MediaLinX A/V
MLAV9300-CS

IP Video Encoder

MLAV9300-CS

MediaLinX A/V provides the gateway for audio and SD/HD quality video to flow into the DigiLinX network. For each source a MediaLinX A/V encodes and prepares the audio and video for distribution across the TCP/IP network. The MediaLinX A/V also provides a mechanism for one-way and two-way control of the source and can ensure that the source stays powered on. Using a MediaLinX A/V greatly simplifies the installation and reduces the amount of hardware typically required of large multi-zone systems.

- Decentralized Network
- Unlimited Audio/Video Sources
- Versatile Audio Encoder
- HD/SD Video Encoder
- Mounting Options
- *StreamNet*™ Connected

- **Decentralized Architecture** - DigiLinX uses a distributed architecture that allows the hardware and the processing power to be spread out across a TCP/IP network. This leverages many of the advantages of using TCP/IP over traditional analog systems. Traditionally, sources are located near the head end controller or additional cabling is used remotely locate the audio/video source in a conference room or hotel suite. The MediaLinX A/V is not constrained by these limitations and can be located anywhere, only requiring a network connection. Each MediaLinX is designed to support 1 source so integrators can specify the exact number required and can easily adjust that number as the project evolves.

- **Unlimited Audio/Video Sources** - Using TCP/IP as a distribution method also renders limits on the number of audio/video sources obsolete. DigiLinX treats each source as just as another device on the network and using TCP/IP's multicast protocol DigiLinX easily manages the network traffic. Each MediaLinX A/V handles the audio and video signal encoding, IP stream output, and source control. Beyond a MediaLinX A/V, no additional hardware is required to add a source to the system. Large installations requiring many audio/video sources can be easily accommodated.

- **Versatile Audio Encoder** - Each MediaLinX will accept analog (Line level or balanced) or digital audio (S/P-DIF) signals. The audio is converted using a Burr Brown 24-bit/96kHz analog to digital converter. The integrator can adjust the signal output strength to insure that it is consistent with other sources on the system. Then using *StreamNet*™ technology the audio is converted into an uncompressed stream of TCP/IP packets and made available to the system.

- **SD/HD Video Encoder** - The MediaLinX A/V can encode, in real-time, both SD and HD video signals into either a compressed (MotionXT) or uncompressed stream of TCP/IP packets, depending on the speed of the network switch. Using BNC connectors the MediaLinX accepts H Sync, V Sync, Y/G/CVBS, Pb/B/C and Pr/R signals allowing a variety of source types to work with MediaLinX A/V. Converting to TCP/IP will insure the audio and video signal does not degrade on its way to the display.

The Ultimate IP A/V Experience

Features

■ **Source Control**

The MediaLinX A/V not only manages the audio encoding, but it also handles control of the source. Each device is capable of using IR, RS-232, or IP to control the source. RS-232 and IP protocols provide the MediaLinX A/V the capacity for two-way control of the source allowing the MediaLinX A/V to gather metadata and feedback. Many sources are already available that take advantage of RS-232 and IP, others can be created using LUA, a readily available open-source scripting language. By including the source control at the MediaLinX A/V, means not having to install additional hardware for source control.

■ **Mounting Options**

The MLAV9300-CS can be mounted directly to a wall, mounted into a rack, or left free standing. Each MLAV9300-CS is 1U high and occupies ½ rack width allowing two MLAV9300-CS' to mount side by side (using a *Netstreams* Binding Plate). The MLAV9300-CS can be mounted directly to a wall or mounted under a table using the included mounting tabs. It can also be left free standing.

■ *StreamNet* **Connected**

NetStreams Patent-pending *StreamNet* Technology provides the backbone for DigiLinX. *StreamNet* technology and ensures that audio between all zones are within 500 microseconds of each other, *StreamNet* Connected devices work seamlessly together, and can be updated in the future as new features become available.

Specifications

Standards supported ....NTSC, PAL

Video Input/Output Passthrough Connectors:
(BNC connectors) Hsync, V Sync, Y/G/CVBS, PB/B/C, Pr/R
Audio Input Connectors:

	One Pair of Analog RCA Jacks (Gold Plated)
	One Coaxial Digital (S/PDIF) (Gold plated)\
	Balanced Audio Stereo Input Phoenix Connector

Audio Output Connectors:

one pair of analog RCA jacks (Gold Plated)
one Coaxial Digital (S/PDIF) (Gold Plated)

Gigabit Ethernet Connection: ....(RJ45)
2-position Phoenix connector: ....(20-32 V DC)
for power
IR Emitter outputs / RS-232 ....one (3.5 mm)
IR Receiver input ....one included
LEDs for Signal detection, Power detection, and Activity status
3 Contact Closures ....one input
two output
Power State Sense Input
Dimensions: ....9 1/2" × 1 3/4" × 8 2/3"
(W × H × D) ....(244mm × 45mm × 220mm)
Weight: ....3.77 lb (1.7 kg)
NetPower™ 4
Restriction of use of certain Hazardous Substances
(RoHS) compliant

RoHS
✓
Compliant

StreamNet™
C O N N E C T E D
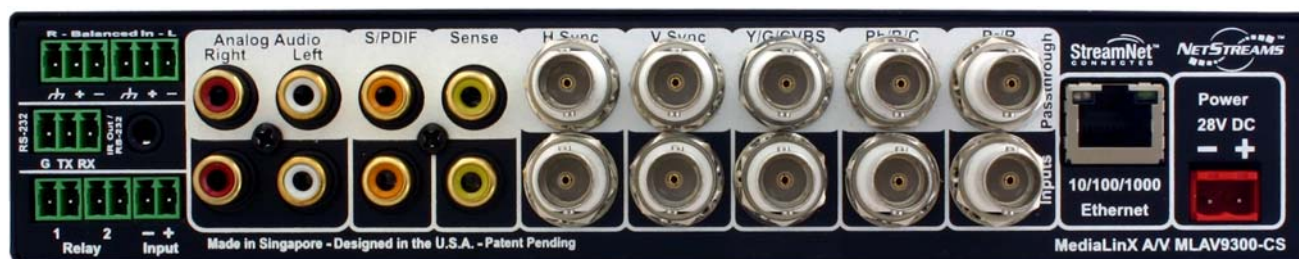
Excellence in Design

NetStreams is focused on providing high quality networked digital A/V systems. By leveraging its patent pending technologies and applications, *NetStreams* is creating the future of IP A/V - today.

Support - *NetStreams* offers world-class support for all products.
Email-support@netstreams.com or toll free - 866.353.3496