



Product Overview

VZ-DC01 is a high-performance central control host with cross-platform multi-terminal control, compatible with Windows, Android, iOS, HarmonyOS and domestic Kylin/UOS systems for simultaneous backup operation.

It boasts abundant extended ports including 32 serial ports, 16 IR ports, 8 relays, 8 IO ports and one multi-mode RJ45 LAN port supporting TCP/UDP. Built-in IR learning, serial forwarding, perpetual timing clock and distributed storage architecture boost response stability.

Supporting no-code visual design, remote debugging, two-way status feedback and multi-terminal synchronization, it features certified iOS APP, 3D custom buttons, offline voice control and streaming media decoding. Independent control software cuts link faults, and on-site custom Lua scripts realize flexible logic without extra splitters.

Suitable for applications including:

- ✓ Large multi-functional conference centers
- ✓ Government command & dispatch rooms
- ✓ Enterprise high-end exhibition hall
- ✓ Campus lecture halls & training classrooms
- ✓ Hotel grand banquet halls
- ✓ Theater and multimedia performance venues
- ✓ Smart campus multimedia classrooms
- ✓ Military meeting command room
- ✓ High-end commercial showrooms
- ✓ Medical training multimedia lecture halls



Key Features

1. Cross-platform multi-terminal control, compatible with iOS, Android, Windows, HarmonyOS, Kylin and UOS for simultaneous multi-device backup control
2. Abundant onboard ports: 32 serial ports, 16 IR ports, 8 relays, 8 IO ports and multi-mode RJ45 LAN supporting TCP/UDP transmission
3. Front blue LCD display for real-time system status, plus 8 programmable physical emergency control keys and full status indicator lights
4. Built-in IR learning module, serial port transparent forwarding and perpetual clock circuit for timed automatic scheduling
5. Distributed local storage architecture to cut network delay, enabling fast two-way equipment status feedback and multi-terminal real-time synchronization
6. No-code visual drag-and-drop programming with remote online debugging, supporting custom scripts and diversified 3D transparent UI buttons
7. Certified official iOS APP, independent dedicated control software to reduce intermediate conversion failures
8. Support offline voice recognition, local video playback and RTSP/RTMP streaming media decoding for multimedia integrated control

Technical specifications

Model	VZ-DC01
Processor	32-bit ARM processor
Instruction Storage	FLASH, supports storing up to 3000 control instructions, expandable
RS232 Interface	16 × DB9 serial ports, 8 × 3P Phoenix terminals (equivalent to 4 × 5P Phoenix terminals, each with 2 channels, shared GND)
RS485/422 Interface	8 × 2P Phoenix terminals
Relay Output Interface	8 × 2P Phoenix terminals
IR Infrared Interface	16 × 2P Phoenix terminals
IO Level Interface	8 × 2P Phoenix terminals
Network Control Terminal	1 × 4P Phoenix terminal
RJ45 Network Port	1 port, 10/100M adaptive, TCP/UDP dual protocol support
TF Card Slot	1 slot
Front Panel Display	Blue LCD screen + multi-function LED status indicators + 8 customizable physical function keys
Built-in Module	Infrared learner, perpetual calendar timing circuit
Shell Appearance	Black metal chassis
Input Power	100VAC~240VAC, 50/60Hz universal power supply
Max Power Consumption	25W
Working & Storage Temperature	-20℃ ~ +70℃
Working & Storage Humidity	10% ~ 90%
Overall Dimensions (W×D×H)	483*236*90 mm
Net Weight	3.3 kg