



mPLAY Densu io



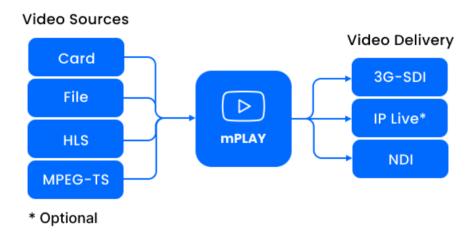
Overview

mPLAY Densu io is an outstanding IP/SDI monitoring and playout dual-node compact appliance that simultaneously supports playing all kinds of media files in FHD, IP Live, and NDI.

It provides you with an agnostic real-time playback system to ensure a straightforward quality control process and allows the user to playback and reviews a wide range of file-based content with broadcast quality across all platforms and channels.

It supports simultaneous media operations that can be a combination of playout, file preview, live switching, and even intercom between different users.

Additionally, it has a redundant power supply with the option for local storage of 6 or 12TB and can be pre-configured to support IP Live workflows.



Highlights

- File playback multiple simultaneous operations: composition play, loop playback, instant play, schedule play, remote preview
- Playlist management: add clips, remove clips, reorder clips, export playlist, loop play
- Full featured local and remote user interface (includes quick control through touch screen)
- Operation modes: manual, scheduled, and automatic
- Overlays: clip-name and port-name
- Local and remote preview of the playing video
- mSWITCH Remote live switching and composing
- mTALK Audio communication between users

Specially Designed For

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

- Mobile Studios/OB Vans
- Post-Production
- Broadcast/Digital News
- System Integrators/Rentals



mPLAY

Features

Multiple LIVE and simultaneous records

Stream with Closed Captions

Deck control through Serial Ports

Operation modes

Automatic

Manual

Scheduled

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

Features

Asset Selection -View the total duration of the selected assets

Configure the asset's preview duration

Asset Selection - Add Numeric Input

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)

PCM 96KHz support

Playout audio only streams

MPEG-4 Audio (M4A) audio format as output

Ability to mute proxy on the output

Close captions

CEA/EIA - 608

Locators

Create locators with shortcut keys

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

Send locators instantly to Playout

Preserve Metadata Enhancement locators created by an Automatic Job

Scheduler (Calendar View)

Schedule a Playout operation

Edit individual events

Allow editing of settings for each occurrence/repetition

Set the number of an event's repetitions

Placeholder when editing an occurrence name

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

Visualize scheduled events in a List View

Export activity events

Scheduler (Playout Grid View) - Unifies in a single rollout view all Playout activities *Optional

Grid View for Playout

Crash Playout directly from the Grid View

Loop a playlist

Schedule Clip Lists to be Played out





Features

Adjust to a desired Time Zone

Ability to set a pre-determined number of repetitions

Trigger Playout events (Any day, On Working Days or only on Weekends)

File playback

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

Timecode and metadata overlaying on SDI out

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

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)

Preview - Possibility to change the playback speed by multiplier factors

Read Metadata Timecode Package (Auto / Material Package / Source Package)

Playout

Playout Preparation

Build playlists in a Playlist Builder widget

Create multiple Playlists

Allow configuring playout clip action while preparing the playlist

Support visual separators for rPlayout playlists

Drag and Drop clips to the player for media preparation

Support insertion of Timecodes without separators ":" in the playlist builder

Use both types of TC (Relative and Absolute) for Mark-ins and mark-out at playlist builder

Trim clips to be included in the Playlist

Editable timecodes of the in and out points

Re-arrange clips order

Duplicate Edit Decision Lists

Export Edit Decision Lists

Playout Control

Edit playlist on the fly and while playing

Playlist countdown and clip countdown

File and clip list progress bars

Playout Capture streams through SDI and native window

Queue clip on the playlist

Queue on first frame and last frame

Queue on first frame the first clip of the playlist

Bypass action for playout clips





Features

Pause Playlist

Playout to stream

Thumbnail preview of the current clip on the playlist and its remaining time until Playout of the next clip

On Air - current loaded playlist name

Loop a playlist

Loop one or more assets in the playlist

Drag and Drop Clip List entries in Playout Control

Multi-channel playout capability

Schedule Playout

Choose between Playout Services available - rPlayerSDI or CasparCG

Mini control bar for use with Playout Control

Keyboard shortcuts for playout control and associated WEB player

Autoplay option

As Run Log's containing Date, Time, Clip name, Time Code In, and Time Code Out

Prepare the Playout clip actions while preparing the playlist

Analytics

Integrate with Google Analytics and Tag Manager

Enable or disable Analytics

Keep track of menu events

Receive video metrics

Keep track of Job Control widget's events

Keep track of Asset Explorer widget's events

Improved security

Support for Windows UAC

Support for HTTP/HTTPS Ingress

HTTPS (Hypertext Transfer Protocol Secure) for REST API

Secure login

User Impersonation

Token based authentication

Two-factor authentication

Remote services, system restart, and settings recovery features

Opt to "Keep me signed in"

Send a User Verification through email

Configurable password visibility in logs

Orchestration

Orchestration View for output workflows

Services Menu that eases Group and Cluser Configurarion while displaying running servicers per node

Hardware acceleration *If Hardware is installed or available

Nvidia Nvenc

General Purpose IN/OUT

GPI triggers supported

GPO triggers supported

Additional Highlights

REST API - allows interaction with RESTful web services

Notify user upon connection lost with the Server

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

Configurable quality and target latency of the preview stream

Logging - 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





| Features Features |
|---|
| 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 |
| 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 |
|--------|--|
| | Plain Files or Structures |
| | ARRI ALEXA Cameras |
| | BlackMagic Cameras |
| | Avid Files |
| | Avid Media Files (standalone or Nexis/ISIS) |
| | Avid Sequences (master clips and rendered sequences) |
| OnPrem | 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-XPD1E / AU-XPD3EJ |
| | Multi Clip/Spanned XDCAM/XAVC/XDCAM-EX Structure |





| | Inputs |
|--------|--|
| | 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, PDW-U4) |
| | XAVC Structures |
| | DJI (Camera Drones) |
| | HLS Structures |
| | MPEG-TS Structures |
| | MOG Package |
| | Network |
| | XDCAM Network |
| | P2 Network |
| | ARRI RAW Network |
| | Ikegami Network |
| 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 |
| | Netapp |
| | Social Media |
| | Facebook |
| | X (Twitter) |
| | Vimeo |
| | YouTube |
| | Professional Cloud Storages |
| | Adobe Creative Cloud |
| | Amazon S3 Glacier |
| | Microsoft Azure Storage |
| Cloud | 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 Live Inputs

| | Inputs |
|------|---|
| | Streams |
| | HLS |
| | MPEG-TS |
| | IP Live *Optional |
| Live | 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 |
|------|---|
| | SD/HD/FHD-SDI |
| | SD-SDI (SMPTE 259M) |
| | 3G-SDI (SMPTE 292M, SMPTE296M, SMPTE372M, SMPTE425M) |
| | Support for 8, 10 and 12 bits |
| Live | Streams |
| Live | NewTek NDI |
| | IP Live *Optional |
| | ST2022-7 |
| | ST2110-10, ST2110-20, ST2110-21, ST2110-30, ST2110-31 |
| | ST2110-40 |

Formats

Input Formats

| RRI ARRIRAW lackmagic RAW lightal Cinema Packages (DCP) lightal Picture Exchange (DPX) ED Dightal Cinema MX 30/40/50 Mbps MFEG2 LGOP 18/25/35 Mbps 4:2:0 MFEG2 LGOP 18/25/35 Mbps 4:2:0 MFEG2 LGOP 242 50 Mbps MFEG2 LGOP 242 50 Mbps MFEG2 LGOP 422 50 Mbps MFEG2 LGOP 425 50 Mbps MFEG2 LGOP 425 50 Mbps MFEG3 LGOP 425 Mbps MVC Intra 50 /100 Mbps MVC Intra 100 Mbps Intra 100 Mbps | Input Video Formats |
|--|---|
| Illackmagic RAW | · |
| Digital Picture Exchange (DPX) Digital Picture Exchange (DPX) | |
| Digital Picture Exchange (DPX) ED Digital Cinema | · |
| EED Digital Cinema WX 30/40/150 Mbps PRE62 LGOP 18/25/35 Mbps 4:2:0 PRE62 LGOP 18/25/35 Mbps 4:2:2 PRE62 LGOP 18/25/35 Mbps PRE62 LGOP 422 50 Mbps PRE62 LGOP 420 FULL) 35 Mbps PRE62 LGOP 420 (FULL) 35 Mbps WCAM 25 Mbps WCAM 25 Mbps WCAM 25 Mbps WC 1000 Mbps High Profile Web 1000 Mbps WC 1000 Mbps WC 1000 Mbps WC 1000 Mbps High Profile (Live) WEB 1000 Mbps WC 1000 Mbps WC 1000 Mbps High Profile (Live) WEB 1000 Mbps | |
| WX 30/40/50 Mbps PEG2 LGOP 18/25/35 Mbps 4:2:0 PEG2 LGOP 422 50 Mbps PEG2 LGOP 422 50 Mbps PEG2 LGOP 420 1440x1080 35 Mbps PEG2 LGOP 420 1440x1080 35 Mbps PEG2 LGOP 420 (FULL) 35 Mbps AVC LGOP 420 (FULL) 35 Mbps AVC LOP 25 / 35 / 50 Mbps AVC LOP 25 / 50 Mbps AVC LOP | |
| MPEG2 LGOP 18/25/35 Mbps 4:2:0 MPEG2 LGOP 422 50 Mbps MPEG2 LGOP 420 1440x1080 35 Mbps MPEG2 LGOP 420 (FULL) 35 Mbps MPEG2 LGOP 420 (FULL) 35 Mbps MPEG3 LGOP 420 (FULL) 35 Mbps MPEG3 LGOP 420 (FULL) 35 Mbps MPEG3 LGOP 420 (FULL) 35 Mbps MVCAM 25 Mbps MVCAM 25/50 Mbps / DVCPRO HD 100 Mbps MVC-Ntra 50/100 Mbps MVC-Intra 200 | · |
| ### ### ### ### ### ### ### ### ### ## | · |
| MPEG2 LGOP 422 50 Mbps MPEG2 LGOP 420 1440x1080 35 Mbps MPEG2 LGOP 420 (FULL) 35 Mbps MPEG2 LGOP 420 (FULL) 35 Mbps MVCAM 25 Mbps MVC LGOP 25 / 35 / 50 Mbps MVC LGOP 25 / 35 / 50 Mbps MVC LGOP 25 / 35 / 50 Mbps MVC-Intra 50 / 100 Mbps MVC-Intra 50 / 100 Mbps MVC-Intra 50 / 100 Mbps MVC-Intra 200 M | · |
| MPEG2 LGOP 420 (1440x1080 35 Mbps MPEG2 LGOP 420 (FULL) 35 Mbps MVCAM 25 Mbps MVC Intra 50 / 100 Mbps MVC LGOP 25 / 35 / 50 Mbps / DVCPRO HD 100 Mbps MVC-Intra 200 Mbps MVC-Intra 2 | |
| MPEG2 LGOP 420 (FULL) 35 Mbps AVC Intra 50 / 100 Mbps AVC Intra 200 Mbps AVC I | |
| AVC LGDP 25 / 35 / 50 Mbps AVC LGDP 25 / 50 Mbps / DVCPRO HD 100 Mbps AVC LITRE 25 / 50 Mbps / DVCPRO HD 100 Mbps AVC LITRE 25 / 50 Mbps AVC LITRE 25 / 50 Mbps AVC LITRE 26 / 50 Mbps AVC LITRE 2 | · |
| AVC Intra 50 / 100 Mbps AVC Intra (LGOP 6 / 12 / 25 / 50 Mbps) AVC Intra (LGOP 6 / 12 / 25 / 50 Mbps) AVC Intra (LGOP 6 / 12 / 25 / 50 Mbps) AVC Intra (LGOP 6 / 12 / 25 / 50 Mbps) AVC Intra (LGOP 6 / 12 / 25 / 50 Mbps) AVC Intra (LGOP 6 / 12 / 25 / 50 Mbps) AVC Intra (LGOP 6 / 12 / 50 Mbps | · |
| AVC LGOP 25 / 35 / 50 Mbps / DVCPRO HD 100 Mbps / DVCPRO 25/50 Mbps / DVCPRO HD 100 Mbps / DVCPRO 25/50 Mbps / DVCPRO HD 100 Mbps Hgh Profile / DVCPRO HD 100 Mbps High Profile / DVCPRO Hgh High Profile (Live) / DVCPRO H | · |
| AVCPRO 25/50 Mbps / DVCPRO HD 100 Mbps AVC-Intra 50/100 Mbps AVC-Intra 50/100 Mbps AVC-Intra 200 Mbps AVC-Intra (LGOP 6/12/25/50 Mbps) AVC Ultra (LGOP 6/12/25/50 Mbps) AVEX HD (SQ/HQ/HCX/LB) AVEX HD (SQ/HCX/HCX/LB) AVEX HD (SQ/HCX/HCX/HCX/LB) AVEX HD (SQ/HCX/HCX/LB) AVEX HD (SQ/HCX/HCX/HCX/HCX/HCX/HCX/HCX/HCX/HCX/HCX | |
| NCC-Intra 200 Mbps NCC-Intra 200 | |
| NVC-Intra 200 Mbps NVC Ultra (LGOP 6/12/25/50 Mbps) NVHD (SQ/HQ/HQX/LB) 1.264 1080p 8 - 12 Mbps High Profile 1.264 720p 5 - 7.5 Mbps High Profile 1.264 380p 1 - 1.5 Mbps High Profile 1.264 380p 1 - 1.5 Mbps High Profile 1.264 1080p 3 - 9 Mbps High Profile (Live) 1.264 480p 0.3 - 0 Mbps High Profile (Live) 1.264 480p 0.5 - 2.0 Mbps High Profile (Live) 1.264 240p 0.3 - 0.7 Mbps High Profile (Live) 1.264 240p 0.3 - 0.7 Mbps High Profile (Live) 1.264 240p 0.3 - 0.7 Mbps High Profile (Live) 1.264 110 Mbps 1.265 HEVC 10 Mbps LGOP 1.265/HEVC 25 Mbps LGOP 1.265/HEVC 25 Mbps LGOP 1.265/HEVC 100 Mbps LGOP | |
| NCV Ultra (LGOP 6/12/25/50 Mbps) NXHD (SQ/HQ/HQX/LB) 1.264 1080p 8 - 12 Mbps High Profile 1.264 720p 5 - 7.5 Mbps High Profile 1.264 480p 2.5 - 4 Mbps High Profile 1.264 380p 1 - 1.5 Mbps High Profile 1.264 1080p 3 - 9 Mbps High Profile 1.264 1080p 3 - 9 Mbps High Profile (Live) 1.264 720p 1.5 - 6 Mbps High Profile (Live) 1.264 720p 1.5 - 6 Mbps High Profile (Live) 1.264 480p 0.5 - 2.0 Mbps High Profile (Live) 1.264 480p 0.5 - 2.0 Mbps High Profile (Live) 1.264 480p 0.3 - 0.7 Mbps High Profile (Live) 1.264 240p 0.3 - 0.7 Mbps High Profile (Live) 1.265 4L10 10 Mbps 1.265/HEVC 10 Mbps LGOP 1.265/HEVC 25 Mbps LGOP 1.265/HEVC 50 Mbps LGOP 1.265/HEVC 50 Mbps LGOP 1.265/HEVC 100 Mbps LGOP | |
| 1.264 1080p 8 - 12 Mbps High Profile 1.264 720p 5 - 7.5 Mbps High Profile 1.264 480p 2.5 - 4 Mbps High Profile 1.264 360p 1 - 1.5 Mbps High Profile 1.264 1080p 3 - 9 Mbps High Profile (Live) 1.264 720p 1.5 - 6 Mbps High Profile (Live) 1.264 200p 1.5 - 6 Mbps High Profile (Live) 1.264 360p 0.5 - 2.0 Mbps High Profile (Live) 1.264 360p 0.4 - 1.0 Mbps High Profile (Live) 1.264 360p 0.4 - 1.0 Mbps High Profile (Live) 1.264 240p 0.3 - 0.7 Mbps High Profile (Live) 1.264 10 10 Mbps 1.264 L10 10 Mbps 1.264 MOG 1Mbps 1.265/HEVC 10 Mbps LGOP 1.265/HEVC 25 Mbps LGOP 1.265/HEVC 50 Mbps LGOP 1.265/HEVC 50 Mbps LGOP 1.265/HEVC 100 Mbps LGOP | · |
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| A.264 MOG 1Mbps A.265/HEVC 10 Mbps LGOP A.265/HEVC 25 Mbps LGOP A.265/HEVC 50 Mbps LGOP A.265/HEVC 100 Mbps LGOP A.265/HEVC 100 Mbps LGOP APEG-5 EVC Baseline Profile APEG-5 EVC Main Profile APEG VVC/H266 Main Profile | |
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| MPEG-5 EVC Baseline Profile MPEG-5 EVC Main Profile MPEG VVC/H266 Main Profile | |
| MPEG-5 EVC Main Profile MPEG VVC/H266 Main Profile | H.265/HEVC 100 Mbps LGOP |
| MPEG VVC/H266 Main Profile | |
| | MPEG-5 EVC Main Profile |
| ProRes 422 (SQ/HQ/LT) | |
| | ProRes 422 (SQ/HQ/LT) |
| | JPEG 2000 (Full HD) |
| | Google® VP6 / VP7 / VP8 / VP9 (Full HD) |
| Incompressed UYVY 422 / V210 / RGBA | Uncompressed UYVY 422 / V210 / RGBA |
| | AOMedia Video 1 (Full HD) |
| MF (JPEG 2000 @ Full HD) | IMF (JPEG 2000 @ Full HD) |





Product Integrations

| Storage | Professional Cloud Storages | Cameras | Social Media |
|-------------------------------------|----------------------------------|------------------------------|-------------------------|
| AVID ISIS Storage | Adobe Creative Cloud | Canon (DSLR5D, DSLR 7D) | Facebook |
| AVID Nexis Storage | Amazon EC2 | Canon (DSLR C300, DSLR C100) | Twitch |
| Avid UnityTM MediaNetwork | Amazon S3 | ARRI Alexa XT (ARRIRAW) | X (Twitter) |
| Dynamic Drive Pool SAN Storage | Amazon S3 Glacier | Panasonic AU-EVA1 | YouTube |
| Facilis Terrablock | Microsoft Azure Storage | Panasonic GH5 Cameras | Vimeo |
| Harmonic MediaGrid | Microsoft Azure Virtual Machines | Panasonic CX350 HEVC | Peripheral Devices |
| Quantum: Storenext | Tencent: Cloud Storage | Ikegami Gfpack | Countour Shuttle Pro V2 |
| Scalelogic: NX2 & ZX NAS Storage | Lucidlink Cloud NAS | JVC AVC HD camera models | Elgato Stream Deck |
| Editshare EFS | Google Cloud Storage | LUMIX DC-S1H | Stream |
| EMC: Isilon | IBM Cloud Object Storage | RED Digital Cinema | Newtek NDI |
| QNAP | Generic S3 | GOPRO | Haivision SRT |
| Studio Network Solutions: EVO | Hypervisors | | |
| Oracle Storage | Microsoft HyperV | | |
| Netapp | VMWare ESX | | |

Server Options

| | · | | | | |
|--------------|-------------------------|-----------------------------|------------------------------------|--|--|
| | | tures | Specs | | |
| System | Platform | | Densu 2U | | |
| | Video IO | | 2x DeckLink miniDuo2 | | |
| | Storage Drive | | 6TB or 12TB SSD** | | |
| Ø. | Operating System Drive | | 480GB | | |
| | Operating System | | Windows 10 Enterprise (LTSC) | | |
| | Networking | 1Gb Ethernet Port | 2 | | |
| | Networking | 2.5Gb Ethernet Port | 2 | | |
| | Video | Display Port | 2 | | |
| | Video | HDMI | 2 | | |
| | USB | 2.0 | 4 | | |
| tivit | 036 | 3.0 | 8 | | |
| Connectivity | HD BNC Out | | 8 | | |
| II O | Ref. In | | 2 | | |
| 0 | Live IP Port** | | 2 | | |
| | LTC Input | | 2 | | |
| | Audio Output | | 2 | | |
| | Breakout Connector | | 2 | | |
| | Power Requirements | | Dual 300W | | |
| | | RS422 | 8 | | |
| | Breakout Cable | GPO branch with 4 outputs | 2 | | |
| | | GPI branch with 4 inputs | 2 | | |
| | Dimensions & Weight | | 2RU, 245x484x89mm (D, W, H), ~14Kg | | |
| | Delivery Packaging | | 580x380x250mm (D, W, H), ~15Kg | | |
| Other | Temperature | Storage** | -40°C to 65°C (-40°F to 149°F) | | |
| otto | | Continuous Operation | 10°C to 32°C (50°F to 89.6°F) | | |
| | Marie and a fee dead of | Power Cable | 2x C13 to C14 | | |
| | What is Included | Other | 4x rack mount screws | | |
| | | | | | |

^{**} Not included by default

Concurrent Media Operations

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

Media operations include playback, file preview, live channel switching, and intercom.

mPLAY Densu io supports up to 5 media operations per node at the same time. Within this margin, you can combine the operations shown in the table below:

| Concurrent Media Operations | | | |
|---------------------------------|-----------------------|-------------------|-------------------|
| Playback | File Preview | Live Switch | Intercom |
| Up to 4 playback files per node | Up to 5 files preview | Up to 1 operation | Up to 1 operation |







| Part Number | Product | Description |
|-------------|----------------|--|
| mpio | mPLAY Densu io | Compact dual-node file playout appliance of up to 4 combined media operations per node |

Available Options

Choose from the products below to customize the mPLAY Densu io according to your business rules.

Production Tools

Tool for workflow orchestration.



mPI AN

Setup scheduled events not only from the standard scheduler but through a unique roll out view interface. 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.

| Part Number | Product | Description | |
|-------------|---------|--|--|
| mpla8c | mPLAN | Scheduler & Router Control of up to 8 channels | |

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

Add-ons

Output options 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.

Storage

Option for local storage.

| Part Number | Description |
|-------------|---------------------|
| r2ssd6x1 | 6TB of SSD storage |
| r2ssd6x2 | 12TB of SSD storage |

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

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