AVP-Controller-100

User Manual

Version: 20250221

Table of Context

Introduction

The AVP-Controller-100 is a state-of-the-art device designed to provide centralized control and management of video and audio encoding and decoding equipment. Users can easily configure video layouts, such as matrix and TV wall configurations, and schedule switching via Telnet. With automated content playback enabled through software scheduling, efficient content delivery is ensured. Equipped with a failover mechanism, the system can seamlessly switch to a backup controller in case of primary controller failure, guaranteeing uninterrupted service. The user-friendly interface simplifies configuration and setup, making it easy for users to manage the system.

The AVP-Controller-100 is your ideal choice for optimal control in conference rooms, broadcast studios, or security monitoring centers, providing the best in video and environmental management

Key Features：

- User-Friendly Interface: Designed with ease of use in mind, it provides an intuitive experience for operators of all skill levels.
- Video Layout Configuration: Enables software-based configuration of video layouts, suitable for diverse display and monitoring needs, including matrix and TV wall setups.
- Timing Schedule Function: Allows for the pre-setting of image rotation schedules, facilitating automated management.
- Integrated Control and Management: Offers a complete solution that combines hardware control with software intelligence for total integration.
- Device redundancy: Through software configuration, one or more backup controllers can be added. When the primary controller encounters an issue, the system will automatically switch to a backup controller."

Specifications

Technical	
I/O Connections	1 x LAN1 POE(10/100/1000Mbps) 1 x LAN2 POE(10/100/1000Mbps) 1 x RS-232
LED	1 x STATUS LED 1 x POWER LED
Button	1 x RESET Button
Control Method	LAN (Web GUI & Telnet)

General	
Power Supply	DC 12V3A
Operating Temperature	32°F ~ 113°F (0°C ~ +60°C) 10% ~ 90%, non-condensing
Storage Temperature	-4°F ~ 140°F (-20°C ~ +70°C) 10% ~ 90%, non-condensing
Surge Protection	Voltage: ±1000 V (Tested ten times respectively for the positive and negative voltages)
ESD Protection	Human body model: • ±8kV (air-gap discharge) • ±4kV (contact discharge)
Product Dimension (W x L x D)	139 mm x 190 mm x 32 mm
Case Dimension (W x L x D)	248 mm x 195 mm x 95 mm
Weight	0.99 kg / 2.19 lbs

Panel Description

Front Panel

❶ LCD

Display device information and setting messages.

❷ STATUS LED

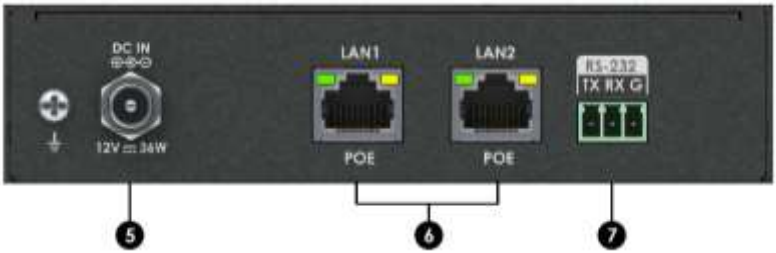
STATUS: Green: when controller is working properly, off when controller is powered off

❸ POWER LED

POWER: Red when controller is powered on, off when controller is powered off.

❹ Reset: Reset to factory settings

Rear Panel



❺ DC IN 12V3A

❻ RJ45 Port

- 2 x RJ-45 Female, 10 / 100 / 1000 Base-T
- Default protocol

LAN 1		LAN 2	
IP Address	192.168.1.102	IP Address	192.168.0.102
Subnet Mask	255.255.255.0	Subnet Mask	255.255.255.0
Gateway	192.168.1.254	Gateway	192.168.0.254

❼ RS-232 function port

- RS-232 Port (1 x 3-Pole Terminal Block Connector)
- Baud Rate: 300 ~ 115200
- Data Bit: 8 or 7
- Stop Bit: 1 or 2
- Parity: Even or Odd

Package Context

- Controller x 1
- Phoenix Connector (3pin x 1)
- Mounting Ear x 1 Set
- User Manual x 1

Installation

Note: Before installation, please ensure the device is disconnected from the power source.

Control box bracket installation instructions:

1. Remove the hanger and four screws from the box.
2. Attach to either the left or right side of the chassis.
3. The bracket can then be directly mounted on one side of the rack or an appropriate location.
4. There are three different installation methods. Please refer to the actual installation