

Electro-Voice R300HDC R300 Series Wireless Dynamic Cardioid PL22 Handheld Microphone System C-Band/516-532 MHz

Receiver Type	Synthesized PLL
Frequency Range (RF)	A Band 618 - 634 MHz B Band 678 - 694 MHz C Band 516 - 532 MHz E Band 850 - 865 MHz
Number of Channels	32
Modulation	± 40 kHz
Diversity	True Antenna
RF Sensitivity	<1.0 μ V for 12 dB SINAD
Image Rejection	> 55 dB
Squelch	Tone Code plus Amplitude
Power Requirements	12-16 VDC, 500mA max
Operating Temperature	5°C to 45°C (41°F to 113°F)
Dimensions	43 mm H x 206 mm W x 210 mm D (1.72 in H x 7.8 in W x 8.0 in D)
Audio Parameters	
Frequency Response	80 Hz - 18 kHz ± 2 dB
Balanced Output	20 dBV (max @ 40 kHz deviation)
Unbalanced Output	Adjustable 8 mV to 0.755V RMS
Distortion	< 1.0%, 0.4% typical (ref 1 kHz, 40 kHz deviation)
Signal-to-Noise Ratio	> 100 dB A-Weighted
Dynamic Range	> 95 dB
BP-300 and HT-300 Transmitter Specifications	
Radiated Output	8 mW typical
Back Lit LCD Display	Channel, Frequency, Mute, and Battery Level
Microphone Head	Electro-Voice PL22 Cardioid Dynamic
Standard Lavalier Microphone	Electro-Voice ULM18 Uni-Directional Condenser
TA4F Connector Wiring	Pin 1 Ground; Pin 2 Mic Input; Pin 3 +5V bias; Pin 4 +5V thru 2.2k Ω
Power Requirement	Two AA batteries
Battery Life (Typical)	> 14 hours with AA alkaline typical
Bodypack Antenna	Flexible external 1/4 wave
Handheld Antenna	Internal proprietary
Dimensions (Bodypack)	84 mm H x 66 mm W x 23 mm D (3.3 in H x 2.6 in W x 0.89 in D)
Dimensions (Handheld)	26.7 cm (10.57 in) Long