



## Overview

mediaLIVE Densu Series is a compact turnkey appliance that encodes and/or decodes live video streams in IP Live, 3G-SDI, MPEG-TS, RTMP, HLS and MPEG-DASH formats.

A single node configuration encodes/decodes four SD-SDI channels or two 3G-SDI channels.

A dual node configuration encodes/decodes eight SD-SDI channels or four 3G-SDI channels.

## Models

- mediaLIVE Densu
- mediaLIVE Densu-2
- mediaLIVE Densu I
- mediaLIVE Densu I-2

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

## Product Highlights

- Operation modes: manual and scheduled
- Encodes and/or decodes the contents according to the destination format
- Ideal for multiple feeds of video contribution
- Very compact solutions: 1 RU can support up to 8 video signals
- Full featured local and remote user interface (includes quick control through touch screen)

## Technical Specifications

Devices / Connectivity	INPUT	OUTPUT
	Live	Live
OnPrem	SD-SDI HD-SDI RTMP MPEG-TS HLS NDI Social Media IP Live *	SD-SDI HD-SDI RTMP MPEG-TS HLS NDI Social Media IP Live * MPEG-DASH

\* 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

## Output Formats

Output Formats	MODELS	
	Densu - Densu-2	Densu I - Densu I-2
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 480p 0.5 - 2.0 Mbps High Profile (Live)	X	X
H.264 360p 0.4 - 1.0 Mbps High Profile (Live)	X	X
H.264 240p 0.3 - 0.7 Mbps High Profile (Live)	X	X
H.264 L10 10 Mbps	X	X
H.265/HEVC 10 / 25 / 50 / 100 Mbps LGOP	X	X

## Server Options

Compact server that can support HD/SD video gateways for media encoding and decoding operations.

Features	Specs	MODELS			
		Densu	Densu-2	Densu I	Densu I-2
Platform	XPRESS 1U	X	X	X	X
Video	miniDUO2	X	X	X	X
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	X		X	
	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		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
Power Requirements	Single 300W	X	X	X	X
Dimensions and Weight	1RU; 245x484x42.5mm (D,W,H); ~7Kg	X	X	X	X
Delivery Packaging	580x380x250mm (D,W,H), ~8Kg	X	X	X	X
What is Included	1x C13 to C14 power cord, 1x breakout cable, USB pen drive with system restore and user manuals	X		X	
	1x C13 to C14 power cord, 2x breakout cable, USB pen drive with system restore and user manuals		X		X