

PlexusAV

Visual Array: Management and Control for AV-over-IP Networks

OVERVIEW

The PlexusAV Visual Array is a powerful, easy-to-use management and control system designed to simplify AV-over-IP deployments. Whether you're managing a single PlexusAV device or an entire ecosystem of IPMX-supported devices, the Visual Array provides seamless centralized control and configuration. Its intuitive web interface and lightning-fast device discovery streamline setup, making it ideal for any AV-over-IP network, from digital signage to large-scale video walls.

The Visual Array is built on IPMX open standards with full support for NMOS (IS-04, IS-05), ensuring compatibility and future-proof integration with your AV infrastructure.

WHY CHOOSE THE VISUAL ARRAY?

- **Intuitive Web Interface:** Manage all your devices from a clean, easy-to-navigate web interface.
- **Lightning-Fast Setup:** Automatically discover and configure devices across the network with minimal effort. Visual Array's internal DHCP server enables fast unit discovery and configuration.
- **Advanced Grouping & Tagging:** Easily organize and filter devices with customizable group levels and user-defined tags.
- **Matrix Switching & Video Wall Support:** Visualize and manage source-to-destination routing with a matrix view, including video wall capabilities.
- **Alarming & Notifications:** Stay informed with real-time alerts, notifications, and logging for every connected device.
- **Open Standards-Based:** Built on IPMX, with full NMOS support, ensuring smooth integration and scalability for future expansions.
- **Third-Party Integration:** Easily integrate with existing systems through HTTPS and NMOS API.

APPLICATIONS



BROADCAST & PRODUCTION

Streamline IP-based workflows and centralized device control for live production environments.



DIGITAL SIGNAGE

Manage content distribution across multiple displays in retail, transportation hubs, and large venues.



E-SPORTS & LIVE PRODUCTION

Enable quick and easy switching of video sources for live events or studio productions.



MEETING ROOMS

Simplify the management of AV systems in corporate meeting rooms and lecture halls.



ENTERTAINMENT VENUES & STADIUMS

Control large-scale AV networks in stadiums, theaters, and arenas.



EDUCATIONAL NETWORKS

Seamlessly manage classroom and campus-wide AV systems from a central interface.

KEY FEATURES

CENTRALIZED DEVICE MANAGEMENT

- **Automatic Device Discovery:** Detect and configure all IPMX-supported devices with ease.
- **Friendly Device Naming:** Assign user-friendly names to devices for easy identification.
- **Grouping & Tagging:** Advanced grouping capabilities and tag-based filtering for simplified device management.
- **Push Updates and Profiles:** Perform software updates and configuration changes to large deployments with ease.

POWERFUL VIDEO CONTROL

- **Matrix View:** Quickly switch between video sources and destinations using a matrix interface. Matrix view provides video thumbnails for confident switching.
- **Video Wall Processing:** Easily manage video walls up to a 3x3 configuration for large displays.
- **API Integration:** Seamlessly integrate third-party control systems and automation with the GraphQL API.

ALERTS & NOTIFICATIONS

- **Real-Time Alarms:** Set up automatic notifications for system alerts, with detailed logging for tracking and troubleshooting.

ADVANCED STANDARDS SUPPORT

- **IPMX & NMOS Integration:** Fully supports IPMX and NMOS (IS-04, IS-05) for open, scalable, and future-proof deployments.



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Specifications

P-AVN-VA-MINI SPECIFICATIONS

Endpoint Capacity:	25 endpoints, license up to 50 endpoints maximum
Network Interfaces	
Ethernet 1:	RJ-45 (10/100/1000 Auto-Negotiating)
Peripheral Interfaces (Terminal Access Only)	
Display:	HDMI (1) & DisplayPort (1)
Mouse/Keyboard:	2x USB-A ports
Management Interfaces:	
WebUI:	On-board web interface for easy configuration and control
HTTPS API:	Supports GraphQL for advanced integration
NMOS Support:	Full support for IS-04 and IS-05 standards
Dimensions & Power:	
Dimensions:	42mm x 126mm x 113mm (1.65" x 4.96" x 4.44")
Weight:	1 lbs (0.45 kg)
External Power Supply	
Input:	100-240V AC, 50-60Hz, 1.5A
Output:	19V @ 3.42A

Environmental Specifications

Operating Temperature:	-14°F to 113°F (-10°C to 45°C)
Storage Temperature:	-4°F to 140°F (-20°C to 60°C)
Operating Humidity:	<85% (non-condensing)



P-AVN-VA-ADV SPECIFICATIONS

Endpoint Capacity:	50 endpoints, license up to 500 endpoints maximum
Network Interfaces	
Ethernet 1:	RJ-45 (10/100/1000 Auto-Negotiating)
Ethernet 2:	RJ-45 (10/100/1000 Auto-Negotiating)
Peripheral Interfaces (Terminal Access Only)	
Display:	VGA (1)
Mouse/Keyboard:	2x USB-A ports
Management Interfaces:	
WebUI:	On-board web interface for easy configuration and control
HTTPS API:	Supports GraphQL for advanced integration
NMOS Support:	Full support for IS-04 and IS-05 standards
Dimensions & Power:	
Dimensions:	1RU Rack Mount - 43mm x 437mm x 249mm (1.7" x 17.2" x 9.8")
Weight:	10 lbs (4.54 kg)
Internal Power Supply	
Total Output Power and Input:	200W with Input 100/240AC
AC Input Frequency:	50/60Hz

Environmental Specifications

Operating Temperature:	41°F to 95°F (5°C to 35°C)
Storage Temperature:	-40°F to 140°F (-40°C to 60°C)
Operating Humidity:	<90% (non-condensing)

Included Accessories:

- Rackmount ears and hardware
- Power Cord

FUTURE FEATURES (PLANNED UPDATES)

- Expanded Video Wall Support: Enhanced features for managing larger video wall configurations.
- Visual Array Redundancy: Stay in control with unit-to-unit redundancy
- Advanced Logging: More detailed tracking of system events and device actions.

WARRANTY

3-year warranty - The P-AVN-4 comes standard with a 3-year limited warranty. For additional details reach out to PlexusAV at the link below.

