

# 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.

