

V-IP180PA V-IP360PA V-IP660PA

V-IPPA SERIES

IP POWER AMPLIFIER



- [V-IP180PA](#)180W IP POWER AMPLIFIER
- [V-IP360PA](#)360W IP POWER AMPLIFIER
- [V-IP660PA](#)660W IP POWER AMPLIFIER

- Key Features of V-IP Series Amplifiers:
- Ethernet (IP) connectivity for network audio streaming, control, and monitoring
 - Three power ratings: 180W, 360W, and 660W to suit diverse zone requirements
 - Dry contact output for external alarm integration (e.g., Volume Control)
 - Automatic failover-ready: Works with ZD-D314PA for seamless backup switchover

Intelligent Redundant Audio System with Centralized Backup

The **V-IPPA Series** are Ethernet-connected, network-managed power amplifiers designed for professional public address (PA), background music, and emergency voice alarm systems. Built for reliability and scalability, these amplifiers integrate seamlessly into IP-based audio networks—offering remote monitoring, zoning control, and real-time diagnostics.

Shared Redundancy with ZD-D314PA Backup Amplifier

To ensure uninterrupted audio coverage—even during hardware failure—the V-IPPA Series supports a centralized redundancy architecture using the **ZD-D314PA** Dual-Channel 1400W Backup Power Amplifier.

Instead of assigning one backup amp per active unit (a costly 1:1 approach), the system uses a shared backup strategy:

A single **ZD-D314PA** can simultaneously back up multiple V-IP amplifiers in the event of failure. Following standard safety margins (operating at ≤80% of rated power), for example: Eight (8) **V-IP180PA** units (each using ~144W of their 180W capacity) require a total of ~1152W during normal operation. One channel of the **ZD-D314PA** (1400W) can fully take over all eight units if they fail—ensuring zero audio interruption. With two independent 1400W channels, a single **ZD-D314PA** can back up up to 16 **V-IP180PA** units, or a mixed combination of **V-IP360PA/V-IP660PA** units based on power budgeting. **This intelligent redundancy design reduces system cost, rack space, and complexity**—while maximizing uptime for critical applications such as transportation hubs, hospitals, campuses, and emergency evacuation systems.

Technical Specifications

	V-IP180PA	V-IP360PA	V-IP660PA
Rated Output	180 Watt	360 Watt	650 Watt
Power Source	AC-240V AC @ 50/60HZ		
Power Consumption @1KHZ	320W@1.56A	630W@3.10 A	1155W@5.60 A
24V DC Backup Power System	By VA-300BP /VA-100BP		
AUDIO OUTPUT			
Output	4-8 Ohm/ 100V		
Output Impedance	56Ω	28Ω	15.2Ω
Backup Power Amp Input	100 V Line In		
FEATURES			
Supported Protocol	ARP,UDP, TCP/IP/ IGMP		
LAN Port Input	CAT6E x1		
Configuration	HTTP/HTTPS (Google Chrome)		
SIGNAL PERFORMANCE			
Frequency Response	60hz -18khz (+2dB)		
Total Harmonic Distortion (THD)	<0.1% @ 1 khz		
Bass & Trebble	+/- 10dB @ 10kHz adjustable		
Dimensions	485MM (W) x 352MM (H) x 90MM (D)	485MM (W) x 403MM (H) x 90MM (D)	
Weight	11.0KG	14.0KG	17.0KG



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