

## 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.

A dual node configuration records four 3G-SDI channels.

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

### Product Highlights

- Baseband Ingest - multiple simultaneous records
  - Multicamera recording
  - Loop recording
  - Crash recording
  - Scheduled recording
  - Batch recording
- Gateway for multiple destinations of any storage, NAS or SAN
- Full featured remote and local user interface
- Multi-configuration metadata management
- Flexible file naming engine
- Enables edit while ingest
- Option for simultaneous proxy generation
- Optional integration with social media
- Optional integration with OTT
- Burnt-in options: text, timecode, overlays (images and videos) and LUT

## Technical Specifications

Devices / Connectivity	INPUT	OUTPUT
	Live	File
OnPrem	SD-SDI HD-SDI RTMP NDI HLS MPEG-TS IP Live *	Avid Unity™ MediaNetwork Avid ISIS / Nexis FTP Servers (List on request) Omneon MediaGrid™ NAS / SAS (SMB 2.0 and 3.0) Facilis TerraBlock ScaleLogic DDP - Dynamic Drive Pool Quantum StorNext Generic File Shares And many others
Cloud	Social Media	Social Media Sharing Professional Cloud Storages Consumer Cloud Storages OTT

\* IP Live is only available for the I models

\* Supported SMPTE standards: ST2022-7, ST2110-10, ST2110-20, ST2110-21, ST2110-30, ST2110-31 and ST2110-40

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

Source	
Timecode	LTC (SMPTE 12M)
	VITC (SMPTE RP188)
	Time of Day
	From VTR (BVW) - Serial
Resolutions	Timecode Gap Detection
	PAL / PAL 16:9 / PAL Plus
	NTSC / NTSC 16:9
	720p 50/60
	1440x1080p 25/30
	1440x1080i 50/60
	1920x1080p 24/25/30
	1920x1080i 50/60
2160p 30/60	

Output Formats - HIRES	DENSU MODELS				
	A - A-2	E - E-2	X - X-2	D - D-2	I - I-2
IMX 30/40/50 Mbps	X		X		X
MPEG2 LGOP 18/25/35 Mbps 4:2:0	X		X		X
MPEG2 LGOP 50/70 Mbps 4:2:2	X		X		X
DVCAM 25 Mbps	X			X	X
XAVC Intra 50 / 100 Mbps	X		X		X
XAVC LGOP 25 / 35 / 50 Mbps	X		X		X
DVCPRO 25/50 Mbps / DVCPRO HD 100 Mbps	X			X	X
AVC-Intra 50/100 Mbps	X			X	X
AVC Ultra (LGOP 6/12/25/50 Mbps)	X			X	X
DNxHD (SQ/HQ/HQX/LB)	X	X			X
H.264 1080p 8 - 12 Mbps High Profile	X				X
H.264 720p 5 - 7.5 Mbps High Profile	X				X
H.264 480p 2.5 - 4 Mbps High Profile	X				X
H.264 360p 1 - 1.5 Mbps High Profile	X				X
H.264 1080p 3 - 9 Mbps High Profile (Live)	X				X
H.264 720p 1.5 - 6 Mbps High Profile (Live)	X				X
H.264 L10 10 Mbps	X				X
H.265/HEVC 10 Mbps LGOP	X				X
H.265/HEVC 25 Mbps LGOP	X				X
H.265/HEVC 50 Mbps LGOP	X				X
H.265/HEVC 100 Mbps LGOP	X				X
ProRes 422 (SQ/HQ/LT)	X	X			X
Google® VP6 / VP7 / VP8 / VP9 (Full HD)	X				X
Uncompressed UYVY 422 / V210 / RGBA	X				X

Output Formats - PROXY	DENSU MODELS				
	A - A-2	E - E-2	X - X-2	D - D-2	I - I-2
H.264 @ 500 Kbps Flash	X	X	X	X	X
H.264 @ 1 / 1.5 Mbps Flash	X	X	X	X	X
H.264 720 480p @ 8 / 10 Mbps Flash	X				X
H.264 720p @ 15 / 20 / 25 Mbps Flash	X				X
H.264 854 480p @ 8 / 10 Mbps Flash	X				X
H.264 960 540p @ 3 Mbps Flash	X	X	X	X	X
H.264 1080p @ 15 / 20 / 25 Mbps Flash	X				X
H.264 SD @ 4 / 8 / 15 / 20 / 25 Mbps	X				X
H.264 480p @ 0.5 - 2 Mbps High Profile (Live)	X	X	X	X	X
H.264 360p @ 0.4 - 1 Mbps High Profile (Live)	X	X	X	X	X
H.264 240p @ 0.3 - 0.7 Mbps High Profile (Live)	X	X	X	X	X
ProRes Proxy 1920x1080	X	X			X
ProRes Proxy 1280x720	X	X			X
ProRes Proxy 960x540	X	X			X
ProRes Proxy SD (16:9 Raster)	X	X			X
ProRes Proxy SD	X	X			X
MPEG-1 (Layer 2) @ 1.5 Mbps	X	X	X	X	X
Avid MPEG-2 (SIF @ 2Mbps)	X	X	X	X	X
H.263 (interplay Web)	X	X	X	X	X
H.264 Interplay Web (800 Kbps and 2 Mbps)	X	X	X	X	X
Sony Proxy AV (MPEG-4 Part-2) @ 1.5 Mbps	X	X	X	X	X

## Server Options

Compact server that can support FHD/HD/SD video gateways for the following media operations: record, ingest, transcode, playback, stream, encode and decode.

Features	Specs	DENSU MODELS									
		A	A-2	E	E-2	X	X-2	D	D-2	I	I-2
Platform	XPRESS	X	X	X	X	X	X	X	X	X	X
Video	miniDUO2	X	X	X	X	X	X	X	X	X	X
Connectivity	2x 1Gb Eth, 4x USB 3.0, 2x Frontal USB 2.0, 1x DisplayPort, 1x HDMI, 1x audio Out, 4x 3G SDI I/O, 1x Ref. In, 1x LTC Input, 1x RS422	X		X		X		X		X	
	4x 1Gb Eth, 4x USB 3.0, 4x Frontal USB 2.0, 2x DisplayPort, 2x HDMI, 2x audio Out, 8x 3G SDI I/O, 2x Ref. In, 2x LTC Input, 2x RS422		X		X		X		X		X
	1x Full-duplex LC Fiber connector with SR 850nm Laser									X	
	2x Full-duplex LC Fiber connector with SR 850nm Laser										X
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)	X	X	X	X	X	X	X	X	X	X
Power Requirements	Single 300W	X	X	X	X	X	X	X	X	X	X
Dimensions and Weight	1RU; 245x484x42.5mm (D,W,H); ~7Kg	X	X	X	X	X	X	X	X	X	X
Delivery Packaging	580x380x250mm (D,W,H), ~8Kg	X	X	X	X	X	X	X	X	X	X
What is Included	1x C13 to C14 power cord, USB pen drive with system restore and user manuals	X	X	X	X	X	X	X	X	X	X