

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.
- ◆ Full functions (Discuss, video tracking & voting), support FIFO (1/2/3), Limit (1/2/3) and chairman only mode, microphones in one system up to 128 units.
- ◆ Microphones can be operated on either their built-in rechargeable lithium-ion batteries or AC power supply. Battery life approx. 8 hours during speech and approx. 30 hours when standby.
- ◆ Microphone LCD can display system and conference information.
- ◆ Excellent immunity to RF interference from mobile phones and RF devices.

Infrared Conference System Main Unit HT-8510M/HT-8610M



HT-8510M
HT-8610M

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

Infrared Conference System Microphone Unit HT-8510c/d, HT-8610c/d



- ◆ Portable table moving and microphone pipe can be pull out. Extended pipe option.
- ◆ Electric capacity type microphone, equipped with windshield cover
- ◆ LCD color red/blue (option)
- ◆ Support discuss, voting and video camera auto-track function
- ◆ LCD display microphone ID, signal level, battery level, microphone state, control channel, etc.
- ◆ Equipped with microphone on/off key and indicator.
- ◆ Equipped with 5 function keys to set microphone id, control channel, LCD contrast and light time.
- ◆ Auto-Close: Microphone will turn off automatically if there is no action of this microphone in 99 seconds.(option)
- ◆ Microphone will shut off the power in 60 seconds to save battery power if system communication is error.
- ◆ LCD will display "IR Signal Weak" 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 Receiver Unit HT-8510R/HT-8610R



HT-8510R
HT-8610R

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

Infrared Conference System Distributor HT-8510T/HT-8610T



HT-8510T
HT-8610T

- ◆ Adopt impedance balancing branch connector (2 input, 1 output)
- ◆ Low insertion loss computation
- ◆ Perfect plating surface treatment with excellent shielded function

Infrared Conference System Battery Charger HT-8510CG/HT-8610CG



HT-8510CG



HT-8610CG

- ◆ Input Voltage: AC110V/240V/50Hz~60Hz
- ◆ Charges 16 PCS (HT-8510CG)/10 PCS (HT-8610CG) of LIP battery per charging
- ◆ Intelligent charging management electro circuit to protect the LIP battery
- ◆ Equipped with extendible handle and pulley, easy for moving.

Infrared Conference System External Antenna HT-8510AT/HT-8610AT



HT-8510AT
HT-8610AT

If the distance between IR main unit and microphone is not far, and there does not have any obstruct, antenna can be connect to the “ANT” interface of IR main unit rear panel directly. If the distance is far or have some obstruct between them, please connect external antenna to IR main unit.

Infrared Conference System LIP Battery HT-8510B/HT-8610B



HT-8510B



HT-8610B

- ◆ 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

AC Power Adapter HT-8510A/HT-8610A



HT-8510A
HT-8610A

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

Technical Parameter of IR Wireless Conference System

Technical Parameter of Main Unit HT-8510M/HT-8610M		
Descriptions	Items	Parameter
Audio channel	Transmission method	Wireless infrared
	Audio channel	4
	Carrier frequency band	6MHz-8MHz
	Modulation method	FM
	Receiving sensitivity	-85dBm
	Output level	-10dB
	Infrared operating distance	>10m
	Frequency response	100Hz-10kHz
	S/N Ratio	>70dB
	T.H.D.	<0.5%
Data control channel	Transmission method	Wireless
	Data channel	14
	Frequency range	915MHz-925MHz
	Modulation method	FSK
	Receiving sensitivity	-80dBm
	Transmission consumption	10dBm
	Communication rate	100KBPS
	Signal covering range	Radius 100m
System	Power supply	AC110V/240V 50Hz~60Hz
	Consumption rating	10W
	Operating temperature range	0-40 degree
	Dimension (mm)	484×377×85
	N.W	7.5kg

Technical Parameter of IR Wireless Conference System

Technical Parameter of Microphone Unit HT-8510c/d, HT-8610c/d			
Descriptions	Items	Parameter	
Audio channel	Transmission method	Wireless infrared	
	Audio channel	4	
	Carrier frequency band	6MHz-8MHz	
	Modulation method	FM	
	IR radiator consumption	+10dBm	
	Mic sensitivity	-44dB±2dB	
	Frequency response	100Hz-10kHz	
	S/N ratio	>70dB	
	T.H.D.	<0.5%	
	Sound receiving distance	10-30cm	
Data control channel	Transmission method	Wireless	
	Data channel	14	
	Frequency range	915MHz-925MHz	
	Modulation method	FSK	
	Receiving sensitivity	-85dBm	
	Transmission consumption	10dBm	
	Communication rate	100KBPS	
Microphone	Battery	LIP battery 12V/4000mAH	
	Consumption rating	8W	
	Operating temperature range	0-40 degree	
	Length of gooseneck	400mm (option)	
	Dimension (mm)	HT-8510c/d:	220×155×69
		HT-8610c/d:	210×140×69
N.W (with battery)	HT-8510c/d:	815g	
	HT-8610c/d:	900g	

Technical Parameter of IR Wireless Conference System

Technical Parameter of Receiver Unit HT-8510R/HT-8610R

Items	Parameter
Carrier frequency band	6MHz-8MHz
Power supply	DC12V from main unit
Rated current	25mA
Receiving sensitivity	-85dBm
Gain	40dBm
Output impedance	50Ω
Terminal type	BNC
Dimension (mm)	φ98×74
N.W	440g (with bracket)

Technical Parameter of Distributor HT-8510T/HT-8610T

Items	Parameter
Carrier frequency band	6MHz-8MHz
Insertion loss computation	<1dBm
Input/Output impedance	50Ω
Input terminal	2
Output terminal	1
Terminal type	BNC
Dimension (mm)	80×65×20
N.W	90g

Technical Parameter of Battery Charger HT-8510CG/HT-8610CG

Items	Parameter
Power supply	110V-240V/50Hz~60Hz
Consumption rating	200W
Charge quantity	HT-8510CG: 16 PCS
	HT-8610CG: 10 PCS
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
Dimension (mm)	HT-8610CG: 620×370×260
	HT-8610CG: 620×370×210
N.W	10.74kg

Technical Parameter of IR Wireless Conference System

Technical Parameter of External Antenna HT-8510AT/HT-8610AT

Items	Parameter
Carrier frequency band	915MHz-925MHz
Impedance	50Ω
MAX cable length	20m
Terminal type	BNC
Dimension (mm)	345×80 (with bracket)
N.W	100g (with bracket)

Technical Parameter of LIP Battery HT-8510B/HT-8610B

Items	Parameter
Rated voltage	DC12V
Discharge current	<500mA
Charging current	<700mA
Time of speaking	>8 hours
Time of standby	>25 hours
Charging voltage	DC15V
Dimension (mm)	HT-8510B:130×75×20
	HT-8610B:130×64×25
N.W	250g

Technical Parameter of AC Power Adapter HT-8510A/HT-8610A

Items	Parameter
Input voltage	AC110V/240V 50Hz~60Hz
Output voltage	DC 18V 600mA
Dimension (mm)	98×70×55 (only transformer)
N.W	750g

HT-8510/HT-8610 Series System Connection Diagram

