

## Electro-Voice HT300C R300 Series Wireless Dynamic Cardioid PL22 Handheld Microphone Transmitter Only 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	$\pm 40$ kHz
Diversity	True Antenna
RF Sensitivity	$<1.0 \mu\text{V}$ 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)
<b>Audio Parameters</b>	
Frequency Response	80 Hz - 18 kHz $\pm 2$ 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
<b>BP-300 and HT-300 Transmitter Specifications</b>	
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 $\Omega$
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