto:sales@mog-technologies.com) to find out how to purchase or in case you need more information.

**Disclaimer:** the data and information contained in this document is representative and may be incomplete. If in doubt, please contact our sales team at [sales@mog-technologies.com](mailto:sales@mog-technologies.com). The information contained in this document is not to be construed as a warranty, express or implied, including, but not limited to, a warranty of merchantability or fitness for a particular purpose. In no event will MOG be liable for any incidental or consequential damages resulting from the use, misuse, or inability to use the product. This exclusion applies regardless of whether such damages are sought on the basis of breach of warranty, breach of contract, negligence, strict liability in tort or any other legal theory. Contact our sales team at [sales@mog-technologies.com](mailto:sales@mog-technologies.com) to find out how to purchase or in case you need more information.