



Product Overview

VT-VZ046 is a professional UHF wireless microphone antenna distributor amplifier covering 470–950MHz. It supports up to 4 sets of true diversity dual-channel wireless mic systems or 8 sets of non-true diversity systems, sharing one pair of antennas to simplify wiring and boost reception performance. With ultra-low intermodulation distortion, it avoids signal interference for multi-channel simultaneous operation. Equipped with 2 BNC antenna inputs, 16 SMA grouped outputs, and built-in 12V power supply for active antennas and up to 4 receivers. Compatible with LPDA directional antennas and various whip antennas, ideal for large-scale professional audio projects.

Suitable for applications including:

- ✓ Conference Centers
- ✓ Multi-function Halls
- ✓ Theaters & Auditoriums
- ✓ Hotel Banquet Halls
- ✓ Stage Performance Venues
- ✓ Educational Lecture Halls
- ✓ Broadcast Recording Studios
- ✓ Large-scale Event Venues



VOKON

Antenna Splitter [16-Channel Indoor Directional]

VT-VZ046

Key Features

1. Supports up to 4 sets of UHF True Diversity 1-to-2 wireless microphone systems or 8 sets of non-true diversity systems, sharing one pair of antennas
2. Ultra-low intermodulation design minimizes mutual interference for multi-channel simultaneous operation
3. Compatible with LPDA directional antennas, whip antennas and extended antenna kits within 470–950MHz
4. Active antenna power supply via BNC input ports for amplifying directional antennas
5. 2 BNC antenna inputs, 16 grouped SMA outputs (Group A & Group B, 8 ports each)
6. Built-in 4-way DC 12V power outputs to supply power for maximum 4 wireless mic receivers
7. Wide working frequency range: 470–950MHz, matched with mainstream UHF wireless microphones
8. 50Ω standard impedance ensures stable RF signal transmission
9. Rack-mountable 1U chassis for convenient installation in standard audio equipment cabinets
10. Professional RF distribution enhances receiving distance and signal stability for large venues
11. High-quality shielding structure effectively resists external electromagnetic interference
12. Clear LCD display for real-time working status monitoring
13. Global wide voltage input: 100–240V AC, applicable for international projects

Technical specifications

Model	VT-VZ046
Frequency Response	470–950 MHz
Impedance	50Ω
Supported Wireless Systems	4 sets True Diversity 1-to-2 / 8 sets Non-True Diversity 1-to-2
Antenna Input Interfaces	2 × BNC
Antenna Output Interfaces	16 × SMA (8 ports per Group A/B)
Power Input	1 × DC 12V
Power Output	4 × DC 12V (for up to 4 receivers)
Active Antenna Power Supply	12V DC via input connectors
AC Input Voltage	100–240V
LPDA Antenna Gain	6dB typical, 10dB maximum
LPDA Antenna VSWR	≤ 1.7:1