

# WDC-923

## WIRELESS CONFERENCE DISCUSSION SYSTEM



WDC-923 digital wireless conference discussion system, with professional appearance design, perfect circuit composition and stable functional characteristics, can be cooperated with VTS-2000 automatic video tracking system and central control system to achieve functional diversification of modern high-tech conference. The data instruction of this wireless conference discussion system is transmitted by LoRa protocol. Audio works in UHF band. High fidelity circuit design can produce high quality sound effect.

### Key Features



#### Practical Function

- With [AFS] (Auto Frequency Selection) function, the system automatically searches for a frequency without interference and replaces the interfered channels.
- The conference unit can be selected to turn-on automatically or manually. When the Auto-ON is selected, the conference unit will be ON automatically when turn on the central controller.
- The super anti-interference technology can effectively block the interference of computers, mobile phones and bluetooth devices in the environment.



#### LoRa communication protocol and UHF audio transmission protocol

- Using LoRa protocol 433Mhz wireless control signal, UHF audio transmission technology.



#### Dante Audio Transmission Protocol

- With Dante interface, it can communicate with any device with Dante to transmit audio.



#### Expansibility

- With antenna interface, it can be used in conjunction with the antenna system of Relacart, and the transmission signal is very strong.
- Any number of wireless conference systems can be installed in the same building.
- With VTS-2000 automatic video tracking system, can achieve conference video tracking function.
- Equipped with RS-232 interface, it can connect various central control devices.

### Product Specification



## WDC-923

Digital and Wireless Conference Discussion Systems

- Bright OLED operation screen, with Chinese and English language menu selection, perfect function, easy operation.
- With Dante interface, it can communicate with any device with Dante to transmit audio.
- With VTS-2000 automatic video tracking system, can achieve conference video tracking function.

Main Frame Size:	EIA Standard Rack 1U
Receiving Channel:	Six Channels
Frequency Reliability:	±0.005%
Carrier Frequency Range:	UHF 521.25MHz-936.85MHz
Sampling Rate:	48KHz /24bit
Modulation:	FM
Operating Distance:	80M (in open space)
Oscillation:	PLL synthesized
Bandwidth:	32MHz
Max. Deviation:	±45KHz
S/N:	>100dB
THD:	<0.5%@1KHz
Frequency Response:	50Hz-18KHz
Output:	Balanced XLR-M, 2 RCA
Power Supply:	AC110-240V 50/60Hz
Weight:	Approximately 3.2 kg
Dimension(mm):	480(W)×350(D)×43(H)



## WDC-923C

Wireless Chairman Unit



## WDC-923D

Wireless Delegate Unit



## WDC-933C

Wireless Chairman Unit



## WDC-933D

Wireless Delegate Unit

- VTS-2000 Video Tracking System can be used in conjunction with any conference system with video function of Relacart to realize video tracking function. When the speaker unit opens the microphone, the camera will automatically track the speaker's position, and connect the video display device to display the image. Unique picture static function, can achieve perfect automatic tracking image function.



## VTS-2000

Automatic Video Tracking System



## DC-903

Data Communication Converter

- DC-903 is a data communication converter for the WDC serie wireless conference system
- With mature and stable wireless communication protocol, LoRa it has the advantages of high stability, high performance, high security, low latency and low power consumption

Equipment Type:	HD Video Main Controller
Working Power:	AC 100~240V, 50/60Hz
Frequency Response:	143Mb/s to 2.97Gb/s
Gain:	0dB
Signal Type:	SDI(HD digital signal) HD cctv1.0 HD-SDI(ST292), 3G-SDI(ST424), SD-SDI(259)
Input Return Loss:	21dB@5MHz-3GHz
Video Input:	800mVp-p
Video Output:	800mVp-p
Compatible Standard:	Pelco-D, pelco-P, Visca
Control Protocol:	RS-232, RS-422, RS-485
Baud Rate:	9600
Data Bits:	8 Bits
Video Input/Output Impedance:	75Ω
Input/Output Port:	BNC
Dimension(mm):	410(W)×206(D)×43(H)
Weight:	Approximately 2.3 kg

Working Frequency Range:	400~450MHz
Gain:	16dBm
RF Input Port:	N female
Data Communication Port:	RJ45 connector
Power Supply:	Powered by the controller through the CAT5 cable
Material:	Black anodized aluminum (package)
Dimension(mm):	42(W)×42(D)×105(H)
Weight:	150g