

WF-D290HP MKII

UHF DUAL DIGITAL WIRELESS MICROPHONE SYSTEM

WF-D290HP MKII

SOUNDSATION WF-D290 MKII adopts a brand-new digital transmission technology and hardware encryption of audio data that enable superior audio quality (compared to analog UHF systems), very-low latency (better than 2.4GHz systems) and maximum security due to the cryptographic hardware. The unique 16bit digital ID pilot technology avoids interferences even on same frequency, and allows continuous exchange of data between transmitters and receiver, such as battery level, transmission power, squelch operation, etc. The system is equipped with automatic frequency scanning and frequency spectrum display, which allow the user to select the less disturbed frequencies in every environment it operates. It features 90 frequencies for each transmitter, divided into 10 groups, each of which contains 9 channels. The user interface is very simple and intuitive, thanks to the TFT color display on the receiver and the simplicity of its setup menus. The handheld transmitter and the bodypack (in case of WF-D290HP), however, are equipped with LCD display with auto-off function, to save battery. The handheld microphone is also equipped with rechargeable lithium battery that can be recharged via the USB port on the back of the receiver. Finally, there are two optional kit for rack mounting of 1 or 2 receivers, respectively, on 1 or 2 standard 19" rack units.

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PRODUCT DETAILS

KEY FEATURES

UHF E-Band operation (823-832 MHz)

Digital audio transmission technology

Unique digital 16-bit ID pilot technology

Transmitter Audio-level and Battery-Low monitoring on the Receiver

Double antenna diversity technology

No crosstalk disturbance even on same frequency

Ultra-short audio latency

48 kHz sampling frequency

30 Hz-20 kHz frequency response

Colorful TFT display and menu settings on receiver

Auto frequency scanning and spectrum display

50 m Ideal Distance (without obstacles)

Professional Handheld Microphone with Professional Dynamic Cardioid Capsule and rechargeable Lithium Battery

Body pack with Connector Locking System

Infrared Tx-Rx synchronization system for quick system setting

Professional and Lightweight Headset with High-Sensibility Condenser Cardioid Capsule

Rack-Mount Kit for 1 or 2 receiver units to 1x or 2x 19" rack unit (optional)

Detachable Antennas with BNC connectors

SPECIFICATIONS

Carrier Frequency	UHF823-832 MHz
Bandwidth	9 MHz
Channel Bandwidth	100 kHz
Preset Group/Channel	10 groups, 9 frequencies in each group
Dynamic Range	>98 dB
Total Harmonic Distortion	<0.1%
Frequency Response	30 Hz-20 kHz/±2 dB
Audio Output Level	Balanced 400 mV; Unbalanced 400 mV
Packing Dimensions (WxHxD)	436x104x324 mm
Packing Gross Weight	2.5 kg
Receiver Power Supply	DC 12V/1000 mA
Receiver Consume Power	5 W
Signal/Noise Ratio	>98 dB
Receiving Sensitivity	-95 dBm
Transmission Delay	<3 ms
Receiver Dimensions (WxHxD)	210x45x118 mm (antennas not incl.)
Receiver Antennas	255mm (not bent) with BNC connector
Net Weight	0.4 kg
Transmitter Power	10 mW (Max)
Modulation Type	DQPSK
Battery Voltage Handheld Transmitter	1x3.7 V - 1200 mAh Lithium Rechargeable Battery (type 18500)
Battery Voltage Bodypack Transmitter	3 V (2x1.5 V AA Battery)
Continuous Using	5 hours (HI Trans. power); 7 hours (LO Trans. power)
Battery Charge Time (only handheld Mic.)	About 3,5 hours
Hand-held Mic. Dimensions (W/DxH)	Ø35(min)-Ø46(max)x240 mm
Hand-held Mic. Net Weight	0.26 kg (batteries included)

Pocket Transmitter Dimensions (WxHxD)	62x103x30 mm
Bodypack Antenna (W/DxH)	Ø3x9 mm
Pocket Transmitter Net Weight	0.132 kg (batteries included)