

Feature	Dolby DP591	LA-5291
AUDIO PROCESSING AND FEATURES		
Dolby Atmos® encoding (Dolby Digital Plus w JOC)	Y	Y
5.1-ch and 2/0 Dolby Digital Plus encoding	Y	Y
Dolby ED2 encoding	Y	Y
Dolby ED2 decoding	Y	Y
Transcoding Dolby ED2 / E into Dolby Digital Plus w JOC / Dolby Digital Plus	Y	Y
Additional Audio Processing *	---	P
2nd encoding instance *	---	P
Dolby Digital encoding *	---	P
Nielsen Watermarking *	---	P
Verance Watermarking *	---	P
Loudness Control *	---	P
UPMAX ISC upmixing *	---	P
5.1.4 to 5.1 downmix *	---	P
Non-contiguous audio channel routing	---	Y
Prioritized input signal switching by audio type	Y	Y
Simultaneous, multiple outputs	---	Y
Audio signal passthrough	---	Y
Audio signal passthrough from different input sources	---	Y
Audio shuffling	---	Y
External Dolby Atmos Metadata from Dolby DP590	Y	Y

* Road-mapped Feature

** regulation becomes effective December, 2020

Legend: Y = feature included; --- = feature not supported; P = planned feature; OPT = optional

Feature	Dolby DP591	LA-5291
I/O		
3 Gb/sec SDI	Y	Y
Quad-Link 3 Gb/sec SDI	---	OPT
AES-3 Input	1 pair	5 pair
AES-3 Output	4 pair	5 pair
MADI I/O	Y	OPT
AES67 / SMPTE ST 2110-30, -31 workflows	---	Y
10 / 25 Gb Ethernet (SMPTE ST 2110-20) *	---	P
Video Input (Vref)	Y	Y
GPI/O	---	Y
Control Ethernet port	Y	Y
OTHER		
Video compensating delay	Y	Y
Web browser remote control	Y	Y
Dual redundant power supplies	Y	Y
CE EN 62368-1:2018 compliance**	---	Y

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