



# TOA INFRARED WIRELESS MICROPHONE

IR-300M(Y)

## DESCRIPTION

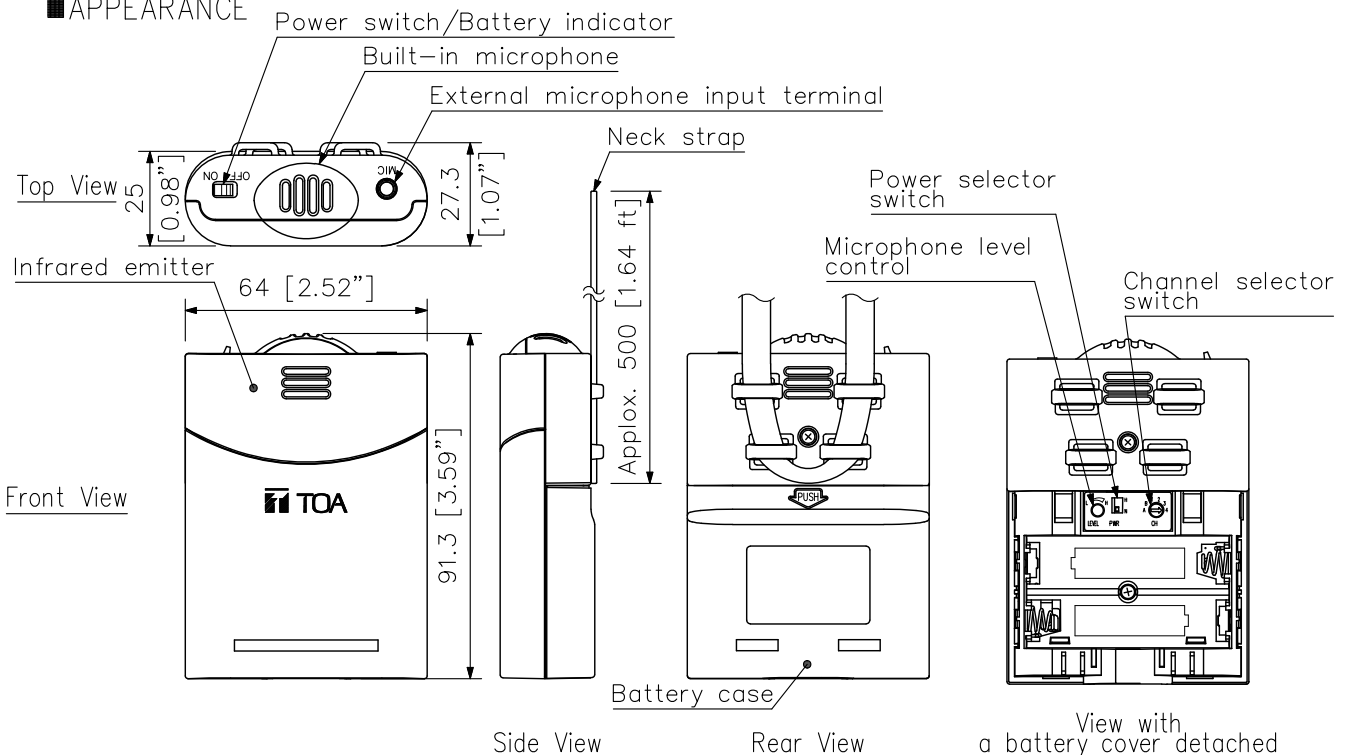
The IR-300M is a hands-free infrared wireless microphone. It eliminates problems with interference or eavesdropping, allowing simultaneous use in adjacent conference rooms or school classrooms. Since infrared wireless microphone system uses a frequency band that does not interfere with that of the TS-820 and TS-920 series infrared conference system, both systems can be simultaneously installed in the same location.

## SPECIFICATIONS

Battery (*1)	Rechargeable battery for the infrared wireless microphone (option) or AA alkaline dry cell battery (2 pieces).
Current Consumption	Typ. 250 mA (2.4 V, Power selector switch: N) Typ. 340 mA (2.4 V, Power selector switch: H)
Infrared Emitter	
Wavelength	870 nm (AM: Brightness modulation)
Modulation Method	Frequency modulation
Carrier Frequency	Channel A: 3.100 MHz, Channel B: 3.350 MHz
Transmission Distance	Approx. 20 m (65 ft) (Power selector switch: H, in an unobstructed space) Approx. 15 m (50 ft) (Power selector switch: N, in an unobstructed space)
Tone Signal	32.768 kHz
Modulation Sensitivity	±4.8 kHz (1 kHz, when SPL of 84 dB is input)
Maximum Input Sound Pressure	120 dB SPL
Input Sensitivity Adjustment	Adjustment range: -9 dB to 0 dB (factory preset: 0 dB)
Microphone Unit	Unidirectional electret condenser microphone
Frequency Response	100 Hz - 12 kHz
Preemphasis	300 μs
Input	External microphone input (ø3.5 monaural mini jack)
Battery Operation Time	Approx. 8 h (when the rechargeable battery for the infrared wireless microphone is used, Power selector switch: N) Approx. 6 h (when the alkaline battery is used, Power selector switch: N)
Operating Temperature	0 °C to +40 °C (32 °F to 104 °F)
Operating Humidity	30 % to 85 %RH (no condensation)
Finish	Control section: ABS resin, metallic gray, paint, 50% gloss Filter section: Polycarbonate, optical cut filter
Dimensions	64 (W) × 91.3 (H) × 27.3 (D) mm (2.52" × 3.59" × 1.07")
Weight	130 g (0.29 lb) (with battery and strap)
Accessory	Screw driver (for setting) ...1, Color label (6 colors) ...1
Option	Battery charger: IR-200BC Ni-MH battery: IR-210BT-2 (containing 2 pieces), IR-200BT-2 (containing 2 pieces)

(\*1) Do not use battery together with rechargeable or dry batteries of different product numbers. Failure to follow this instruction may result in battery leakage or excessive heat generation.

## APPEARANCE



UNIT:mm SCALE:1/2