PRELIMINARY

L-ISA PROCESSOR II

L-ISA Processor II is a licensed-based processor dedicated to real-time spatial audio processing. It provides state of the art object-based mixing for any immersive audio production, from the smallest installations to the largest tours. It offers 128 inputs and up to 128 outputs using AVB or MADI protocols.

From the 128 selected hardware inputs, L-ISA Processor II can process up to 96 objects with spatial processing parameters and the patent-pending room engine. These objects can be rendered to as many as 128 outputs at 96 kHz depending on the license pack selected. Acting as a matrix, L-ISA Processor II allows the routing of any input through the L-ISA spatial processing or directly to any output, enabling media format conversion and AVB stream multiplexing. The ruggedized chassis integrates two redundant universal power supplies. As a Milan-certified device, L-ISA Processor II ensures reliability for audio distribution with the seamless Milan network redundancy for all AVB streams.

SPECIFICATIONS

Power supply	
Power supply model	Universal Switched Mode Power Supply (SMPS) with power factor correction (PFC)
Mains rating	Redundant power supplies: 2 x 100 V - 240 V ~ ±10%, 50-60 Hz, 350 W
Connector	IEC C13 V-lock™ compatible
Audio inputs	
Milan-AVB supporting Milan seamless redundant networking	64 AVB channels (8 redundant streams of up to 8 channels) 2 x etherCON™ Gigabit ports for AVB primary and secondary
MADI	192 channels at 44,1 or 48 kHz / 96 channels at 96 kHz 3 x BNC connectors
AES/EBU	2 channels (1xAES3) at 44.1, 48 or 96 kHz 1 x XLR female connector
Audio outputs	
Milan-AVB supporting Milan seamless redundant networking	128 AVB channels (16 redundant streams of up to 8 channels) 2 x etherCON™ Gigabit ports for AVB primary and secondary
MADI	64 channels at 44.1 or 48 kHz / 32 outputs at 96 kHz 1 x BNC connector
AES/EBU	2 channels (1xAES3) at 44.1, 48 or 96 kHz 1 x XLR male connector
Headphones	Analog stereo headphones 6.3 mm TRS
Audio clock sources	
Milan-AVB	CRF input and output streams audio input and output streams
Word clock	Input and output on BNC connectors
MADI	Input and output on BNC connectors
AES/EBU	Input on XLR connector
DSP	
L-ISA processing at 96 kHz	96 objects rendered to a maximum of 128 outputs (depending on license pack) L-ISA parameters: Pan, Width, Distance, Elevation, Aux Send Room engine
Direct audio routing	Audio format conversion MADI to AVB or AVB to MADI AVB to AVB stream multiplexing
Sampling rates	44.1 (MADI and AES/EBU only), 48kHz , 96kHz
Latency (input to outputs)	3.2 ms
Boot time to AVB audio pass through	31 s
Remote control and monitoring	
Network connection	Ethernet Gigabit interface with etherCON™ connector
Remote control software	L-ISA Controller or any HTTP-based third-party control device
Operating conditions	
Temperature	-5° C / 23° F to +50° C / 122° F
Maximum altitude	2000 m / 6500 ft
Physical data	
Dimensions W x H x D	483 x 133.35 (3U) x 458 mm / 19 x 5.25 (3U) x 18 in
Weight	11 kg / 24.3 lb