

mediaREC Densu Series

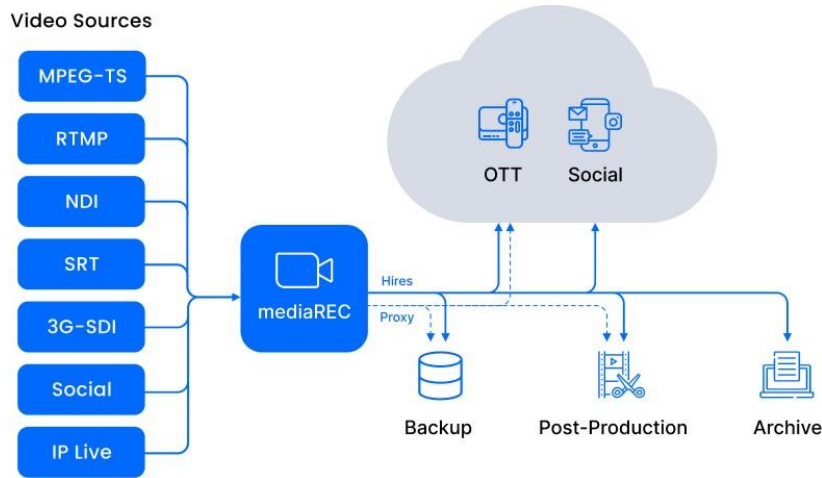


Overview

mediaREC Densu Series is a compact cost-effective appliance for IP Live and 3G-SDI that can support FHD/HD/SD video gateways to record in different file formats.

A single node configuration records two 3G-SDI channels and a dual node configuration records four 3G-SDI channels.

Note: IP Live is only available for the I models.



Highlights

- Baseband Ingest - multiple simultaneous records
 - Multicamera recording
 - Loop recording
 - Crash recording
 - Schedule recording
 - Batch recording
- Gateway for multiple destinations of any storage, NAS or SAN
- Full-featured local and remote user interface
- Multi-configuration metadata management
- Flexible file naming engine
- Enable edit while ingest
- Burnt-in options: text, timecode, overlays (images and videos), and LUT

Models



Features

Features	A - A-2	E - E-2	D - D-2	X - X-2	I - I-2
Timecode support	✓	✓	✓	✓	✓
LTC (SMPTE 12M)	✓	✓	✓	✓	✓
VITC (SMPTE RP188)	✓	✓	✓	✓	✓
Time of Day	✓	✓	✓	✓	✓
From VTR (BVW) - Serial	✓	✓	✓	✓	✓
Multiple LIVE and simultaneous records	✓	✓	✓	✓	✓
Crash Record operations	✓	✓	✓	✓	✓
Gang Capture operations	✓	✓	✓	✓	✓
Independent workflow selection in Gang Captures	✓	✓	✓	✓	✓
Unique workflow for gang captures while using clipnaming with counters	✓	✓	✓	✓	✓
Synchronized gang captures	✓	✓	✓	✓	✓
Frame Chase editing	✓	✓	✓	✓	✓
Unlimited capture duration support	✓	✓	✓	✓	✓
Loop record support	✓	✓	✓	✓	✓
Extend playlist maximum duration in Loop Record workflows	✓	✓	✓	✓	✓
Perform Loop record captures trough automatic jobs	✓	✓	✓	✓	✓
Growing files support	✓	✓	✓	✓	✓
Growing file support for Grassvalley Edius WorkGroup v.9 and X	✓	✓	✓	✓	✓
Growing XDCAM MXF OP1a file support on Avid Media Composer *required Nablet AMA Plugin	✓			✓	
Continuous recording support	✓	✓	✓	✓	✓
Recording timer for captures	✓	✓	✓	✓	✓
Abort or force stop a capture or a stream	✓	✓	✓	✓	✓
Frame rate conversion option on Capture workflows	✓	✓	✓	✓	✓
High Dynamic Range (HDR) support - HLG (arib std-b67) / PQ (SMPTE 2084)	✓	✓	✓	✓	✓
High Frame Rate (HFR) up to 120fps (ST2081-10, ST2081-11, ST2082-10, ST2082-11 and ST2082-30)	✓	✓	✓	✓	✓
Generate XML sidecars with WAV file as output while recording	✓	✓	✓	✓	✓
Perform "Run after completion" scripts	✓	✓	✓	✓	✓
Live Probing option	✓	✓	✓	✓	✓
Stream Closed Captions	✓	✓	✓	✓	✓
Edit a Workflow directly from the Player	✓	✓	✓	✓	✓
Option to start timecode recording from 00:00:00:00	✓	✓	✓	✓	✓
Export MOG playlist (.XML Sidecar containing information about the chunks of the recorded media)	✓	✓	✓	✓	✓
Batch record support	✓	✓	✓	✓	✓
Deck control through Serial Ports	✓	✓	✓	✓	✓
Pre-roll and post-roll options	✓	✓	✓	✓	✓
LiveU NewsML batch capture	✓	✓	✓	✓	✓
LiveU NewsML metadata import	✓	✓	✓	✓	✓
LiveU NewsML - support XML from devices (Live U, Android and iPhone)	✓	✓	✓	✓	✓
LiveU include subfolder browse	✓	✓	✓	✓	✓
Operation modes	✓	✓	✓	✓	✓
Automatic	✓	✓	✓	✓	✓
Manual	✓	✓	✓	✓	✓
Scheduled	✓	✓	✓	✓	✓
Clipnaming	✓	✓	✓	✓	✓
Clipnaming based under metadata profiles	✓	✓	✓	✓	✓
Drag and Drop support	✓	✓	✓	✓	✓
Restore auto numbering on capture abort in naming templates	✓	✓	✓	✓	✓
Time Zone Support when the "CreationDate" field is selected	✓	✓	✓	✓	✓
Support to append "_p" to proxy clip names	✓	✓	✓	✓	✓
Field numeric representation of the day of the week	✓	✓	✓	✓	✓
Multi-Configuration metadata management and enrichment	✓	✓	✓	✓	✓
Logging - Human readable information on Services logs	✓	✓	✓	✓	✓
Metadata management	✓	✓	✓	✓	✓
Metadata generation on capture operations	✓	✓	✓	✓	✓
Metadata fields - prevent overwrite	✓	✓	✓	✓	✓
Protection of metadata fields	✓	✓	✓	✓	✓
Delete custom metadata	✓	✓	✓	✓	✓
Edit group clip 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	✓	✓	✓	✓	✓
Send metadata to Gang Captures	✓	✓	✓	✓	✓
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 MediaCentral/Interplay using AMT-3 library	✓	✓	✓	✓	✓
Ability to rename media in Interplay after capture began	✓	✓	✓	✓	✓

Features	A - A-2	E - E-2	D - D-2	X - X-2	I - I-2
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	✓	✓	✓	✓	✓
Find immediately and learn everything about any asset	✓	✓	✓	✓	✓
Asset Explorer - Extraction of thumbnails and posters while indexing	✓	✓	✓	✓	✓
Asset Explorer - Playable thumbnails	✓	✓	✓	✓	✓
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)	✓	✓	✓	✓	✓
Independent audio encoder for hires and proxy	✓	✓	✓	✓	✓
Individual audio mapping by output target	✓	✓	✓	✓	✓
Record audio only streams	✓	✓	✓	✓	✓
Playout audio only streams	✓	✓	✓	✓	✓
Audio downmixing & upmixing	✓	✓	✓	✓	✓
External audio files support (.WAV)	✓	✓	✓	✓	✓
Mute proxy option in output	✓	✓	✓	✓	✓
Close captions	✓	✓	✓	✓	✓
CEA/EIA - 608	✓	✓	✓	✓	✓
Add sidecar - SubRip (SRT)	✓	✓	✓	✓	✓
Add sidecar - Fragmented WebVTT	✓	✓	✓	✓	✓
Add sidecar - ISMT/CMFT subtitles	✓	✓	✓	✓	✓
Support DVB-S captions in streams	✓	✓	✓	✓	✓
Support captioning for OTT (CMFT, SubRip, and WebVTT)	✓	✓	✓	✓	✓
Stream Closed Captions	✓	✓	✓	✓	✓
Locators	✓	✓	✓	✓	✓
Create locators with shortcut keys	✓	✓	✓	✓	✓
Edit locators description	✓	✓	✓	✓	✓
Insertion and viewing	✓	✓	✓	✓	✓
Action fields creation and customization	✓	✓	✓	✓	✓
Comments insertion in a markers widget tab	✓	✓	✓	✓	✓
Order asset locators by timecode	✓	✓	✓	✓	✓
Absolute timecode for source locators	✓	✓	✓	✓	✓
Support for locators with AMT captures	✓	✓	✓	✓	✓
Send locators to gang captures	✓	✓	✓	✓	✓
Send locators to playout	✓	✓	✓	✓	✓
Scheduler (Calendar View)	✓	✓	✓	✓	✓
Scheduled Record	✓	✓	✓	✓	✓
Support for editing of scheduler individual events	✓	✓	✓	✓	✓
Record scheduled clips option	✓	✓	✓	✓	✓
Check collision between events with repetitions	✓	✓	✓	✓	✓
Allow editing of settings for each occurrence/repetition	✓	✓	✓	✓	✓
Placeholder when editing occurrence name	✓	✓	✓	✓	✓
Able to perform captures from MOG S1000	✓	✓	✓	✓	✓
Able to perform captures from Airspeed 5000	✓	✓	✓	✓	✓
Able to perform captures from Softron MovieRecorder	✓	✓	✓	✓	✓
Enable field event name as Interplay clipname by default	✓	✓	✓	✓	✓
Pre-set naming templates	✓	✓	✓	✓	✓
Independent targets and multiple outputs	✓	✓	✓	✓	✓
Capability to set a maximum capture duration	✓	✓	✓	✓	✓
Configurable number of iterations when using maximum capture duration	✓	✓	✓	✓	✓
Use Interplay clip name as event name on crash record events	✓	✓	✓	✓	✓
Pre-roll and post-roll options for scheduled events	✓	✓	✓	✓	✓
Availability to configure the number of events repetitions	✓	✓	✓	✓	✓
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	✓	✓	✓	✓	✓
Ability to edit Start Time field after the first recording	✓	✓	✓	✓	✓
List View	✓	✓	✓	✓	✓
Option to start timecode recording from 00:00:00:00	✓	✓	✓	✓	✓
Export activity events	✓	✓	✓	✓	✓
Signal error detection and related recovery actions	✓	✓	✓	✓	✓
Signal error detection	✓	✓	✓	✓	✓
Drop frame detection	✓	✓	✓	✓	✓

Features	A - A-2	E - E-2	D - D-2	X - X-2	I - I-2
Timecode breaks support	✓	✓	✓	✓	✓
Configurable capture resume methodology	✓	✓	✓	✓	✓
Automatic streaming (headless) - Restart capture after stopping/crashing or rebooting	✓	✓	✓	✓	✓
Checksum media	✓	✓	✓	✓	✓
MD5 hash file	✓	✓	✓	✓	✓
Media hash list	✓	✓	✓	✓	✓
Live to Live	✓	✓	✓	✓	✓
Delete artifacts on abort	✓	✓	✓	✓	✓
Multiple resolutions check-in	✓	✓	✓	✓	✓
Support Time of Day in input streams (RTMP, MPEG-TS, RTP, SRT, RTSP, HLS, LLDASH, MSS, MPEG-DASH, CMAF)	✓	✓	✓	✓	✓
Variable Frame Rate Input	✓	✓	✓	✓	✓
Support IGMPv3 multicast	✓	✓	✓	✓	✓
MPEG-TS Support	✓	✓	✓	✓	✓
Capture of MPEG-Transport Streams	✓	✓	✓	✓	✓
Support of MPEG-TS program IDs	✓	✓	✓	✓	✓
NDI	✓	✓	✓	✓	✓
NDI audio and video synchronized mechanism	✓	✓	✓	✓	✓
NDI discovery mechanism	✓	✓	✓	✓	✓
Capture multiple NDI sources	✓	✓	✓	✓	✓
Time of day and embedded timecode options in NDI input	✓	✓	✓	✓	✓
RTMP	✓	✓	✓	✓	✓
RTMP recording with absolute timecode	✓	✓	✓	✓	✓
RTMP Push Mode in input and output	✓	✓	✓	✓	✓
RTMP Pull Mode in input and output	✓	✓	✓	✓	✓
Multiple audio channels in RTMP Output	✓	✓	✓	✓	✓
SRT	✓	✓	✓	✓	✓
Input / Output - Rendezvous mode	✓	✓	✓	✓	✓
Input - Listener mode	✓	✓	✓	✓	✓
Input / Output - SRT Stream ID Support	✓	✓	✓	✓	✓
Input / Output - Configurable Latency Settings	✓	✓	✓	✓	✓
Input / Output - Configurable Overhead Bandwidth	✓	✓	✓	✓	✓
Input / Output - Configurable Passphrase	✓	✓	✓	✓	✓
WebRTC	✓	✓	✓	✓	✓
mLIVE stream input	✓	✓	✓	✓	✓
VP8 Support	✓	✓	✓	✓	✓
VP9 Support	✓	✓	✓	✓	✓
File ingest	✓	✓	✓	✓	✓
IMF (Netflix Compliant) output metadata	✓	✓	✓	✓	✓
Burn-In Video options	✓	✓	✓	✓	✓
Graphic burn-in while recording	✓	✓	✓	✓	✓
Text (Position, Text color, Box Color, Font Size)	✓	✓	✓	✓	✓
Timecode (Position, Text color, Box Color, Font Size)	✓	✓	✓	✓	✓
Overlays support (images and videos positioning)	✓	✓	✓	✓	✓
LUT (Look-Up Table) - Save particular color grades as a template	✓	✓	✓	✓	✓
File playback	✓	✓	✓	✓	✓
Timecode and metadata overlaying on SDI out	✓	✓	✓	✓	✓
Playout	✓	✓	✓	✓	✓
Print to tape	✓	✓	✓	✓	✓
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	✓	✓	✓	✓	✓
Intercom	✓	✓	✓	✓	✓
InterCOM - Audio communication between Users	✓	✓	✓	✓	✓
interCOM - QR code implementation	✓	✓	✓	✓	✓
InterCOM - WebApp (requires Android smartphone)	✓	✓	✓	✓	✓
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	✓	✓	✓	✓	✓

Features	A - A-2	E - E-2	D - D-2	X - X-2	I - I-2
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	✓	✓	✓	✓	✓
"Keep me signed in" login option	✓	✓	✓	✓	✓
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	✓	✓	✓	✓	✓
Configurable quality and target latency of the preview stream	✓	✓	✓	✓	✓
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	✓	✓	✓	✓	✓
Possibility to remove quick edit button from Job Control widget	✓	✓	✓	✓	✓
Multiviewer	✓	✓	✓	✓	✓
Configurable quality and target latency of the preview stream	✓	✓	✓	✓	✓
Ability to control to up to 4 players in a single dashboard	✓	✓	✓	✓	✓

Technical Specifications

Resolutions

SD	HD
PAL / PAL 16:9 / PAL Plus	HD 720p 50 / 60 / 59.94
NTSC / NTSC 16:9	HD 1080p 23.98 / 24 / 25 / 29.97 / 30 / 50 / 59.94 / 60
	HD 1080i 50 / 59.94 / 60
	High Frame Rate
	HD 1080p 95.90 / 96 / 100
	HD 1080p 119.88 / 120

Supported Live Inputs

Inputs		A - A-2	E - E-2	D - D-2	X - X-2	I - I-2
Live	SD/HD/FHD-SDI	✓	✓	✓	✓	✓
	SD-SDI (SMPTE 259M)	✓	✓	✓	✓	✓
	3G-SDI (SMPTE 292M, SMPTE296M, SMPTE372M, SMPTE425M)	✓	✓	✓	✓	✓
	Streams	✓	✓	✓	✓	✓
	Facebook	✓	✓	✓	✓	✓
	Twitch	✓	✓	✓	✓	✓
	Twitter	✓	✓	✓	✓	✓
	YouTube	✓	✓	✓	✓	✓
	Vimeo	✓	✓	✓	✓	✓
	Video Content Hyperlinks	✓	✓	✓	✓	✓
	HLS	✓	✓	✓	✓	✓
	MPEG-TS	✓	✓	✓	✓	✓
	MPEG-DASH	✓	✓	✓	✓	✓
	RTMP	✓	✓	✓	✓	✓
	RTP	✓	✓	✓	✓	✓
	RTSP	✓	✓	✓	✓	✓
	NewTek NDI	✓	✓	✓	✓	✓
	UDP	✓	✓	✓	✓	✓
	Haivision SRT	✓	✓	✓	✓	✓
	WebRTC	✓	✓	✓	✓	✓
	IP Live*					✓
	ST2022-6					✓
	ST2022-7					✓
	ST2110-10, ST2110-20, ST2110-21, ST2110-30, ST2110-31					✓
	ST2110-40					✓

* Supported AMWA NMOS standards: IS-04, IS-05 and IS-08

Supported Live Outputs

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

Supported File Inputs

Inputs		A - A-2	E - E-2	D - D-2	X - X-2	I - I-2
OnPrem	XDCAM HD	✓	✓	✓	✓	✓
	Sony XDCAM HD: Disc (PDW-U1, PDW-U2)	✓	✓	✓	✓	✓
	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	✓	✓	✓	✓	✓

Supported File Outputs

Outputs		A - A-2	E - E-2	D - D-2	X - X-2	I - I-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	✓	✓	✓	✓	✓
	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	✓	✓	✓	✓	✓	

Formats

Output Formats

Output Formats	A - A-2	E - E-2	D - D-2	X - X-2	I - I-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.264 WebRTC Baseline	✓	✓			✓
H.265/HEVC LGOP 4:2:2	✓	✓			✓
H.265/HEVC 10 / 25 / 50 / 100 Mbps LGOP	✓	✓			✓
ProRes 422 (SQ/HQ/LT)	✓	✓			✓
Google® VP6 / VP7 / VP8	✓				✓

Proxy Formats

Proxy Formats	A - A-2	E - E-2	D - D-2	X - X-2	I - I-2
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	A - A-2	E - E-2	D - D-2	X - X-2	I - I-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	Stream	CDN's
Adobe Premiere Pro	CatDV MAM, PAM, DAM	Newtek NDI	Lumen
AVID Media Composer	eMAM Media Asset Management	Haivision SRT	Fastly
AVID Media Central UX	Telestream: Masstech	WebRTC mLIVE	Akamai Technologies
AVID Media Central Cloud UX	AVID Interplay	Consumer Cloud Storages	Microsoft Azure
Apple Final Cut Pro X	AVID Media Central UX	Dropbox	Cloudflare
Edius: Pro 8, Workgroup 9	AVID Media Central Cloud UX	Google Drive	Limelight Networks
BlackMagic: DaVinci Resolve Studio	AXLE MAM	Microsoft One Drive	Amazon CloudFront
Autodesk: Flame	Editshare Flow	Apple Cloud Drive	BootstrapCDN
Storage	MOG Vizzi	Peripheral Devices	StackPath
AVID ISIS Storage	Professional Cloud Storages	Countour Shuttle Pro V2	KeyCDN
AVID Nexis Storage	Adobe Creative Cloud	Elgato Stream Deck	Rackspace
Avid UnityTM MediaNetwork	Amazon EC2	Hypervisors	Alibaba Cloud Content Delivery Service
Dynamic Drive Pool SAN Storage	Amazon S3	Microsoft HyperV	CacheFly
Facilis Terrablock	Amazon S3 Glacier	VMWare ESX	Verizon
Harmonic MediaGrid	Microsoft Azure Storage	Social Media	
Quantum: Storenext	Microsoft Azure Virtual Machines	Facebook	
Scalelogic: NX2 & ZX NAS Storage	Tencent: Cloud Storage	Twitch	
Editshare EFS	Lucidlink Cloud NAS	Twitter	
EMC: Isilon	Google Cloud Storage	YouTube	
QNAP	IBM Cloud Object Storage	Vimeo	
Studio Network Solutions: EVO	VTR Decks		
Oracle Storage	XDCAM HD: Disc (PDW 1500, PDW HD1500, PDW F70)		
Netapp	XDCAM Station (XDS1000)		

Server Options

Features	Specs	A	A-2	E	E-2	D	D-2	X	X-2	I	I-2
Platform	Xpress 1U	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Video	miniDUO2	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Connectivity	2x 1Gb Eth, 4x RS422, 1x GPIO out, 1x GPIO in, 1x displayPort, 1x HDMI, 4x HD-BNC I/O, 1x Ref In, 1x LTC Input, 1x I/O breakout connector, 4x USB 3.0, 2x USB 2.0 and 1x audio out	✓		✓		✓		✓		✓	
	4x 1Gb Eth, 8x RS422, 2x GPIO out, 2x GPIO in, 2x displayPort, 2x HDMI, 8x HD-BNC I/O, 2x Ref In, 2x LTC Input, 2x I/O breakout connector, 8x USB 3.0, 4x USB 2.0 and 2x audio out		✓		✓		✓		✓		✓
	1x Full-duplex LC Fiber connector with SR 850nm Laser										✓
	2x Full-duplex LC Fiber connector with SR 850nm Laser										✓
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 and 1x breakout cable	✓		✓		✓		✓		✓	
	1x C13 to C14 power cord and 2x breakout cable		✓		✓		✓		✓		✓

Products

Part Number	Product	Description
mrpx1ua1	mediaREC Densu A	Single node dual HD video file record compact appliance
mrpx1ua2	mediaREC Densu A-2	Dual node dual HD video file record per node compact appliance
mrpx1ue1	mediaREC Densu E	Single node dual HD video file record compact appliance for DNxHD and ProRes formats
mrpx1ue2	mediaREC Densu E-2	Dual node dual HD video file record per node compact appliance for DNxHD and ProRes formats
mrpx1up1	mediaREC Densu D	Single node quad SD or dual HD video file record compact appliance for DVCPRO HD and AVC-Intra formats
mrpx1up2	mediaREC Densu D-2	Dual node quad SD or dual HD video file record per node compact appliance for DVCPRO HD and AVC-Intra formats
mrpx1ux1	mediaREC Densu X	Single node quad SD or dual HD video file record compact appliance for XDCAM HD formats
mrpx1ux2	mediaREC Densu X-2	Dual node quad SD or dual HD video file record per node compact appliance for XDCAM HD formats
mrpx1ui1	mediaREC Densu I	Single node dual HD video file record compact appliance with Live IP
mrpx1ui2	mediaREC Densu I-2	Dual node dual HD video file record compact appliance with Live IP

Available Options

Part Number		Options Description	Number of Maximum Operations*									
2 Operations	4 Operations		A	A-2	E	E-2	D	D-2	X	X-2	I	I-2
mrpa2o	mrpa4o	Proxy ACTIVATION	2	4	2	4	2	4	2	4	2	4
mrsa2o	mrsa4o	Social media sharing ACTIVATION	2	4	2	4	2	4	2	4	2	4
mroa2o	mroa4o	Generate multi resolutions and delivery to OTT	2	4	2	4	2	4	2	4	2	4
mprp2o	mprp4o	Remote preview of Avid files, OP1a files and QT files	2	4	2	4	2	4	2	4	2	4
mrpx2o	mrpx4o	MPEG codec ACTIVATION			2	4	2	4				
mrdrv2o	mrdrv4o	DV codec ACTIVATION			2	4			2	4		
mrxa2o	mrxa4o	XAVC codec ACTIVATION			2	4	2	4				
mraru2o	mraru4o	AVC Ultra codec ACTIVATION			2	4			2	4		

Part Number	Plugins Description	Number of Maximum Clients*									
		A	A-2	E	E-2	D	D-2	X	X-2	I	I-2
mrml	mLIVE - Option for webcam capture	4	8	4	8	4	8	4	8	4	8
mrmc	mCAPTURE - Option for screen capture	4	8	4	8	4	8	4	8	4	8
mrms	mSOCIAL - Option for Social capture and transference	4	8	4	8	4	8	4	8	4	8

* 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.

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. 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 to find out how to purchase or in case you need more information.