

Overview

The infrared conference system has all the advantages of infrared communication complete with wireless transceiver microphone units. Wireless infrared technology provides the user with greater flexible whilst configuring the system and freedom of choice when placing microphones, it guarantees conference privacy and protects the system from wiretapping and radio interference. It's the best wireless conference solutions for small-scale conferences.

System Features

- ◆ Infra-red transmission technology guarantees privacy.
- ◆ Perfect sound quality as CD from the microphone.
- ◆ IR communication system eliminates the need of connecting the conference units. Installation can be done quick and smart without cumbersome arrangements.
- ◆ Fully functions (Discuss & Video tracking), support FIFO (1/2/3), Limit (1/2/3) and chairman only mode, microphones in one system up to 127 units.
- ◆ Microphones can be operated on either their built-in rechargeable LI-Polymer batteries or AC power supply. Battery life approx. 6 hours during speech and approx. 30 hours when standby.
- ◆ Microphone OLED can display system and conference information.
- ◆ Excellent immunity to RF interference from mobile phones and RF devices.

Infrared Conference System Main Unit HT-8700M



HT-8700M

- ◆ Support Mode: Limit (1/2/3), FIFO (1/2/3), Chairman Only
- ◆ Support video camera auto-track with video processor
- ◆ 160x32 dot matrix LCD display system information
- ◆ Two group audio output interface to support external audio system
- ◆ Installation: 19-inch frame
- ◆ Designed accordance to UL and CE standards
- ◆ If main unit turn off power, microphone will shut off the power within 60 seconds.

Infrared Conference System Microphone Unit HT-8700c/d



HT-8700c



HT-8700d

- ◆ Portable table moving and microphone pipe can be pull out. Extended pipe optional.
- ◆ Electric capacity type microphone, equipped with windshield cover
- ◆ OLED display microphone ID, signal level, battery level, microphone state, control channel, etc.
- ◆ Equipped with 5 function keys to support microphone ID/LCD contrast/Language setting and service calling function.
- ◆ Microphone will shut off the power in 60 seconds to save battery power if system communication is error.
- ◆ OLED will display "IR Signal Weak/Error" if the IR signal is weak when microphone working.

Including the functions of the delegate unit, chairman unit has other following functions:

- ◆ Chairman microphone can turn on any time.
- ◆ In one system microphones just support one chairman microphone and the ID number should be 1.
- ◆ Priority function: chairman can turn off delegate microphones any time.
- ◆ Chairman only mode: Delegate microphone can not be turned on again after chairman microphone press priority button. The chairman need quit this mode first, and then delegate microphone can be turned on again.

Infrared Conference System Transceiver Unit HT-8700RT

- ◆ Adopt mounting hook installation, easy to install.
- ◆ Wide-angle, transceiving range is approximately 150 degrees.
- ◆ Signal gain more than 35dBm
- ◆ Adopt low consumption electro circuit



HT-8700RT

Infrared Conference System Distributor HT-8700T

- ◆ Low insertion loss computation
- ◆ Perfect plating surface treatment with excellent shielded function



HT-8700T

Infrared Conference System Battery Charger HT-8700CG

- ◆ Input Voltage: AC 110V~220V
- ◆ Charges 10 PCS of LIP battery per charging
- ◆ Intelligent charging management electro circuit to protect the LIP battery
- ◆ Equipped with extendible handle and pulley, easy for moving.



HT-8700CG

Infrared conference system LIP Battery HT-8700B

- ◆ Excellent safety performance, light weight & High capacity ratio.
- ◆ Improved safety: more resistant to overcharge; less change for electrolyte leakage.
- ◆ High Capability: Have nearly double the capacity with half the weight of NiCad or NiMH battery packs
- ◆ Easy to install



HT-8700B

AC power adapter HT-8700A

This AC power adapter can charge the LIP battery directly with microphone unit.



HT-8700A

Technical Parameter of infrared conference system HT-8700 series

Technical Parameter of Main Unit HT-8700M	
Items	Parameter
Transmission method	Wireless infrared
Channels	4 audio+ 1 data
Carrier frequency band	4MHz-8MHz
Modulation method	FM/FSK
Receiving sensitivity	-100dBm
Output level	0dBV/+6dBV
Frequency response	100Hz-12KHz
S/N Ratio	> 82dB
T.H.D.	< 0.5%
Transmission consumption	0dBm
Communication rate	100KBPS
Power supply	AC110V 50Hz-60Hz / AC220V 50Hz-60Hz
Consumption Rating	10W
Operating temperature range	0-40 degree
Dimensions (mm)	483×377×89mm
N.W	8kg

Technical Parameter of Microphone Unit HT-8700c/d

Items	Parameter
Transmission method	Wireless infrared
Channels	4 audio+ 1 data
Carrier frequency band	4MHz-8MHz
Modulation method	FM/FSK
Infrared radiator consumption	+10dBm
Receiving sensitivity	-100dBm
Mic sensitivity	-44dB±2dB
Frequency response	100Hz-12KHz
S/N Ratio	> 82dB
T.H.D.	<0.5%
Reference speaking distance	10~30cm
Consumption Rating	8W
Operating temperature range	0-40 degree
Dimensions	168×145×60mm
Length of gooseneck	420mm (optional)
N.W	1.2kg (with battery)
Battery	LIP battery12V/4000MAH

Technical Parameter of Transceiver Unit HT-8700RT

Items	Parameter
Carrier frequency band	4MHz-8MHz
Power supply	DC24V from Main unit
Rated current	380mA
Receiving sensitivity	-100dBm
Gain	40dBm
Input/Output Impedance	50Ω
Infrared operating distance	>12M
Terminal type	TNC
Dimensions	Φ145×100mm
N.W	1.71kg

Technical Parameter of Distributor HT-8700T

Items	Parameter
Carrier frequency band	4MHz-8MHz
Insertion loss computation	< 1dBm
Input/Output Impedance	50Ω
Input terminal	2
Output terminal	4
Terminal type	TNC
Dimensions	80×65×20mm
Power Supply	DC24V/2A
N.W	670g

Technical Parameter of battery charger HT-8700CG

Items	Parameter
Power supply	110V-240V/50Hz~60Hz
Consumption Rating	200W
Charge quantity	10
MAX charging current of each unit	700mA
Charging time	About 8~10 hours
Charging status	Red LED flashing –Charging, Green LED –Full Charged
Operating temperature range	0-40 degree
Dimensions	620×370×260mm
N.W	10.74kg (without battery)

Technical Parameter of LIP battery HT-8700B

Items	Parameter
Rated voltage	DC12V
Discharge current	< 500mA
Charging current	< 700mA
Time of speaking	> 6 hours
Time of standby	> 25 hours
Charging voltage	DC15V
Dimensions	130×75×20mm
N.W	250g

Technical Parameter of AC power adapter HT-8700A

Items	Parameter
Input voltage	AC110V/220V 50Hz~60Hz
Output voltage	DC 18V 600mA
Dimensions	98×70×55mm (only transformer)
N.W	750g

HT- 8700 Series System Connection Diagram

