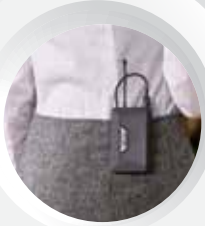
ing scenario

Product Features

- TOA's proprietary digital audio processing ensures optimal sound quality and intelligibility for speech applications.
- Up to 32 simultaneous channels *Region dependent
- 15 compatible channels per 6 MHz, 20 compatible channels per 8 MHz TV channel
- Proprietary encryption settings to prevent data leakage
- Approx. 100 m operating range (line of sight)
- Dedicated maintenance software enables visual monitoring of any jam radio waves or changes to incoming radio waves.
- Signal stability is assured using the digital diversity method.
- Control of peripherals is possible using contact output.



System components

Lavalier Microphone
YP-M5300

- Unidirectional electret condenser microphone element
- Connector for ø3.5 mini-plug

Lavalier Microphone
YP-M5310

- Omnidirectional electret condenser microphone element
- Connector for ø3.5 mini-plug

Headworn Microphone
WH-4000H

- Unidirectional electret condenser microphone

Headworn Microphone
WH-4000A

- Unidirectional electret condenser microphone
- Ideal for sports applications

Battery Charger
BC-2000

Rechargeable Battery
WB-2000-2

Wall Mount Antenna
YW-4500

Antenna Distributor
WD-5800

Digital Wireless Receiver

WT-D5800

Specifications	WT-D5800
Power Source	AC mains (supplied AC adapter must be used)
Current Consumption	350 mA (13.5 V)
Receiving Frequency	606 - 636 MHz or 803 - 806 MHz
Channel Selectable	160 selectable frequencies
Receiving System	Double super-heterodyne
Diversity system	Space diversity (digital diversity)
Mixing Output	MIC/LINE (selectable): –60 dB* (MIC)/–20 dB* (LINE), 600 Ω phone jack (unbalanced),
Mixing Input	–20 dB*, 10 kΩ, unbalanced, phone jack
Antenna Input	75 Ω, BNC (phantom powering for antenna), 9 V DC, 30 mA (max)
Antenna Output	75 Ω, BNC (Gain 0 dB)
Contact Output	1 channel, no-voltage make contact output, withstand voltage: 30 V DC, control current 0.5 A max
Receiving Sensitivity	24 dBμV or less (Bit error rate: 1E-5 or less)
Antenna Input Attenuator	0 dB/–10 dB switchable
Indicator	Audio (5 steps), RF (5 steps), ANT A/B, Audio (peak), Battery alarm
Frequency Response	50 Hz - 12 kHz
Total Harmonic Distortion	0.5 % or less
Function	Frequencies scanning, Feedback suppressor, Equalizer (optimizing each compatible microphone)
ID Selectable	10 patterns
Operating Temperature	-10 °C to +50 °C
Operating Humidity	30 % to 85 %RH (no condensation)
Finish	Resin, black
Dimensions (W x H x D)	210 × 44 × 211.9 mm
Weight	730 g
Option	Rack mounting bracket kit: MB- WT3 (for rack mounting one WT-D5800 unit) MB- WT4 (for rack mounting two WT-D5800 units)

* 0 dB = 1V

Digital Wireless Microphone

WM-D5200

Digital Wireless Transmitter

WM-D5300

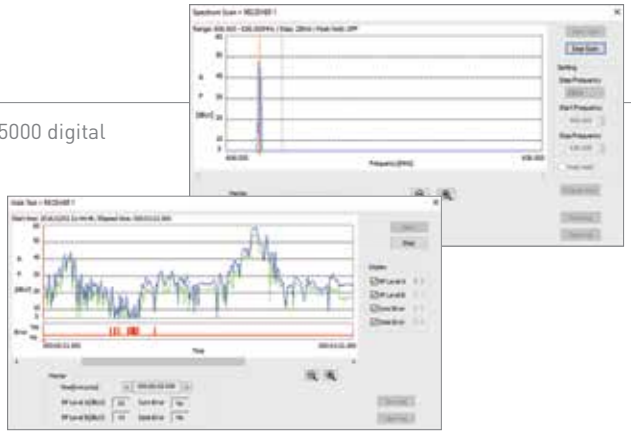
Specifications	WM-D5200	WM-D5300
Microphone Element	Electret condenser unit: Unidirectional	-
Modulation type	FSK	
Frequency Range	606 - 636 MHz or 803 - 806 MHz	
Channel Selectable	160 channels (The number of channels may differ from country to country.)	
RF Carrier Power	Less than 50 mW	
Maximum Input Level	132 dB SPL (Sensitivity: L)/ 122 dB SPL (Sensitivity: H)	–18 dB* (Sensitivity: L)/ –28 dB* (Sensitivity: H)
Audio Frequency Response	100 Hz - 12 kHz	
Antenna	Built-in type	Lamda/4 whip antenna
Dynamic Range	Typ. 90 dB (when used with WT-D5800)	-
ID Selectable	10 patterns	
Battery	WB-2000 rechargeable battery (option) or AA Alkaline dry cell battery	
Battery Life	Approx. 8 hours	
Operating Temperature	-10 °C to +50 °C (except battery)	
Operating Humidity	30% to 85 %RH (no condensation)	
Finish	Body: ABS resin, black, coating Head: steel, black, paint	Body: ABS resin, black, paint
Dimensions	ø47 × 239.5 mm	C04/C07 ver. : 62(W) x 171(H) x 19(D) mm G01/H01 ver.: 62(W) x 185(H) x 19(D) mm
Weight	220 g (with battery)	90 g (with battery)
Option	Battery charger: BC-2000 (*1) Ni-MH Battery: WB-2000-2 (*1)	Battery charger: BC-2000 Ni-MH Battery: WB-2000-2 Unidirectional lavalier microphone: YP-M5300 Omnidirectional lavalier microphone: YP-M5310 Headset microphone: WH-4000A, WH-4000H

* 0 dB = 1V

Maintenance Software

Maintenance Software, which supports setup and better operation of D5000 digital wireless system, is available on TOA DATA LIBRARY: (www.toa-products.com/international/)

- Simultaneous status check of up to 16 receivers is possible.
- Walk-Test function allows you to check the antennas' reception level in the entire room where the microphone is used.
- Channel Scan displays unused frequency channels.
- Spectrum Scan visualizes the level and frequency of undesired signals in the specified frequency range.



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