

VIVO-XØD32

DIGITAL PROCESSORS & MATRIXES

EclerPLEX Matrix



A&E SPECIFICATIONS

The digital matrix shall be an EclerPLEX ecosystem Host unit with 32 Dante®/AES67 digital input ports and 32 Dante®/AES67 digital output ports (16/16 flows). It shall be scalable up to a 40 x 40 audio matrix via its X-LINK expansion port, allowing the connection of a single BIO Series expansion unit (BIO-X8 or BIO-X8G) to add 8x8 analogue audio ports and GPI/GPO control ports.

As a Host unit, it shall run multiple projects simultaneously with a flexible processing structure (custom-size matrices and custom DSP power). The embedded EclerPLEX web application shall include a Workspace with events, calendars and presets, an editor and server of User Control Panels (UCP), a scripting automation & control system, 4 internal audio players (microSD card slot, up to 2 TB), 2 internal audio generators, native EclerCLOUD monitoring and control, and auto update. Remote control from third-party systems shall be available using TP-NET control protocol through UDP or RS-232.

The matrix shall include a 1,9" colour TFT display, 2 Ethernet RJ-45 ports (NET1 control, NET2 control + Dante®/AES67), 1 RS-232 port (Euroblock connector) and 1 X-LINK port (USB-C connector). Audio shall be processed at 48 kHz / 32 bit, with a latency of 3,87 ms and a dynamic range of 115 dB.

The matrix shall operate on a 100-240 V AC - 50/60 Hz mains network through an internal universal switching power supply with IEC C14 inlet, with a power consumption of 5,8 W. It shall be suitable for desktop or 19" rack (1RU) installation. The dimensions shall be 482,4 x 44 x 214 mm and the weight shall be 2,82 Kg.

The digital matrix shall be the ECLER VIVO-XØD32.