

HL-P950PRO架构式矩阵内部通话主机 Framework matrix intercom host

华燎科技 HL-P950PRO架构式内部通话主机，是依据适合大型场所(剧场剧院、体育场馆、大型节目表演)行业打造的一款专业级的内部通话系统，支持IP数字组网、多主机联合、多中继台联合，可满足融媒体中心与录制现场进行不限距离全双工通话。导演、导播、舞美总监、活动现场总指挥能够与现场各工作人员自由交流，同时也允许工作人员根据部门分成多个工作小组，每个组内都可以自由双向通话而不影响其他的部门。

HL-P950pro structured intercom host of HUALIAO technology is a professional intercom system suitable for large-scale places (theatres, stadiums and large-scale program performances),It supports IP digital networking, multi host combination and multi relay station combination, and can meet the unlimited distance full duplex call between the financial media center and the recording site. The director, director, director of dance and beauty and the on-site commander-in-chief of the event can cooperate withAll staff on site can communicate freely. At the same time, the staff are allowed to be divided into multiple working groups according to the Department. Each group can have free two-way calls without affecting other departments.



产品参数 Product parameters

频率范围：	400-470/470-510Mhz	Frequency range:	400-470 / 470-510Mhz
组网方式：	IP数字互联网网,无限距离	Networking mode:	IP digital Interconnection Networking, unlimited distance
中继方式：	多主机联合，多中继台联合	Relay mode:	multi host joint, multi relay joint
组网通话距离：	不受距离限制	Networking call distance:	not limited by distance
脱网通话距离：	可视距范围2000米	Off line call distance:	visual range: 2000m
通话方式：	全双工数字语音通话	Call mode:	full duplex digital voice call
呼叫拓展：	单台主机站支持拓展180路无线全双工数字语音通话+66路IP数字有线全双工通话	Call expansion:	a single host station supports the expansion of 180 channel wireless full duplex digital voice call + 66 channel IP digital wired full duplex call
分组通话：	单台主机站可将所有终端最多分成4组	Group call:	Single host station can divide terminals into 4 groups
选择通话：	支持	Select call:	support
Tally数量：	12路红绿双色	Tally quantity:	12 way red and green
切换台品牌：	支持所有主流切换台Tally信号	Switching station brand:	support all mainstream switching station tally signals
噪音抑制：	支持5级可调	Noise suppression:	support level 5 adjustable
主机尺寸/重量：	440*255*90mm/3.8Kg	Host size / weight:	440 * 255 * 90mm / 3.8kg
发射功率：	≤1W	Transmitting power:	≤1W
信道数：	110个	Number of channels:	110
灵敏度：	-110dbm	Sensitivity:	- 110dbm
加密方式：	32位通信密码	Encryption method:	32-bit communication password
数字语言编码：	16k采样率64bits精度	Digital language coding:	16K sampling rate 64bits accuracy

产品特点 Product Features

1.频率范围400-470/470-510Mhz,无中继模式下传输距离2000米，穿墙5-8层，不受障碍物影响。

2.发射功率≤1W，不对其它设备造成干扰。

3.氧化黑全铝材质标准2U机架式主机，尺寸/重量：440*255*90mm/3.8kg。

4.具备远程IP组网通话功能，不受地域、距离限制。

5.单台主机站支持拓展最多 180 路无线全双工数字语音通话+最多66路IP数字有线全双工通话，具备IP远程互联，能够连接不在同一地区的系统进行全双工通视话，可实现融媒体中心与采播现场的及时通话，适合大型场所(剧场剧院、体育场馆、大型节目表演等)。

6.主机站具有分组通话功能，单台主机站可将所有终端最多分成4组，每组分机自由分配数量，组与组之间通话可互不干扰，自由沟通。

- 7.支持各种通话系统互联
- (1) 支持二线制的Party-line有线通话系统
 - (2) 支持四线制的Party-line有线通话系统
 - (3) 支持AUX OUT语音输出、AUX IN语音输入
 - (4) 能够连接调音台、PSTN电话系统、模拟和数字对讲机系统
 - (5) 支持软件调度台、系统管理、录音储存、实时监看分机通话状态

- 8.具备联合组网扩展能力
- (1) 支持多主机联合工作
 - (2) 支持多中继台联合工作
 - (3) 支持本地无线中继能力

- 9.具备选择性通话能力
- (1) 使用分机隔离时主机能够按分机号允许其听说或禁止其听说
 - (2) 使用分组通话功能时分组内始终允许听和说，主机能够按分机组号选择允许某些组听主机说话或选择禁止某些组听主机说话

1. The frequency range is 400-470 / 470-510Mhz, the transmission distance is 2000m without relay mode, passing through 5-8 floors of the wall and not affected by obstacles.

2. Transmission power ≤ 1W, which will not cause interference to other equipment.

3. Oxidation black all aluminum standard 2U rack type host, size / weight: 440 * 255 * 90mm / 3.8kg.

4. It has the function of remote IP networking call, which is not limited by region and distance.

5. A single host station supports the expansion of up to 180 channels of wireless full duplex digital voice calls + up to 66 channels of IP digital wired full duplex calls. It has IP remote interconnection, can connect systems not in the same region for full duplex intervisibility calls, and can realize the timely call between the financial media center and the broadcast site, which is suitable for large places (theaters, stadiums, large-scale program performances, etc.).

6. The host station has the function of group call. A single host station can divide all terminals into 4 groups at most, and each group of extensions can freely allocate the number. The calls between groups can not interfere with each other and communicate freely.

7. Support the interconnection of various communication systems:
- (1) Party line wired communication system supporting two-wire system
 - (2) Party line wired communication system supporting four wire system
 - (3) Support aux out voice output and aux in voice input
 - (4) It can connect the mixer, PSTN telephone system, analog and digital interphone system
 - (5) Support software dispatching console, system management, recording storage and real-time monitoring of extension call status

8. Have the ability of joint networking expansion:
- (1) Support multi host joint work
 - (2) Support joint work of multiple relay stations
 - (3) Support local wireless relay capability

9. Selective call capability:
- (1) When using extension isolation, the host can allow or prohibit listening and speaking according to the extension number
 - (2) When using the group call function, listening and speaking are always allowed in the group. The host can choose to allow some groups to listen to the host or prohibit some groups from listening to the host according to the unit number

HL-P5301 数字型有线内通桌面站 Digital wired intranet desktop station



产品特点 Product Features

- 1.支持IP数字信号通话、IPL语音通信协议、100/1000Mbps网线连接，支持利用已有的局域以太网网络进行连接；
- 2.支持接受内部通话主机HL-P950PRO或数字有线桌（墙）面控制站HL-P5401/HL-P5402的选择控制功能；
- 3.支持接入HUALIAO矩阵主机进行多语音区域互联，异地跨区远程IP互联；
- 4.支持代理功能连接本地语音区域的其它设备，自动配置网络和感知并发现其它语音设备；
- 5.支持免按键持续双工通话功能，不分组模式下最大支持与180路设备同时通话；
- 6.支持桌面摆放式使用，符合人体工程学设计，与环境一体化。
1. Support IP digital signal call, support IPL voice communication protocol, 100 / 1000Mbps network cable connection, and support connection using existing local Ethernet network;
2. Support to accept the selection control function of internal call host HL-P950pro or digital wired desk (wall) control station HL-P5401 / HL-P5402;
3. Support access to the HUALIAO matrix host for multi voice area interconnection and remote IP interconnection across different regions;
4. Support the proxy function to connect other devices in the local voice area, automatically configure the network and sense and discover other voice devices;
5. It does not support the function of 180 channel continuous call with the device under the maximum key free mode;
6. Support desktop placement, comply with ergonomic design and integrate with the environment.

产品参数 Product parameters

预设配置：物理功能选择按键,扬声器，音量大小调整	Preset configuration: Physical function selection button, speaker, volume adjustment
内通线路：输入RJ45接口	Internal line: input RJ45 interface
连 接 器：鹅颈心形动圈麦克风、头戴耳机	Connector: gooseneck heart-shaped dynamic microphone, headset
远程控制：IP组网、选择通话	Remote control: IP networking, selective call
电源需求：DC 12V/1A	Power demand: DC 12V / 1A
产品尺寸：180x180x56mm	Product size: 180x180x56mm
重 量：880g	Weight: 880g

HL-P5302 数字型有线内通墙面站 Digital wired internal communication Wall Station



产品特点 Product Features

- 1.支持IP数字信号通话、IPL语音通信协议、100/1000Mbps网线连接，支持利用已有的局域以太网网络进行连接；
- 2.支持接受内部通话主机HL-P950PRO或数字有线桌（墙）面控制站HL-P5401/HL-P5402的选择控制功能；
- 3.支持接入HUALIAO矩阵主机进行多语音区域互联，异地跨区远程IP互联；
- 4.支持代理功能连接本地语音区域的其它设备，自动配置网络和感知并发现其它语音设备；
- 5.支持免按键持续双工通话功能，不分组模式下最大支持与180路设备同时通话；
- 6.支持墙面暗装嵌入式（需配墙面暗装底座），与环境一体化。
1. Support IP digital signal call, support IPL voice communication protocol, 100 / 1000Mbps network cable connection, and support connection using existing local Ethernet network;
2. Support to accept the selection control function of internal call host HL-P950pro or digital wired desk (wall) control station HL-P5401 / HL-P5402;
3. Support access to the HUALIAO matrix host for multi voice area interconnection and remote IP interconnection across different regions;
4. Support the proxy function to connect other devices in the local voice area, automatically configure the network and sense and discover other voice devices;
5. It does not support the function of 180 channel continuous call with the device under the maximum key free mode;
6. Support the embedded use of concealed installation on the wall (the concealed installation base on the wall needs to be configured) and integrate with the environment

产品参数 Product parameters

预设配置：物理功能选择按键,扬声器，音量大小调整	Preset configuration: Physical function selection button, speaker, volume adjustment
内通线路：输入RJ45接口	Internal line: input RJ45 interface
连 接 器：鹅颈心形动圈麦克风、头戴耳机	Connector: gooseneck heart-shaped dynamic microphone, headset
远程控制：IP组网、选择通话	Remote control: IP networking, selective call
电源需求：DC 12V/1A	Power demand: DC 12V / 1A
产品尺寸：225x180x56mm	Product size: 225x180x56mm
重 量：880g	Weight: 880g

HL-P5401 数字型有线内通桌面分控站 Digital wired intercom desktop sub control station



产品特点 Product Features

- 1.支持IP数字信号通话、IPL语音通信协议、100/1000Mbps网线连接, 利用已有的局域以太网网络进行连接；
- 2.支持分组控制模式, 以及选择性通话功能, 可以选择其中1台/多台或1组/多组终端进行通话;
- 3.支持免按键持续双工通话功能, 不分组模式下最大支持180路设备同时通话；
- 4.支持鹅颈话筒, 支持头戴式耳机以及扬声器扩声；
- 5.支持接入HUALIAO矩阵主机进行多语音区域互联, 与多台内部通话主机HL-P950PRO联网并联合控制, 异地跨区远程IP互联；
- 6.支持代理功能连接本地语音区域的其它设备, 自动配置网络和感知并发现其它语音设备；
7. 桌面摆放式(需配置桌面摆放部件) 或嵌入式使用, 符合人体工程学设计, 与环境一体化。

- 1.Digital wired intercom desktop sub control station 1 Support IP digital signal call and IPL voice communication protocol; It supports 100 / 1000Mbps network cable connection and uses the existing local Ethernet network for connection
2. Support packet control mode and selective call function, and you can select one or more terminals or one or more groups of terminals to call;
3. It supports the function of key free continuous duplex call, and supports up to 180 channels of equipment to talk at the same time in non grouping mode;
4. Support gooseneck microphone, headset and loudspeaker sound reinforcement;
5. Support access to the HUALIAO matrix host for multi voice area interconnection, networking and joint control with multiple internal call hosts HL-P950pro, and remote IP interconnection in different places and regions;
6. Support the proxy function to connect other devices in the local voice area, automatically configure the network and sense and discover other voice devices;
7. Desktop placement (desktop placement components shall be configured) or embedded use, which conforms to ergonomic design and is integrated with the environment.

产品参数 Product parameters

预设配置： 2.4吋显示屏、扬声器、物理功能按键、音量大小调整	Preset configuration: 2.4-inch display, speaker, physical function keys, volume adjustment
内通线路： 输入RJ45接口	Internal line: input RJ45 interface
连 接 器： 鹅颈心形动圈麦克风、头戴耳机	Connector: gooseneck heart-shaped dynamic microphone, headset
远程控制： IP组网、选择通话	Remote control: IP networking, selective call
电源需求： DC 12V/1A	Power demand: DC 12V / 1A
产品尺寸： 252x132x56mm	Product size: 252x132x56mm
重 量： 860g	Weight: 860g

HL-P5402 数字型有线内通墙面控制站 Digital wired internal wall control station



产品特点 Product Features

- 1.支持IP数字信号通话、IPL语音通信协议、100/1000Mbps网线连接, 利用已有的局域以太网网络进行连接；
- 2.支持分组控制模式, 以及选择性通话功能, 可以选择其中1台/多台或1组/多组终端进行通话;
- 3.支持免按键持续双工通话功能, 不分组模式下最大支持180路设备同时通话；
- 4.支持鹅颈话筒, 支持头戴式耳机以及扬声器扩声；
- 5.支持接入HUALIAO矩阵主机进行多语音区域互联, 与多台内部通话主机HL-P950PRO联网并联合控制, 异地跨区远程IP互联；
- 6.支持代理功能连接本地语音区域的其它设备, 自动配置网络和感知并发现其它语音设备；
7. 墙面暗装嵌入式(需配置墙面暗装底座), 与环境一体化。

- 1.Digital wired intercom desktop sub control station 1 Support IP digital signal call and IPL voice communication protocol; It supports 100 / 1000Mbps network cable connection and uses the existing local Ethernet network for connection
2. Support packet control mode and selective call function, and you can select one or more terminals or one or more groups of terminals to call;
3. It supports the function of key free continuous duplex call, and supports up to 180 channels of equipment to talk at the same time in non grouping mode;
4. Support gooseneck microphone, headset and loudspeaker sound reinforcement;
5. Support access to the HUALIAO matrix host for multi voice area interconnection, networking and joint control with multiple internal call hosts HL-P950pro, and remote IP interconnection in different places and regions;
6. Support the proxy function to connect other devices in the local voice area, automatically configure the network and sense and discover other voice devices;
7. Wall concealed installation and embedded use (wall concealed installation base shall be configured), which is integrated with the environment;

产品参数 Product parameters

预设配置： 2.4吋显示屏、扬声器、物理功能按键、音量大小调整	Preset configuration: 2.4-inch display, speaker, physical function keys, volume adjustment
内通线路： 输入RJ45接口	Internal line: input RJ45 interface
连 接 器： 鹅颈心形动圈麦克风、头戴耳机	Connector: gooseneck heart-shaped dynamic microphone, headset
远程控制： IP组网、选择通话	Remote control: IP networking, selective call
电源需求： DC 12V/1A	Power demand: DC 12V / 1A
产品尺寸： 252x132x56mm	Product size: 252x132x56mm
重 量： 860g	Weight: 860g

HL-PT520PRO无线腰包 Wireless Intercom Waistpack



产品参数 Product parameters

- 1、频率范围：400-470Mhz / 470-510Mhz
- 2、wDR8无线语音传输技术，支持8路全双工通话/180路接听
- 3、信道数可达110个；双重降噪技术，通话清晰
- 4、自组网通信，可脱离主机腰包与腰包直接通话
- 5、视距传输可达2000米、穿墙5-8层
- 6、支持状态监看功能，能把自身状态直观的显示在显示屏
- 7、配备彩色高分辨率液晶显示屏，功能设置按钮
- 8、具有tally信号输出、Type-c充电接口
- 9、内置3.7V/5000mAh锂电池；可持续通话10小时，待机15天以上
- 10、六芯MINI卡侬专业音频耳机接口，防脱拉设计安全可靠
- 11、分机尺寸/重量：29mm×110mm/220g

1. Frequency range: 400-470MHz / 470-510MHz
2. Wdr8 wireless voice transmission technology supports 8-way full duplex call / 128 way answer
3. The number of channels can reach 110; Dual noise reduction technology, clear call
4. Ad hoc network communication can be separated from the host's Bodypack and talk directly with the Bodypack
5. The line of sight transmission can reach 2000 meters and pass through 5-8 floors of the wall
6. It supports the status monitoring function and can intuitively display its own status on the display screen
7. It is equipped with color high-resolution LCD screen and function setting button
8. With tally signal output and type-C charging interface
9. Built in 3.7v/5000mah lithium battery; Continuous call for 10 hours and standby for more than 15 days
10. Six core Mini XLR head professional audio headphone interface, anti pull design, safe and reliable
11. Extension size / weight: 29mm × 110mm/220g

HL-BP101 有线内通用单耳机 Wired Intercom Single Headset



备注：此产品适配于MS-502/MS-504/BP-1001
Note: This product is suitable for MS-502 / MS-504 / BP-1001

产品特点 Product Features

四芯 Neutirk 卡侬专业音频接口，防脱拉设计	Four core neutirk XLR professional audio interface, anti pull design
头戴式单边和左右互换，甄选蛋白棉材料，佩戴舒适	It can be worn on one side and left and right side. It is made of proteincotton material and comfortable to wear
53MM 大功率封闭式动圈喇叭	53mm high power enclosed moving coil horn
14MM 动圈、心型麦克风	14mm dynamic, heart-shaped microphone

产品参数 Product parameters

额定功率 Rated Power	30mW
最大功率 Maximum Power	500mW
耳机阻抗 Earphone Impedance	60Ω
耳机灵敏度 Earphone Sensitivity	115dB/1KHz
MIC 阻抗 MIC Impedance	250Ω
MIC 灵敏度 Mic Sensitivity	-58dB/1KHz
头弓夹力 Head Bow Clamping Force	4.5N

HL-BP102 有线内通用双耳机 Wired Intercom Double Headset



备注：此产品适配于MS-502/MS-504/BP-1001
Note: This product is suitable for MS-502/MS-504/BP-1001

产品特点 Product Features

四芯 MINI 卡侬专业音频接口，防脱拉设计	Four core neutirk XLR professional audio interface, anti pull design
头戴式单边和左右互换，甄选蛋白棉材料，佩戴舒适	It can be worn on one side and left and right side. It is made of proteincotton material and comfortable to wear
53MM 大功率封闭式动圈喇叭	53mm high power enclosed moving coil horn
14MM 动圈、心型麦克风	14mm dynamic, heart-shaped microphone

产品参数 Product parameters

额定功率 Rated Power	30mW
最大功率 Maximum Power	500mW
耳机阻抗 Earphone Impedance	60Ω
耳机灵敏度 Earphone Sensitivity	115dB/1KHz
MIC 阻抗 MIC Impedance	250Ω
MIC 灵敏度 Mic Sensitivity	-58dB/1KHz
头弓夹力 Head Bow Clamping Force	4.5N

HL-BS101 无线内通主机用单耳机 Wireless Intercom Single Headset For Main Unit



备注:此产品适配于HL-BS950/HL-P950PRO/HL-P5401/HL-P5402
Note: This product is suitable for HL-BS950 / HL-P950PRO / HL-P5401 / HL-P5402

产品特点 Product Features

四芯 Neutirk 卡侬专业音频接口, 防脱拉设计	Four core neutirk XLR professional audio interface, anti pull design
头戴式单边和左右互换, 甄选蛋白棉材料, 佩戴舒适	It can be worn on one side and left and right side. It is made of protein cotton material and comfortable to wear
53MM 大功率封闭式动圈喇叭	53mm high power enclosed moving coil horn
14MM 动圈、心型麦克风	14mm dynamic, heart-shaped microphone

产品参数 Product parameters

额定功率 Rated Power	30mW
最大功率 Maximum Power	500mW
耳机阻抗 Earphone Impedance	60Ω
耳机灵敏度 Earphone Sensitivity	115dB/1KHz
MIC 阻抗 MIC Impedance	250Ω
MIC 灵敏度 Mic Sensitivity	-58dB/1KHz
头弓夹力 Head Bow Clamping Force	4.5N

HL-BS102 无线内通主机用双耳机 Wireless Intercom Double Headset For Main Unit



备注:此产品适配于HL-BS950/HL-P950PRO/HL-P5401/HL-P5402
Note: This product is suitable for HL-BS950 / HL-P950PRO / HL-P5401 / HL-P5402

产品特点 Product Features

四芯 Neutirk 卡侬专业音频接口, 防脱拉设计	Four core neutirk XLR professional audio interface, anti pull design
头戴式单边和左右互换, 甄选蛋白棉材料, 佩戴舒适	It can be worn on one side and left and right side. It is made of protein cotton material and comfortable to wear
53MM 大功率封闭式动圈喇叭	53mm high power enclosed moving coil horn
14MM 动圈、心型麦克风	14mm dynamic, heart-shaped microphone

产品参数 Product parameters

额定功率 Rated Power	30mW
最大功率 Maximum Power	500mW
耳机阻抗 Earphone Impedance	60Ω
耳机灵敏度 Earphone Sensitivity	115dB/1KHz
MIC 阻抗 MIC Impedance	250Ω
MIC 灵敏度 Mic Sensitivity	-58dB/1KHz
头弓夹力 Head Bow Clamping Force	4.5N

HL-PT100 无线内通腰包用单耳机 Wireless Intercom Single Headset For Bodypack



备注:此产品适配于HL-PT520/HL-PT520PRO/HL-P5301/HL-P5302
Note: This product is suitable for HL-PT520 / HL-PT520PRO / HL-P5301 / HL-P5302

产品特点 Product Features

六芯 MINI 卡侬专业音频接口, 防脱拉设计	six core neutirk XLR professional audio interface, anti pull design
头戴式单边和左右互换, 甄选蛋白棉材料, 佩戴舒适	It can be worn on one side and left and right side. It is made of protein cotton material and comfortable to wear
53MM 大功率封闭式动圈喇叭	53mm high power enclosed moving coil horn
14MM 动圈、心型麦克风	14mm dynamic, heart-shaped microphone

产品参数 Product parameters

额定功率 Rated Power	30mW
最大功率 Maximum Power	500mW
耳机阻抗 Earphone Impedance	60Ω
耳机灵敏度 Earphone Sensitivity	115dB/1KHz
MIC 阻抗 MIC Impedance	250Ω
MIC 灵敏度 Mic Sensitivity	-58dB/1KHz
头弓夹力 Head Bow Clamping Force	4.5N

HL-PT102 无线内通腰包用双耳机 Wireless Intercom Double Headset For Bodypack



备注:此产品适配于HL-PT520/HL-PT520PRO/HL-P5301/HL-P5302
Note: This product is suitable for HL-PT520 / HL-PT520pro / HL-P5301 / HL-P5302

产品特点 Product Features

六芯 MINI 卡侬专业音频接口, 防脱拉设计	six core neutirk XLR professional audio interface, anti pull design
头戴式单边和左右互换, 甄选蛋白棉材料, 佩戴舒适	It can be worn on one side and left and right side. It is made of protein cotton material and comfortable to wear
53MM 大功率封闭式动圈喇叭	53mm high power enclosed moving coil horn
14MM 动圈、心型麦克风	14mm dynamic, heart-shaped microphone

产品参数 Product parameters

额定功率 Rated Power	30mW
最大功率 Maximum Power	500mW
耳机阻抗 Earphone Impedance	60Ω
耳机灵敏度 Earphone Sensitivity	115dB/1KHz
MIC 阻抗 MIC Impedance	250Ω
MIC 灵敏度 Mic Sensitivity	-58dB/1KHz
头弓夹力 Head Bow Clamping Force	4.5N

HL-P240 数字型有线内通动圈鹅颈麦 Gooseneck Microphone For Main Engine



产品参数 Product parameters

产品型号:	HL-P240	Product Model:	HL-P240
产品名称:	动圈麦克风	Product Name:	Dynamic Microphone
指 向 性:	单指向	Directivity:	Single direction
频率响应:	80Hz~15KHz	Frequency Response:	80Hz~15KHz
灵 敏 度:	-54dB±3dB (0db=1V/Pa at 1KHz)	Sensitivity:	-54dB±3dB (0db=1V/Pa at 1KHz)
输出阻抗:	600Ω±30%(at 1KHz)	Output Impedance:	600Ω±30%(at 1KHz)
线 材:	Φ2mm*465mm 黑色屏蔽线	Wire Rod:	Φ2mm*465mm Black Shielded Wire1KHz)
插 头:	螺口XLR-4M	Plug:	Screw port xlr-4m
重 量:	约107g	Weight:	about 107g

备注:此产品适配于HL-P5301/HL-P5302
Note: This product is suitable for HL-P5301 / HL-P5302

HL-G18有线主机用鹅颈麦克风 Gooseneck microphone for wired host



产品参数 Product parameters

产品型号:	HL-G18	Product Model:	HL-G18
产品名称:	动圈麦克风	Product Name:	Dynamic Microphone
指 向 性:	单指向	Directivity:	Single direction
频率响应:	95Hz~12KHz	Frequency Response:	95Hz~12KHz
灵 敏 度:	-76dB±3dB (0db=1V/Pa at 1KHz)	Sensitivity:	-76dB±3dB (0db=1V/Pa at 1KHz)
输出阻抗:	760Ω±30%(at 1KHz)	Output Impedance:	760Ω±30%(at 1KHz)
线 材:	Φ2mm*465mm 黑色屏蔽线	Wire Rod:	Φ2mm*465mm Black Shielded Wire1KHz)
插 头:	卡依XLR-3M	Plug:	Xlr-3m
重 量:	约150g	Weight:	about 150g

备注:此产品适配于MS-502/MS-504/KB-502
Note: This product is suitable for MS-502 / MS-504 / KB-502

HL-BS230 主机用鹅颈麦克风 Gooseneck Microphone For Main Engine

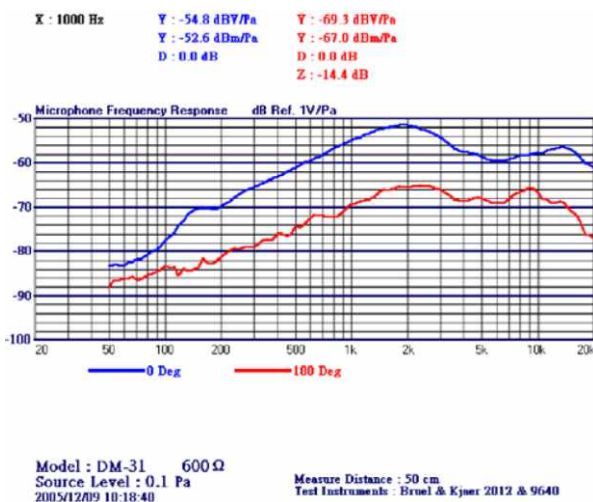


产品参数 Product parameters

产品型号	HL-BS230
Product Model	HL-BS230
产品名称	动圈麦克风
Product Name	Dynamic Microphone
指向性	单指向
Directivity	Single direction
频率响应	80Hz~15KHz
Frequency Response	80Hz~15KHz
灵敏度	-54dB±3dB (0db=1V/Pa at 1KHz)
Sensitivity	-54dB±3dB (0db=1V/Pa at 1KHz)
输出阻抗	600Ω±30%(at 1KHz)
Output Impedance	600Ω±30%(at 1KHz)
线材	Φ2mm*465mm 黑色屏蔽线
Wire Rod	Φ2mm*465mm Black Shielded Wire
插头	卡依XLR-4M
Plug	Xlr-4m
重量	约106.7g
Weight	about 106.7g

备注:此产品适配于HL-BS950/HL/P950PRO/HL-P5401/HL-P5402
Note: This product is suitable for HL-BS950 / HL / P950pro / HL-P5401 / HL-P5402

频率响应曲线图
Frequency Response Curve



HL-T12 无线双色 Tally 灯 Wireless 2 Color Tally Light



产品特点 Product Features

具有数字屏幕显示，方便调节频道、亮度、灯号。
十级亮度可调，可依据现场光线随时调整亮度，全方向可见。
工作时间达 10-30 小时。一次充电可满足多次使用。
红绿双色大面积 LED 灯阵列。
具有 ¼ 接口，支持热靴、绑带多种固定方式。
支持所有主流品牌切换台。

With digital screen display, it is convenient to adjust channel, brightness and light signal.
The brightness can be adjusted at any time according to the scene light, and it can be seen in all directions.
Working hours up to 10-30 hours. One charge can meet multiple use.
Red and green LED array with large area.
It has a quarter connector, which supports a variety of fixation methods such as hot shoes and bandages.
Support all mainstream brand switchboards.

HL-Y02 天线功分器

Antenna power divider



产品特点

Product Features

全称功率分配器，是一种将一路输入信号能量分成两路或多路输出相等或不相等能量的器件，也可反过来将多路信号能量合成一路输出，此时可也称合路器。功分器的输出端口之间应保证一定的隔离度。380MHz~2500MHz 频率段二、三、四系列功分器，应用于 GSM/CDMA/PHS/WLAN 室内覆盖工程。

Full power distributor is a device that divides one input signal energy into two or multiple output equal or unequal energy, or can also synthesize multiple signal energy into one output, which can also be called combiner. The output port of power divider shall be kept isolated to a certain extent. The two, three and four series power divider of 380mhz-2500mhz frequency section is applied to gsm/cdma/phs/wlan indoor coverage project.

可选配件

Optional Accessories



USB充电器



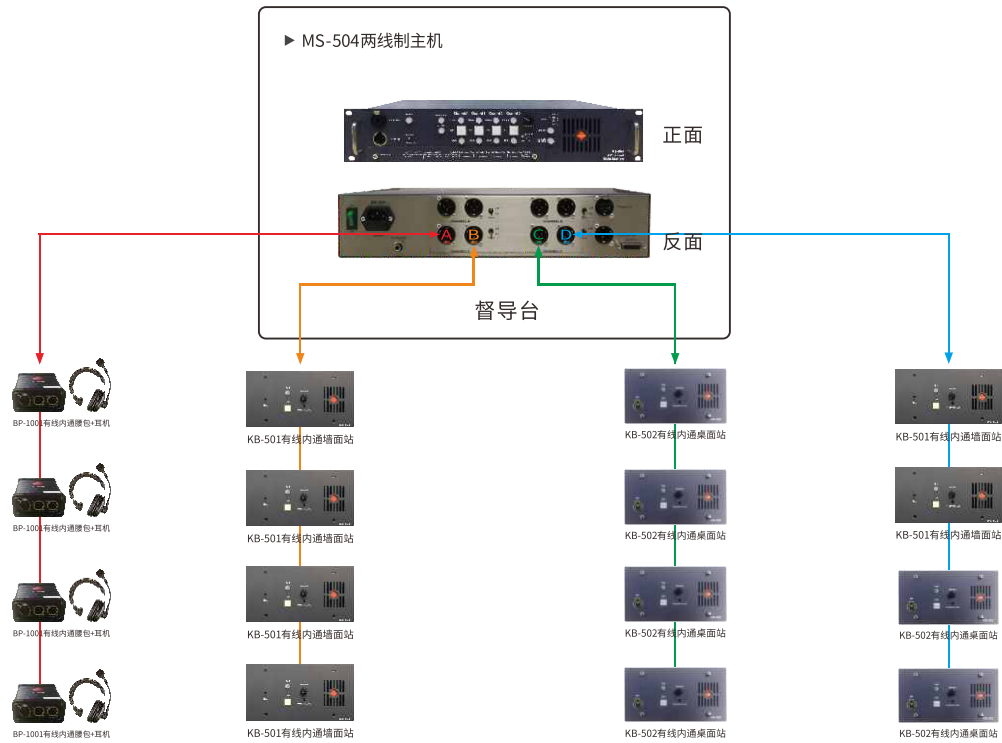
主机天线



HL-P5桌面站支架

有线内通系统方案A(模拟信号)

Wired intercommunication system scheme a (analog signal)



注：图中所用线材为高品质四芯音频线

经典案例：《北京公交集团》

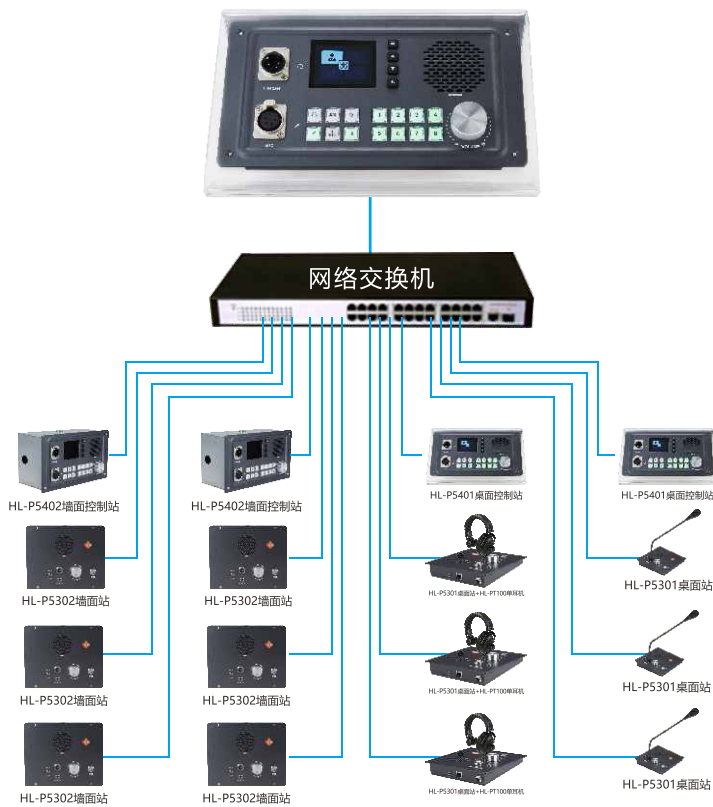
产品应用领域：剧场剧院、指挥中心、多功能报告厅等

产品型号	产品名称	产品规格	Channel A 通道A	Channel B 通道B	Channel C 通道C	Channel D 通道D	AC 交流电	DC 直流电	Link 连接	CALL LED 呼叫	Gooseneck Mic 鹅颈话筒	Beeper 蜂鸣器	headset 耳机	腰包最大连接数量	墙面站最大连接数量	桌面站最大连接数量
MS-502	有线内通主机	19"1U*200mm	√	√			√	√	√	√	√	√	√	45个	15个	15个
MS-504	有线内通主机	19"2U*200mm	√	√	√	√	√	√	√	√	√	√	√	50个	15个	15个
KB-502	有线内通桌面站	250*50*135mm						√	√	√	√	√				15个
KB-501	有线内通墙面站	250*50*135mm						√	√	√		√			15个	
BP-1001	有线内通腰包	95*43*101mm						√	√	√						
HL-BP101	有线内通单耳机															

有线内通系统方案B(数字信号)

Wired intercommunication system scheme B (digital signal)

► HL-P5401数字型有线内通桌面控制站



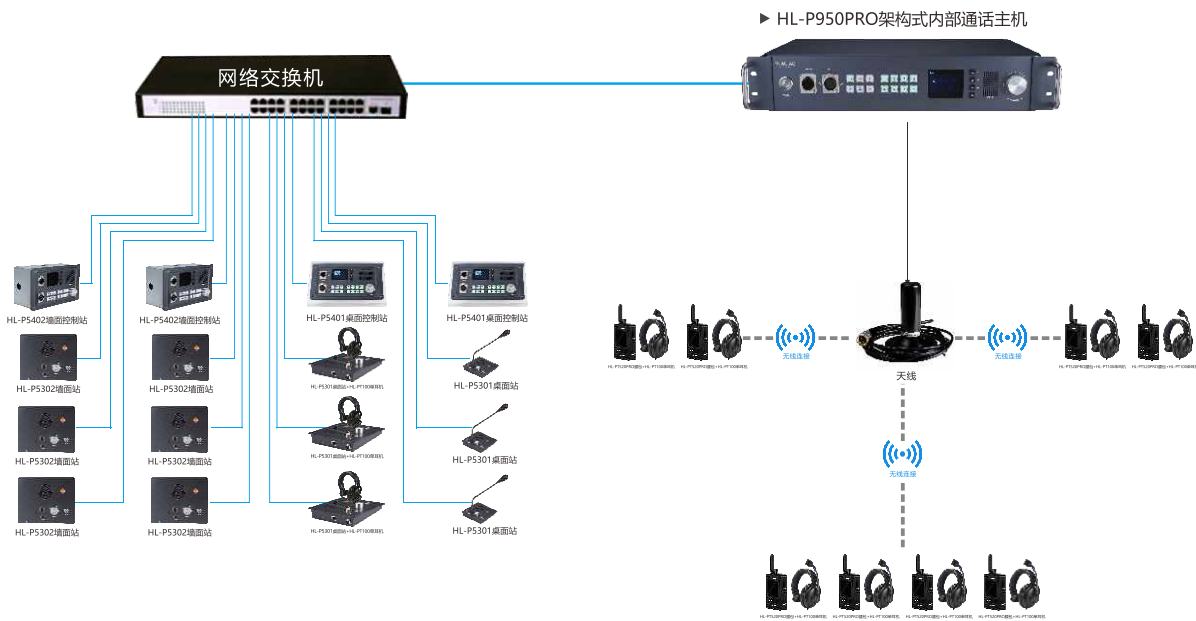
数字有线内通系统方案B

产品型号	产品名称	产品规格	墙面留孔尺寸	Fireproof 阻燃	Digital 数字信号	AC 交流电	DC 直流电	Call LED 呼叫灯	Gooseneck Mic 鹅颈话筒	Beeper 蜂鸣器	Headset 耳机	Group mode 分组模式	Status monitoring 状态监测	最大支持数量
HL-P5401	数字型有线内通桌面控制站	252*132*56/860g		√	√		12V	√	√	√	√	4组	√	66个
HL-P5402	数字型有线内通墙面控制站	252*132*86/860g	240*124*85	√	√		12V	√	√	√	√	4组	√	66个
HL-P5301	数字型有线内通桌面站	180*180*56/860g		√	√		12V	√	√	√	√	4组	√	66个
HL-P5302	数字型有线内通墙面站	225*180*56/860g	215*178*56	√	√		12V	√	√	√	√	4组	√	66个
HL-BS101	桌面/墙面控制站单耳机	四芯卡农音频接口												
HL-PT100	桌面站/墙面站单耳机	六芯 MINI 卡农音频接口												
HL-BS230	桌面/墙面控制站鹅颈麦	卡农XLR-4M												
HL-P240	桌面站/墙面站鹅颈麦	接口XLR-4M												
HL-P5	桌面控制站支架	270*200*145/700g												

超六类网线

架构式矩阵内通系统方案

Architecture matrix intercommunication system scheme



► HL-P950PRO架构式内部通话主机

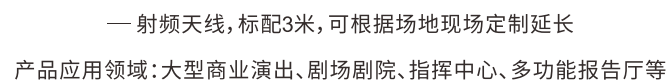
架构式矩阵内通系统方案

产品型号	产品名称	产品规格	墙面留孔尺寸	Fireproof 阻燃	Digital 数字信号	AC 交流电	DC 直流电	Call LED 呼叫灯	Gooseneck Mic 鹅颈话筒	Beeper 蜂鸣器	Headset 耳机	Bandwidth 带宽	Offline function 离线功能	Group mode 分组模式	Status monitoring 状态监测	支持有线制通信	支持无线制通信	支持4/1输入输出	最大支持数量
HL-P950PRO	架构式内部通话主机	440*250*80/3.8kg		√	√	220V		√	√	√	√	√		4组	√	√	√	√	180个
HL-PT520PRO	架构式无线内部通信分机	110*67*26/220g		√	√		5V	√			√	√	√		√				180个
HL-P5401	数字型有线内通桌面控制站	252*132*56/860g			√	√	12V	√	√	√	√			4组	√				66个
HL-P5402	数字型有线内通墙面控制站	252*132*86/860g	240*124*85		√	√	12V	√	√	√	√			4组	√				66个
HL-P5301	数字型有线内通桌面站	180*180*56/860g			√	√	12V	√	√	√	√			4组	√				66个
HL-P5302	数字型有线内通墙面站	225*180*56/860g	215*178*56		√	√	12V	√	√	√	√			4组	√				66个
HL-BS101	架构式内部通话主机单耳机	四芯卡农音频接口																	
HL-PT100	桌面/墙面控制站单耳机	四芯卡农音频接口																	
	无线腰包单耳机	六芯 MINI 卡农音频接口																	
	桌面站/墙面站单耳机	六芯 MINI 卡农音频接口																	
HL-BS230	架构式内部通话主机鹅颈麦	卡农XLR-4M																	
	桌面/墙面控制站鹅颈麦	卡农XLR-4M																	
HL-P240	桌面站/墙面站鹅颈麦	接口XLR-4M																	
HL-P5	桌面控制站支架	270*200*145/700g																	

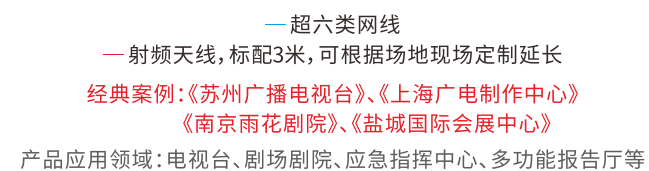
超六类网线

射频天线标配3米，可根据场地现场定制延长

Wireless + wired intercom system scheme



Wireless intercommunication system scheme

[illegible]