



Also we have **CCTV** and **VMS**...

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INTERCOM PRODUCT CATALOGUE

**General / Education / Elevator / Healthcare
Intercom System**

SAITELL TECHNOLOGY CO., LTD.



Since founded in 2006, Saitell has been providing state-of-the-art CCTV products, solutions and OEM service to clients from all over the world. In 2011, the software leader for digital video surveillance systems, Unisight Digital Technologies, Inc., becomes a joint venture partner of Saitell. This joint venture brings us a complete solution for hardware and software in CCTV field. In 2016, Saitell's product line gets enriched by IP intercom system and our surveillance solution becomes more perfect. Saitell has been authorized by Shenzhen Lonbon Technology Co., Ltd. as their Exclusive Overseas Agent.

Clients are the most important to Saitell. We are always willing to listen carefully to your needs. To realize our goal "WE PROTECT", Saitell will continue to be dedicated to satisfying all your demands and providing a complete solution to you.

Established in 1997, our factory is a leading and professional manufacturer and solution provider of audio and video intercom system in the world. Our products are manufactured under strict quality supervision, CE and RoHS certificate. Meanwhile, our factory is one of the members of China Security and Safety Council, being awarded as "Top 10 Security Brand in China" and "Top 10 residential intelligent brand".

Our factory is dedicated to the R & D of IP network products and has achieved more than thirty patents. The independent intellectual property rights of IP network digital audio and video technology thoroughly solved the problem of echo and howling; The two-way video intercom technology of IP network is in the leading position. We will uphold the innovative and pioneering spirit to produce audio and video intercom system products with high quality, fashionable style and convenient usage.



General Intercom System

- Community Application
- Elevator Application
- Education Application



Healthcare Intercom System

- Hospital Application
- Wireless Call Application
- ICU Application



Window Intercom System

- General Application
- Bank Application



GENERAL IP INTERCOM SYSTEM

● What is IP intercom system?

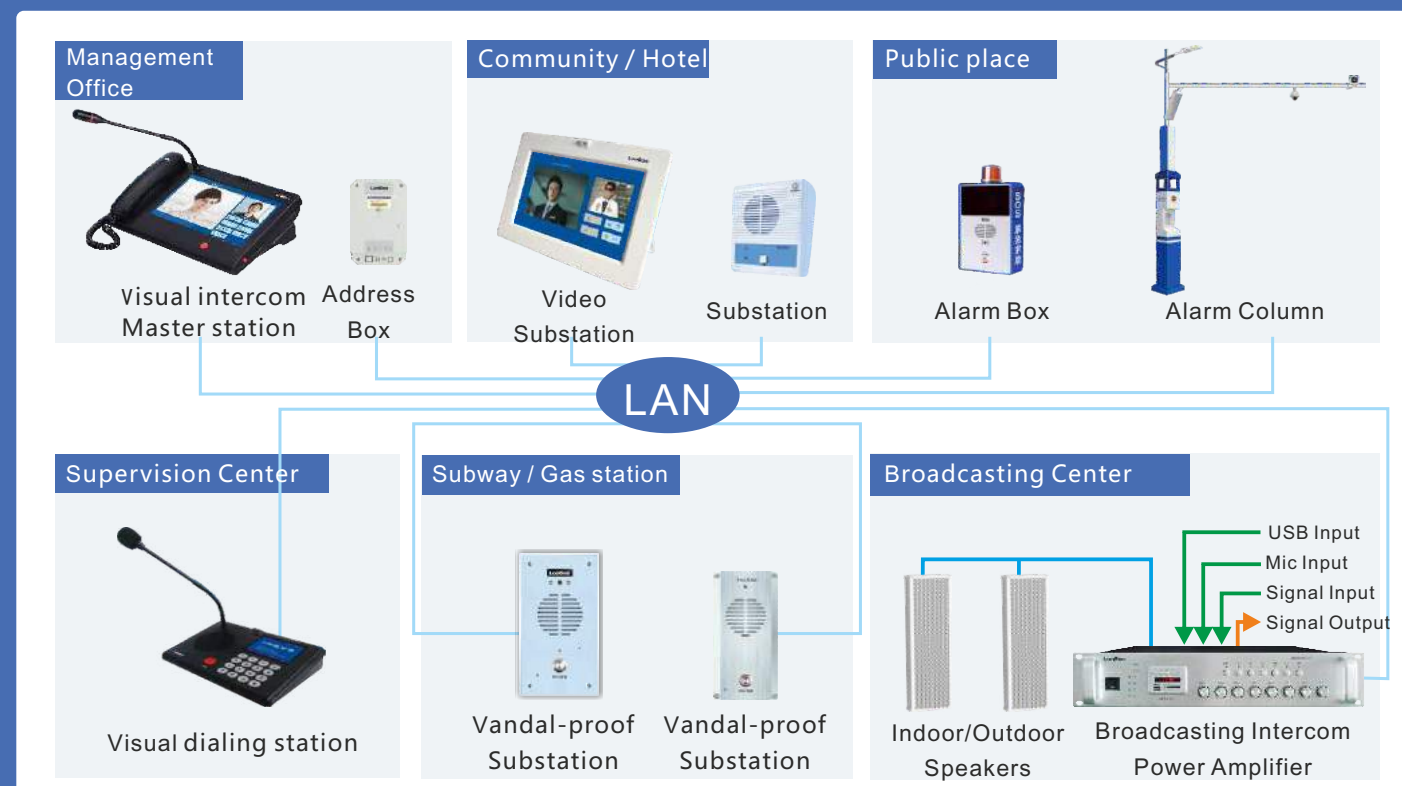
- Based on the technology of LAN transmission, it is a system integrated with alarm, intercom, monitor, broadcast, AV recording. And it can be applied in various public places, specially well used for the management of community, hotel, education, elevator, subway station etc.

● Functions and Features

- 1080P HD camera, two-way video intercom, broadcast, audio and video recording, alarm linkage.
- Multiple management, server co-location, call to upload, call forwarding, call hold.
- Cycle monitoring, shutdown transfer, call data privacy, call police for help, bi-amplification output.

● Application

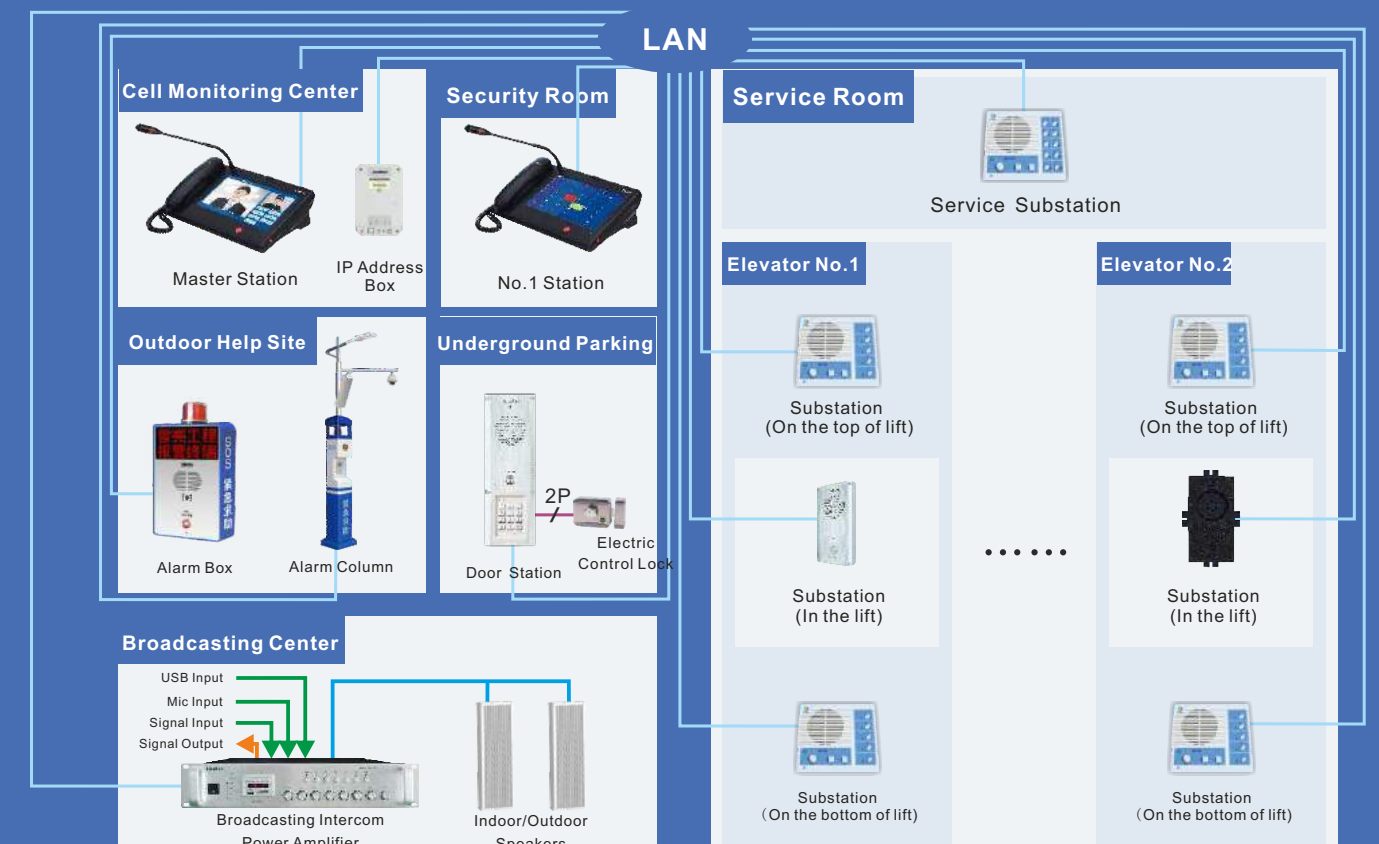
1 Community / Hotel / Expressway / Gas Station / Subway Station



2 Education LAN and WAN / Broadcasting



3 Elevator Five party same-time call / LAN and WAN / Broadcasting



Product Parameters

IP MASTER STATION

15/30/90/120/300/600/10000CH Optional
Embedded Type Optional

10.2 inch digital true color screen, capacitive touch screen,
1080P HD camera. Usually be placed on the desktop or
operation platform in the intercom management center.
Support the function of multiple management, it could be used
as the superior management master station.



NLS-15/xx

Functions and Features

- **Duplex Video Intercom**

Answer the call from substation and realize duplex video intercom; two-way call substation and realize duplex video intercom; hand-held and hands free both available.

- **Co-location**

The substations of the master station can be assigned to other superior master station for management.

- **Call Forwarding Function**

Available to forward the call from substation to the superior master station when there is no answer by the master station within a designated time.

- **Call Hold**

Available to hold the call, then choose the call from other substations.

- **Play Files**

The pre-recorded audio files can be played to the substation which is in a call.

- **Busy Call Transfer**

Available to transfer the call information of substation to the designated master stations when the called master station is busy.

- **Broadcasting Function**

Available to broadcast MP3 files, scheduled broadcast and file control broadcast to all the substations in the all region or partitioned areas. Support announce broadcast and external audio broadcast.

- **Shutdown Transfer**

If the called master station is powered off or not reached, the system can transfer the call to other superior management master station.

- **Call Data Privacy**

Encrypt data transmission to avoid being taped and ensure call safety.

- **High Definition Video**

Display HD video in full screen, and provide the data of video to display in large screen.

- **Status Alert**

Available to present the alarm or intercom status of substations by red and green colors, and add remark information for each substation.

- **Call Transfer Function**

Available to transfer the substation's call to any other master station in the system.

- **Monitoring and Surveillance**

Available to realize cycle monitoring and surveillance or separate monitoring and surveillance to substations.

- **Fast switch call and Announce**

Support one button fast switch the substation's online call and announce in all area, can recover the call after finishing it.

- **Conference Mode**

Available to talk with all the substations, and substations only can hear the speech, as the function of conference call.

- **Noise Alarm**

The master station supports to receive the noise alarm when the substation side is too noisy.

- **Time-distinction Upload**

Available to set the uploaded time of overtime no answer calls in different period of time.

- **Alarm Linkage**

Connect with other platforms via TCP when alarms, such as open the CCTV systems.

Technical Parameters

Audio Sampling Rate: 16K~ 48K Hz	Audio Mode: 16 CD Stereo Sound
Harmonic Distortion: < 0.5%	Output Frequency: 20 Hz~ 20K Hz
Audio Stream: 16Kb~ 192Kb	Signal to Noise Ratio: 70dB
Video Stream: 96Kb~ 512Kb	MIC Input Sensitivity: 10mV
External Interface: RS-485	Camera: HD1080P
Power: < 7W	Screen Resolution: 1024x600px
Work Temperature: -20℃~ +80℃	Input Voltage: DC14V
Working Humidity: 10%~ 90%	MIC Length: 325mm
Network Interface: Standard RJ45	
Network Protocols: TCP/IP, UDP, IGMP	
Broadcast Audio Formats: MP3, WAV.	
Built-in Loud Speaker Impedance Power: 20Ω, 1W	
Audio Output Level (peak to peak): <3V	
Audio Input Level (peak to peak): <1V	
Alarm Output Port: DC14V 500mA (MAX)	
Dimension: 210x330x118mm (LxWxH)	



Product Parameters

IP MASTER STATION

IP Paging Master Station

3.5 inch lcd; 1080P HD camera, available to call and video intercom.
Usually be placed on the desktop or operation platform in the
intercom management center. it could be used as the superior
management master station.



NLV-99Q

Functions and Features

- **Duplex Video Intercom**

Answer the call from substation and realize duplex video intercom; two-way call substation;

- **Check the Calls**

Available to check the records of incoming and outgoing calls, convenient for repeated call.

- **Broadcasting Function**

Available to broadcast MP3 files, scheduled broadcast and file control broadcast to all the substations in the all region or partitioned areas. Support announce broadcast and external audio broadcast.

- **Shutdown Transfer**

If the called master station is powered off or not reached, the system can transfer the call to other superior management master station.

- **Call Data Privacy**

Encrypt data transmission to avoid being taped and ensure call safety.

- **Interpose Intercom**

Available to interpose intercom with other master station and two-way video intercom with other substations.

- **Monitoring and Surveillance**

Available to realize cycle monitoring and surveillance or separate monitoring and surveillance to substations.

- **Noise Alarm**

The master station supports to receive the noise alarm when the substation side is too noisy.

- **Alarm Linkage**

Connect with other platforms via TCP when alarms, such as open the CCTV systems.

Technical Parameters

Audio sampling rate: 16K~48KHz	Audio mode: 16 CD stereo sound
Audio dream: 16Kb~192Kb	Output frequency : 20 Hz~20K Hz
Video stream: 96Kb~512Kb	Signal to noise ratio: 70dB
MIC input sensitivity: 10mV	Power: < 4.8W
Harmonic distortion: < 0.5%	Camera: HD 1080P
Input voltage: DC12V	Screen resolution: 480x272 pixels
Working humidity: 10%~ 90%	Mic length: 260mm
Network interface: standard RJ45	
Network Protocols: TCP/IP, UDP, IGMP	
Broadcast audio formats: MP3, WAV	
Built-in loudspeaker impedance power: 20ohm, 1W	
Audio output level (peak to peak): < 3V	
Audio input level (peak to peak): < 1V	
Work temperature: -20 ~ +80 degrees Celsius	
Dimension : 140x230x45mm(LxWxH)	



Product Parameters

IP MASTER STATION

5/10 Optional

Available to call and video intercom. Usually be placed on the desktop or operation platform in the intercom management center.



Functions and Features

- **Duplex Video Intercom**

Answer the call from substation and realize duplex video intercom; two-way call substation and realize duplex video intercom; hand-held and hands free both available.

- **Call Forwarding Function**

Available to forward the call from substation to the superior master station when there is no answer by the master station within a designated time.

- **Broadcasting Function**

Available to broadcast MP3 files, scheduled broadcast and file control broadcast to all the substations in the all region or partitioned areas. Support announce broadcast and external audio broadcast.

- **Status Alert**

Available to present the alarm or intercom status of substations by red and green colors, and add remark information for each substation.

- **Alarm Linkage**

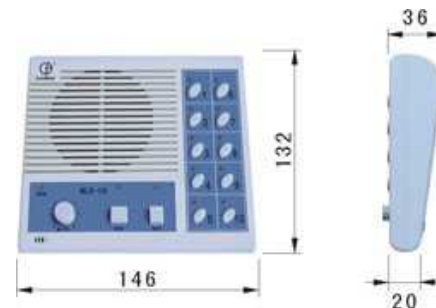
Connect with other platforms via TCP when alarms, such as open the CCTV systems.

- **Call Data Privacy**

Encrypt data transmission to avoid being taped and ensure call safety.

Technical Parameters

Audio sampling rate: 16K~48KHz	Audio mode: 16 CD stereo sound
Audio stream: 16Kb~192Kb	Output frequency: 20 Hz~20K Hz
Video stream: 96Kb~512Kb	Signal to noise ratio: 70dB
MIC input sensitivity: 10mV	Power: < 4.8W
Harmonic distortion: < 0.5%	Camera: HD 1080P
Input voltage: DC12V	Screen resolution: 480x272 pixels
Working humidity: 10%~ 90%	Mic length: 260mm
Network interface: standard RJ45	
Network Protocols: TCP/IP, UDP, IGMP	
Broadcast audio formats: MP3, WAV	
Built-in loudspeaker impedance power: 20ohm, 1W	
Audio output level (peak to peak): < 3V	
Audio input level (peak to peak): < 1V	
Work temperature: -20 ~ +80 degrees Celsius	
Dimension : 140x230x45mm(LxWxH)	

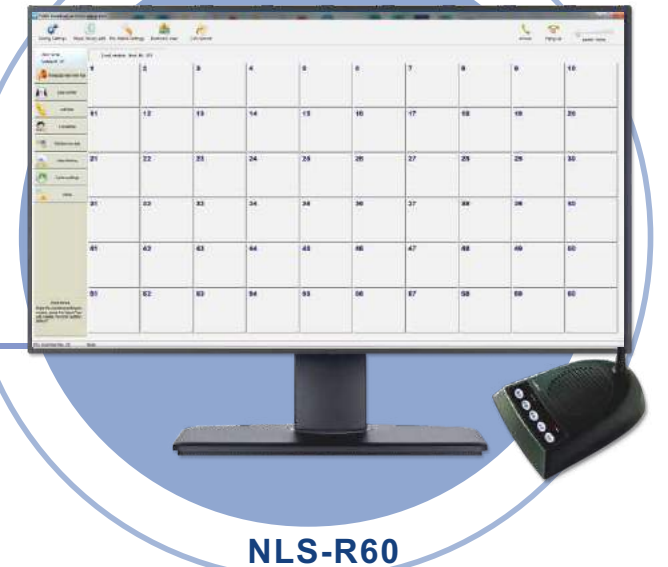


Product Parameters

SOFTWARE INTERCOM STATION

30/60/90/120/300/600CH Optional

Composed by software and intercom, installed in PC and settled in management office. 30CH/60CH/90CH/120CH software host can be used as first class management host; 300CH/600CH Dial-up software host can be used as senior class management host, also can be settled in broadcasting room and be used as intercom host.



Functions and Features

- **Duplex Video Intercom**

Answer the call from substation and realize duplex video intercom; two-way call substation and realize duplex video intercom;

- **Co-location**

The substations of the master station can be assigned to other superior master station for management.

- **Call Forwarding Function**

Available to forward the call from substation to the superior master station when there is no answer by the master station within a designated time.

- **Call Hold**

Available to hold the call, then choose the call from other substations.

- **Play Files**

The pre-recorded audio files can be played to the substation which is in a call.

- **Busy Call Transfer**

Available to transfer the call information of substation to the designated master stations when the called master station is busy.

- **Broadcasting Function**

Available to broadcast MP3 files, scheduled broadcast and file control broadcast to all the substations in the all region or partitioned areas. Support announce broadcast and external audio broadcast.

- **Shutdown Transfer**

If the called master station is powered off or not reached, the system can transfer the call to other superior management master station.

- **Split Display**

Available to split display E-MAP state and intercom video.

- **High Definition Video**

Display HD video in full screen, and provide the data of video to display in large screen.

- **Status Alert**

Available to present the alarm or intercom status of substations by red and green colors, and add remark information for each substation.

- **Call Transfer Function**

Available to transfer the substation's call to any other master station in the system.

- **Monitoring and Surveillance**

Available to realize cycle monitoring and surveillance or separate monitoring and surveillance to substations.

- **Fast switch call and Announce**

Support one button fast switch the substation's online call and announce in all area, can recover the call after finishing it.

- **Conference Mode**

Available to talk with all the substations, and substations only can hear the speech, as the function of conference call.

- **Noise Alarm**

The master station supports to receive the noise alarm when the substation side is too noisy.

- **Time-distinction Upload**

Available to set the uploaded time of overtime no answer calls in different period of time.

- **E-MAP Function**

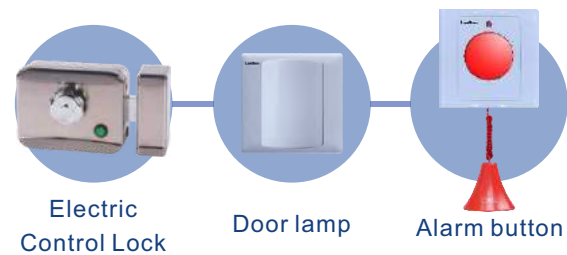
Available to call/alarm the master station or substation in E-MAP.

Technical Parameters(The Intercom)

Audio mode: 16 CD stereo sound	Audio sampling rate: 16K~48K Hz
Audio stream: 16Kb~192Kb	Output frequency: 20 Hz~20K Hz
SNR: > 90dB	Harmonic distortion: < 0.3%
Speaker: 8ohm, 2W	Power: < 2W
Working humidity: 10%~90%	Working temperature:-20~+80 Degrees
MIC input sensitivity: 10mV	Dimension: 127x118x38mm(LxWxH)

IP DOOR SUBSTATION

10.2" LCD touch screen / 1080P HD camera /
Aluminum alloy panel /
1-59 Button call master station
or substation

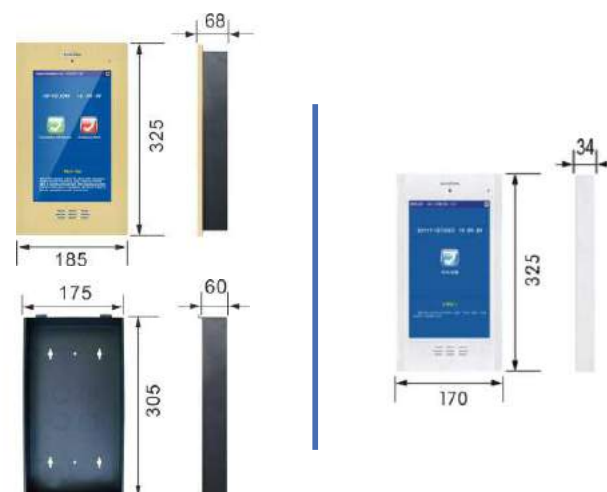


Functions and Features

- **Call/Alarm**
Available to call or send alarm to the master station when emergency. Available to set 1-59 call buttons and to call 1-59 video master stations or substations.
- **Monitor**
Receive the monitor information of the IP master station, can be used as a monitor headphone.
- **Broadcast**
Receive MP3 files or announcement from the master station via network.
- **Forced Switchover**
Force switch to max volume broadcast automatically when fire alarm happens.
- **Call Data Privacy**
Encrypt data transmission to avoid being taped and ensure call safety.
- **Duplex Video Intercom**
Duplex video intercom to the preset master station or preset substation.
- **Information Publish**
Receive and show the information released by the master station software.
- **Online Detection**
Real-time online detecting of substations, convenient for testing, repairing and maintenance.
- **Command Control**
Available to receive commands from the 3rd party software and broadcast the specified audio files.
- **Alarm Linkage**
Connect with other platforms via TCP when alarms, such as open the CCTV systems.

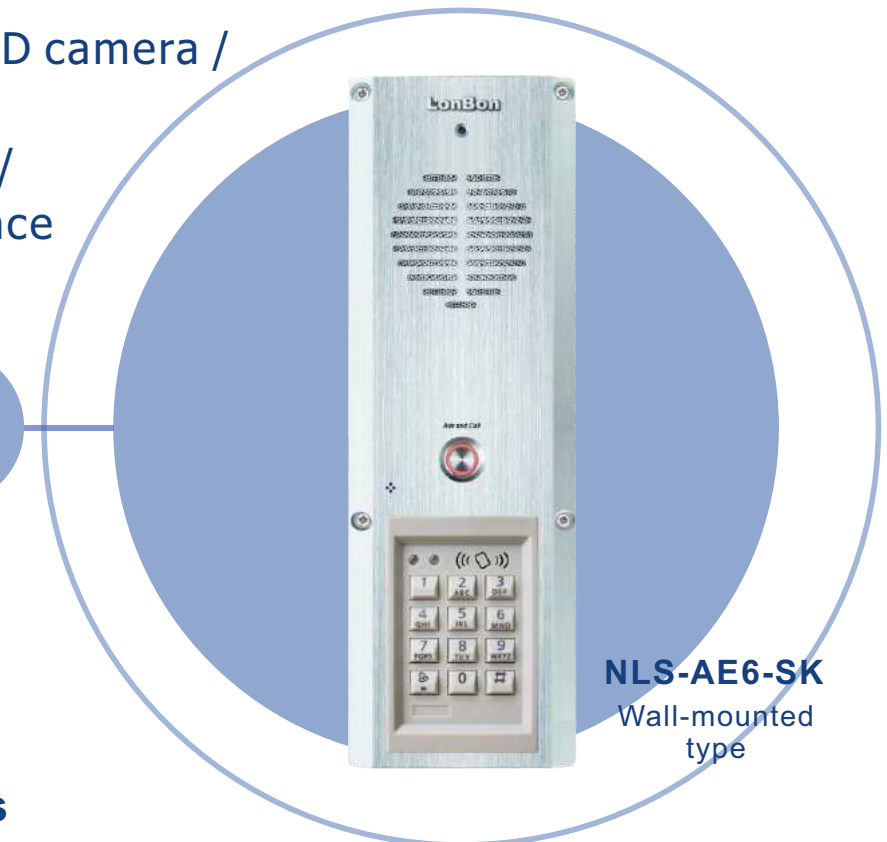
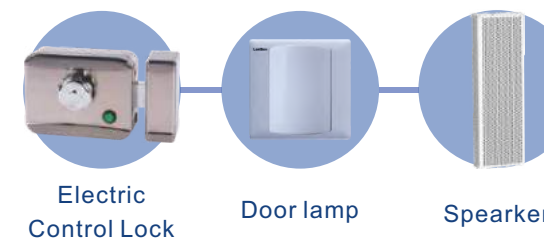
Technical Parameters

Network interface: Standard RJ45	Network Protocol: TCP/IP, UDP
Transmission rate: 10M/100Mbps	Screen Size: 10.2 inches
Video Stream: 96Kb~512Kb	Camera: HD 1080P
Audio Sampling Rate: 16K~48KHz	Audio Mode: 16 stereo audio
Audio Stream: 16Kb~192Kb	SNR: > 70dB
Harmonic Distortion: <0.5%	MIC input sensitivity: 10mV
Power: < 9W	AV storage format: H.264
Working humidity: 10%~90%	Input voltage: DC12V~18V
Audio Output Frequency: 20Hz~20KHz	
Speaker Impedance Power: Dual Channel 8ohm, 1W	
Screen Resolution: 1024x600 pixel	
Operating temperature: -20 ~ +80 degrees Celsius	
NLS-S1 Dimension : 325x185x68mm(LxWxH)	NLS-S2 Dimension : 325x170x34mm(LxWxH)



IP DOOR SUBSTATION

Encryption lock / 1080P HD camera /
Aluminum alloy panel /
Dust-proof / Anti-tamper /
Anti-destruction by violence



Functions and Features

- **Call/Alarm**
Available to call or send alarm to the master station when emergency.
- **Monitor**
Receive the monitor information of the IP master station, can be used as a monitor headphone.
- **Broadcast**
Receive MP3 files or announcement from the master station via network.
- **Forced Switchover**
Force switch to max volume broadcast automatically when fire alarm happens.
- **Tamper Alarm**
Alarm to master station automatically when tamper happens.
- **Call Data Privacy**
Encrypt data transmission to avoid being taped and ensure call safety.
- **Duplex Video Intercom**
Duplex video intercom to the master station.
- **Noise Alarm**
Available to send alarm to the master station automatically when the substation is in a continuous loud noise environment (decibel could be set).
- **Recording**
Transfer the audio and video to NVR, store and playback.
- **Command Control**
Available to receive commands from the 3rd party software and broadcast the specified audio files.
- **Alarm Linkage**
Connect with other platforms via TCP when alarms, such as open the CCTV systems.
- **Online Detection**
Real-time online detecting of substations, convenient for testing, repairing and maintenance.

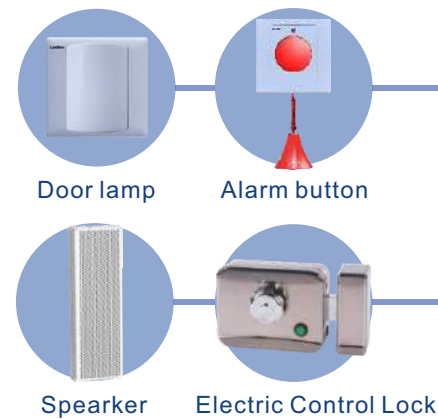
Technical Parameters

Network interface: Standard RJ45	Input Voltage: DC12V~18V
Audio sampling rate: 16K~48K Hz	Audio stream: 16Kb ~ 192Kb
Video stream: 96Kb ~ 512Kb	Output frequency: 20 Hz ~ 20K Hz
Harmonic distortion: < 0.5%	SNR: > 70dB
Camera: HD 1080P	MIC input sensitivity: 10mV
Audio mode: 16 CD stereo sound	Power: < 4W
Working humidity: 10% ~ 90%	
Network protocol: TCP/IP, UDP, IGMP	
Broadcast audio formats: MP3, WAV	
Built-in speaker impedance power: 20ohm, 2W	
Working temperature: -20 ~ +70 degrees Celsius	
Dimension : 276x90x28mm(LxWxH)	



IP SUBSTATION

Wall-mounted / Speaker type



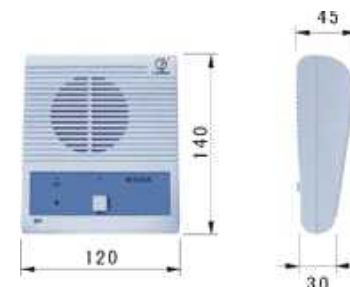
NLS-A3-S

Functions and Features

- **Call/Alarm**
Available to call or send alarm to the master station when emergency.
- **Monitor**
Receive the monitor information of the IP master station, can be used as a monitor headphone.
- **Broadcast**
Receive MP3 files or announcement from the master station via network.
- **Forced Switchover**
Force switch to max volume broadcast automatically when fire alarm happens.
- **Call Data Privacy**
Encrypt data transmission to avoid being taped and ensure call safety.
- **Duplex Video Intercom**
Duplex audio intercom to the master station.
- **Information Publish**
Receive and show the information released by the master station software.
- **Online Detection**
Real-time online detecting of substations, convenient for testing, repairing and maintenance.
- **Command Control**
Available to receive commands from the 3rd party software and broadcast the specified audio files.
- **Alarm Linkage**
Connect with other platforms via TCP when alarms, such as open the CCTV systems.

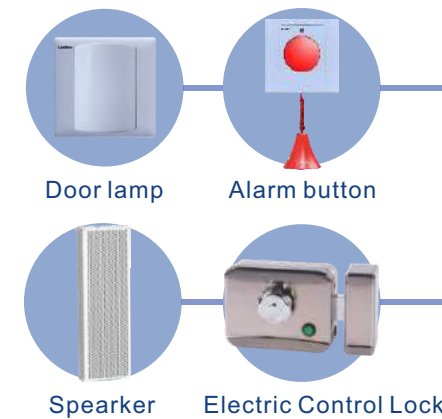
Technical Parameters

Network interface: Standard RJ45	Input Voltage: DC12V-18V
Audio sampling rate: 16K~48K Hz	Audio stream: 16Kb ~ 192Kb
Video stream: 96Kb - 512Kb	Output frequency: 20 Hz -20K Hz
Harmonic distortion: < 0.5%	SNR: > 90dB
Audio mode: 16 CD stereo sound	MIC input sensitivity: 10mV
Working humidity: 10% - 90%	Power: < 4.8W
Output voltage(Linkage): 24V 3A	
Network protocol: TCP/IP, UDP, IGMP	
Broadcast audio formats: MP3, WAV	
Built-in speaker impedance power: 20ohm, 2W	
Working temperature: -20 ~ +80 degree Celsius	
Dimension: 140x120x45mm(LxWxH), QTY of package: 44pcs	



IP SUBSTATION

Aluminum alloy panel / Dust-proof / Anti-tamper / Anti-destruction by violence



NLS-AE6-S
Wall-mounted type

NLS-AE3-S
Embedded type

Functions and Features

- **Call/Alarm**
Available to call or send alarm to the master station when emergency.
- **Monitor**
Receive the monitor information of the IP master station, can be used as a monitor headphone.
- **Broadcast**
Receive MP3 files or announcement from the master station via network.
- **Forced Switchover**
Force switch to max volume broadcast automatically when fire alarm happens.
- **Tamper Alarm**
Alarm to master station automatically when tamper happens.
- **Call Data Privacy**
Encrypt data transmission to avoid being taped and ensure call safety.
- **Duplex Video Intercom**
Duplex video intercom to the master station.
- **Noise Alarm**
Available to send alarm to the master station automatically when the substation is in a continuous loud noise environment (decibel could be set).
- **Recording**
Transfer the audio and video to NVR, store and playback.
- **Command Control**
Available to receive commands from the 3rd party software and broadcast the specified audio files.
- **Alarm Linkage**
Connect with other platforms via TCP when alarms, such as open the CCTV systems.
- **Online Detection**
Real-time online detecting of substations, convenient for testing, repairing and maintenance.

Technical Parameters

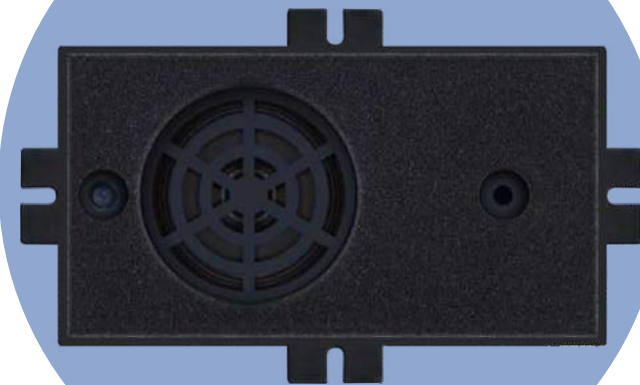
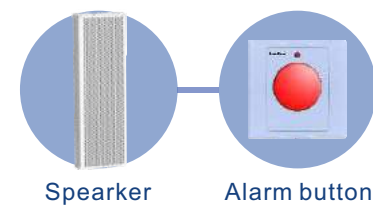
Network interface: Standard RJ45	Input Voltage: DC12V-18V
Audio sampling rate: 16K-48K Hz	Audio stream: 16Kb - 192Kb
Video stream: 96Kb - 512Kb	Output frequency: 20 Hz -20K Hz
Harmonic distortion: < 0.5%	SNR: > 70dB
Camera: HD 1080P	MIC input sensitivity: 10mV
Audio mode: 16 CD stereo sound	Power: < 4W
Working humidity: 10% - 90%	
Network protocol: TCP/IP, UDP, IGMP	
Broadcast audio formats: MP3, WAV	
Built-in speaker impedance power: 20ohm, 2W	
Working temperature: -20 ~ +80 degree Celsius	
NLS-AE3-S Dimension: 180x90x60mm (LxWxH)	
NLS-AE6-S Dimension: 180x90x28mm (LxWxH)	



IP SUBSTATION

Elevator Hidden Substation / Built-in 1080P HD camera

Hidden to install below the control box panel of the elevator car, two-way video intercom and alarm



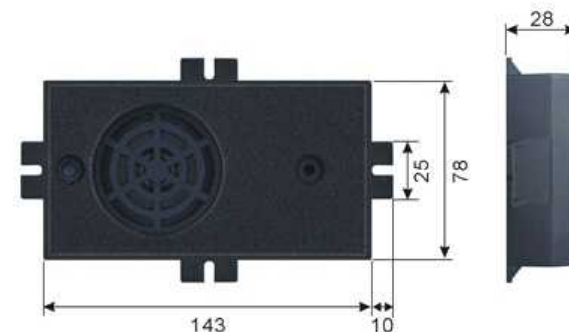
NLS-C-S

Functions and Features

- **Call/Alarm**
Available to call or send alarm to the master station when emergency.
- **Five-party Calling(Elevator Application)**
Duplex intercom with security room; duplex intercom with substations located at top, bottom of the lift and machine room.
- **Tamper Alarm**
Alarm to master station automatically when tamper happens.
- **Call Data Privacy**
Encrypt data transmission to avoid being taped and ensure call safety.
- **Online Detection**
Real-time online detecting of substations, convenient for testing, repairing and maintenance.
- **Monitor**
Receive the monitor information of the IP master station, can be used as a monitor headphone.
- **Broadcast**
Receive MP3 files or announcement from the master station via network.
- **Recording**
Transfer the audio and video to NVR, store and playback.
- **Alarm Linkage**
Connect with other platforms via TCP when alarms, such as open the CCTV systems.

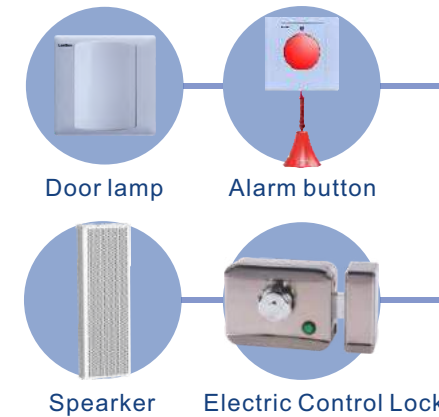
Technical Parameters

Network interface: Standard RJ45	Input voltage: DC12V~18V
Audio sampling rate: 16K~48K Hz	Audio mode:16 CD stereo sound
Audio stream: 16Kb~192Kb	Output frequency: 20 Hz~20K Hz
Harmonic distortion: < 0.5%	Signal to noise ratio: 70dB
Power: < 4.8W	MIC input sensitivity: 10mV
Output linkage pole load: 24V/3A	Camera: HD 1080P
Video stream: 96Kb~512Kb	Working humidity: 10%~90%
Work temperature: -20~+80 degrees	
Network Protocols: TCP/IP, UDP, IGMP	
Broadcast audio formats: MP3,WAV	
Builtin loudspeaker impedance power: 8ohm, 1W	
Audio output level (peak to peak): < 3V	
Dimension: 163x98x28mm(LxWxH)	



IP SUBSTATION

Microphone Type / Dust-proof / Anti-tamper / Anti-destruction by violence



NLS-HE6

Functions and Features

- **Call/Alarm**
Available to call or send alarm to the master station when emergency.
- **Five-party Calling(Elevator Application)**
Duplex intercom with security room; duplex intercom with substations located at top, bottom of the lift and machine room.
- **Tamper Alarm**
Alarm to master station automatically when tamper happens.
- **Call Data Privacy**
Encrypt data transmission to avoid being taped and ensure call safety.
- **Online Detection**
Real-time online detecting of substations, convenient for testing, repairing and maintenance.
- **Alarm Linkage**
Connect with other platforms via TCP when alarms, such as open the CCTV systems.

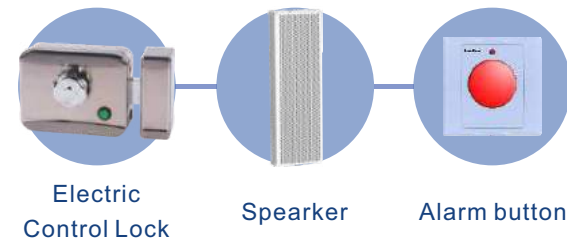
Technical Parameters

Network interface: Standard RJ45	Input voltage: DC12V~18V
Audio sampling rate: 16K~48K Hz	Audio mode:16 CD stereo sound
Audio stream: 16Kb~192Kb	Output frequency: 20 Hz~20K Hz
Harmonic distortion: < 0.5%	Signal to noise ratio: 70dB
Power: < 4.8W	MIC input sensitivity: 10mV
Output linkage pole load: 24V/3A	Working humidity: 10%~90%
Video stream: 96Kb~512Kb	
Work temperature: -20~+80 degrees	
Network Protocols: TCP/IP, UDP, IGMP	
Broadcast audio formats: MP3,WAV	
Builtin loudspeaker impedance power: 8ohm, 1W	
Audio output level (peak to peak): < 3V	
Dimension: 275x125x106mm(LxWxH)	



IP SUBSTATION

Alarm Box / Output help point / Built-in 1080P HD camera / Aluminum alloy panel / Dust-proof / Anti-tamper / Anti-destruction by violence



Functions and Features

- **Call/Alarm**
Available to call or send alarm to the master station when emergency.
- **Led Screen Display**
Available led screen displays alarm state.
- **IPC Binding**
Able to bind IP cameras/IP PTZ camera, and support the software host to check the camera image of the alarm box and panoramic image of the IP cameras simultaneously.
- **Broadcast**
Receive MP3 files or announcement from the master station via network.
- **Forced Switchover**
Force switch to max volume broadcast automatically when fire alarm happens.
- **Call Data Privacy**
Encrypt data transmission to avoid being taped and ensure call safety.
- **Duplex Video Intercom**
Duplex video intercom to the master station.
- **Alarm Flashing Light**
An external alarm flashing lights, which will flashes for indication when alarms.
- **Monitor**
Receive the monitor information of the IP master station, can be used as a monitor headphone.
- **Alarm Linkage**
Connect with other platforms via TCP when alarms, such as open the CCTV systems.
- **Online Detection**
Real-time online detecting of substations, convenient for testing, repairing and maintenance.
- **Constant Temperature**
Add heating module can keep constant temperature and make sure the device working in temperature of -40 Degrees Celsius.

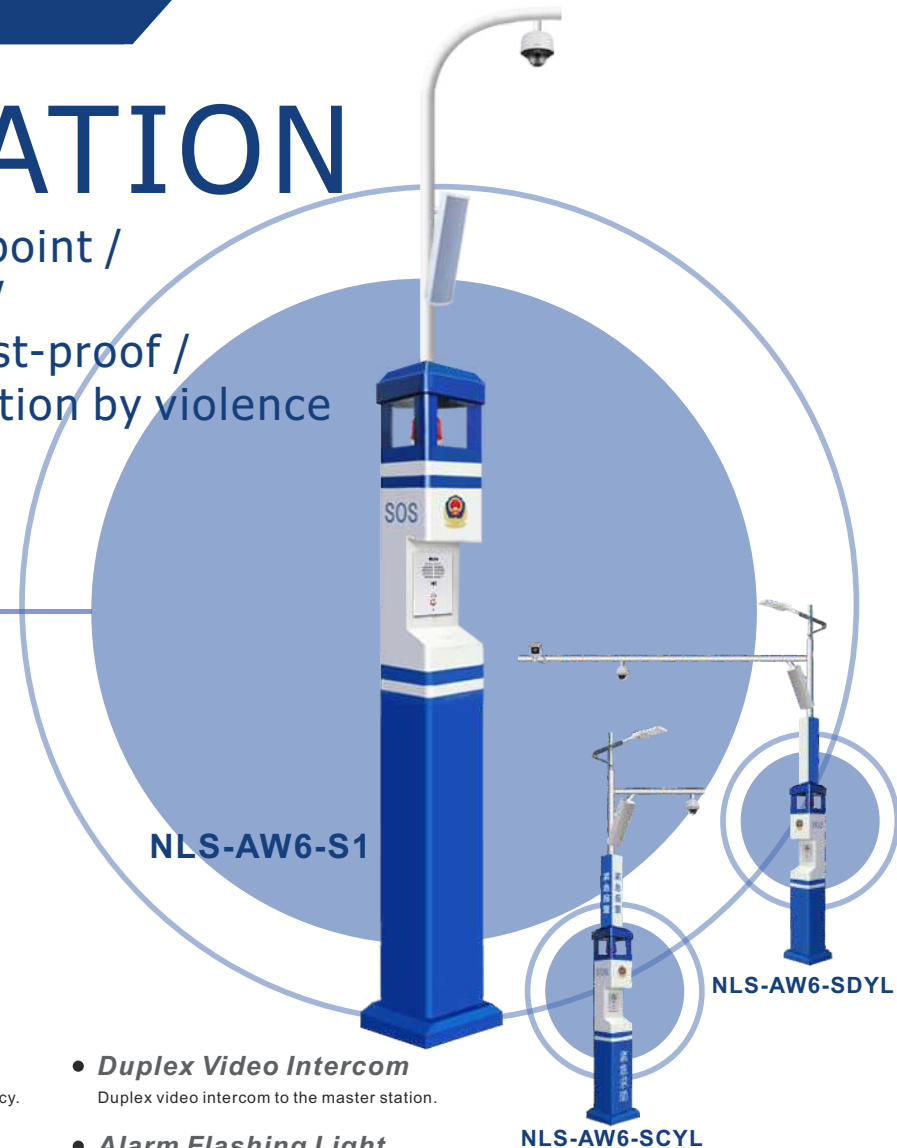
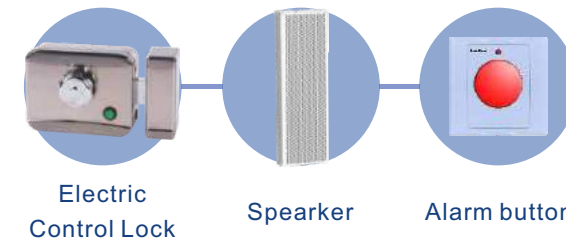
Technical Parameters

Network interface: Standard RJ45	Input voltage : DC24V/2.5A
Audio sampling rate: 16K~48K Hz	Audio mode: 16 CD stereo sound
Power: < 20W	Output frequency: 20 Hz~20K Hz
Harmonic distortion: < 0.5%	SNR: > 90dB
Speaker: 8ohm, 8W	MIC input sensitivity: 10mV
Audio stream: 16Kb~192Kb	Video stream: 128Kb~2Mb
Output linkage pole load: 24V/3A	Camera: HD 1080P
Working humidity: 10%~90%	Protection class: IP65
Network protocol: TCP/IP, UDP, IGMP	
Broadcast audio formats: MP3, WAV	
Audio output level(peak to peak): < 3V	
Working temperature:-20~+80 degrees Celsius	
Panel dimension: 422x331x4mm(LxW)	
Alarm Box dimension: 426x335x100mm (LxWxH)	
Alarm flashing light dimension: 101x113mm (DxH)	



IP SUBSTATION

Alarm Pillar / Output help point / Built-in 1080P HD camera / Aluminum alloy panel / Dust-proof / Anti-tamper / Anti-destruction by violence



Functions and Features

- **Call/Alarm**
Available to call or send alarm to the master station when emergency.
- **Broadcast**
Receive MP3 files or announcement from the master station via network.
- **IPC Binding**
Able to bind IP cameras/IP PTZ camera, and support the software host to check the camera image of the alarm box and panoramic image of the IP cameras simultaneously.
- **Forced Switchover**
Force switch to max volume broadcast automatically when fire alarm happens.
- **Call Data Privacy**
Encrypt data transmission to avoid being taped and ensure call safety.
- **Constant Temperature**
Add heating module can keep constant temperature and make sure the device working in temperature of -40 Degrees Celsius.
- **Duplex Video Intercom**
Duplex video intercom to the master station.
- **Alarm Flashing Light**
An external alarm flashing lights, which will flashes for indication when alarms.
- **Monitor**
Receive the monitor information of the IP master station, can be used as a monitor headphone.
- **Voice Extendibility**
Through external water-proof voice column, local voice can play loudly when broadcast or calling.
- **Alarm Linkage**
Connect with other platforms via TCP when alarms, such as open the CCTV systems.
- **Online Detection**
Real-time online detecting of substations, convenient for testing, repairing and maintenance.

Technical Parameters

Network interface: Standard RJ45	Input voltage : DC24V/2.5A
Audio sampling rate: 16K~48K Hz	Audio mode: 16 CD stereo sound
Power: < 20W	Output frequency: 20 Hz~20K Hz
Harmonic distortion: < 0.5%	SNR: > 90dB
Speaker: 8ohm, 8W	MIC input sensitivity: 10mV
Audio stream: 16Kb~192Kb	Video stream: 128Kb~2Mb
Output linkage pole load: 24V/3A	Camera: HD 1080P
Working humidity: 10%~90%	Protection class: IP65
Network protocol: TCP/IP, UDP, IGMP	
Broadcast audio formats: MP3, WAV	
Audio output level(peak to peak): < 3V	
Working temperature:-20~+80 degrees Celsius	
Dimension: 260x240x3400mm(LxWxH)	
Dimension: 260x240x2300mm(LxWxH)(Without the top pole)	
Pedestal dimension: 420x400x8mm(LxWxH)	

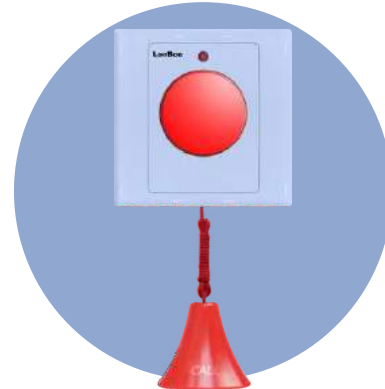
Auxiliary Equipments



HBW-ME

Door lamp

Three colours to distinguish different alarm status.



ANW1/3

Water-proof button

Water-proof, For alarm to use.



LA-P23

Audible and visual alarm

Audible and visual alarm to distinguish the status of ward calling

Auxiliary Equipments



NLS-SE

IP address box

It is a must for the IP network intercom system and one system need one only. It should be installed at the place where all the stations in the system can access to.



NLS-POE

Poe power separator

External substation, available to provide power to network substations by network cables.



POE-16

PoE switch

16 PoE Ports(4/8/24 Optional), 2 Gigabit Fiber Ports and 2 Gigabit electrical ports.



DBN-AA/AD

BUS/IP adapter

Online coding for substation; offer power for substation, etc.; work with the SEMI-IP system in Elevator application.



HBW-LE

Lightning protection device

Prevent the damage to the system caused by lightning.



HBN-PJ

Power box

24V 6.3A power supply box for master station and analog substation.



NLS-FX

IP FXO interface converter

1CH FXO interface, available to call telephone or intercom with mobile.



NLS-GSM

IP mobile converter

Included with cell module. Able to call telephone and mobile to intercom, available to send messages.



NLV-DC

Multimedia control box

Used with LCD screen, suggest to choose the LCD screen bigger than 32 inches.

HEALTHCARE IP INTERCOM SYSTEM

● What is IP intercom system?

Based on the technology of LAN transmission, healthcare video intercom system is specialized for the hospital application, also widely applied in sanatoriums, gerocomiums, maternity center and any other places which need the healthcare and nurse care. With the functions of call, intercom, service evaluation, food order, broadcast and recording.

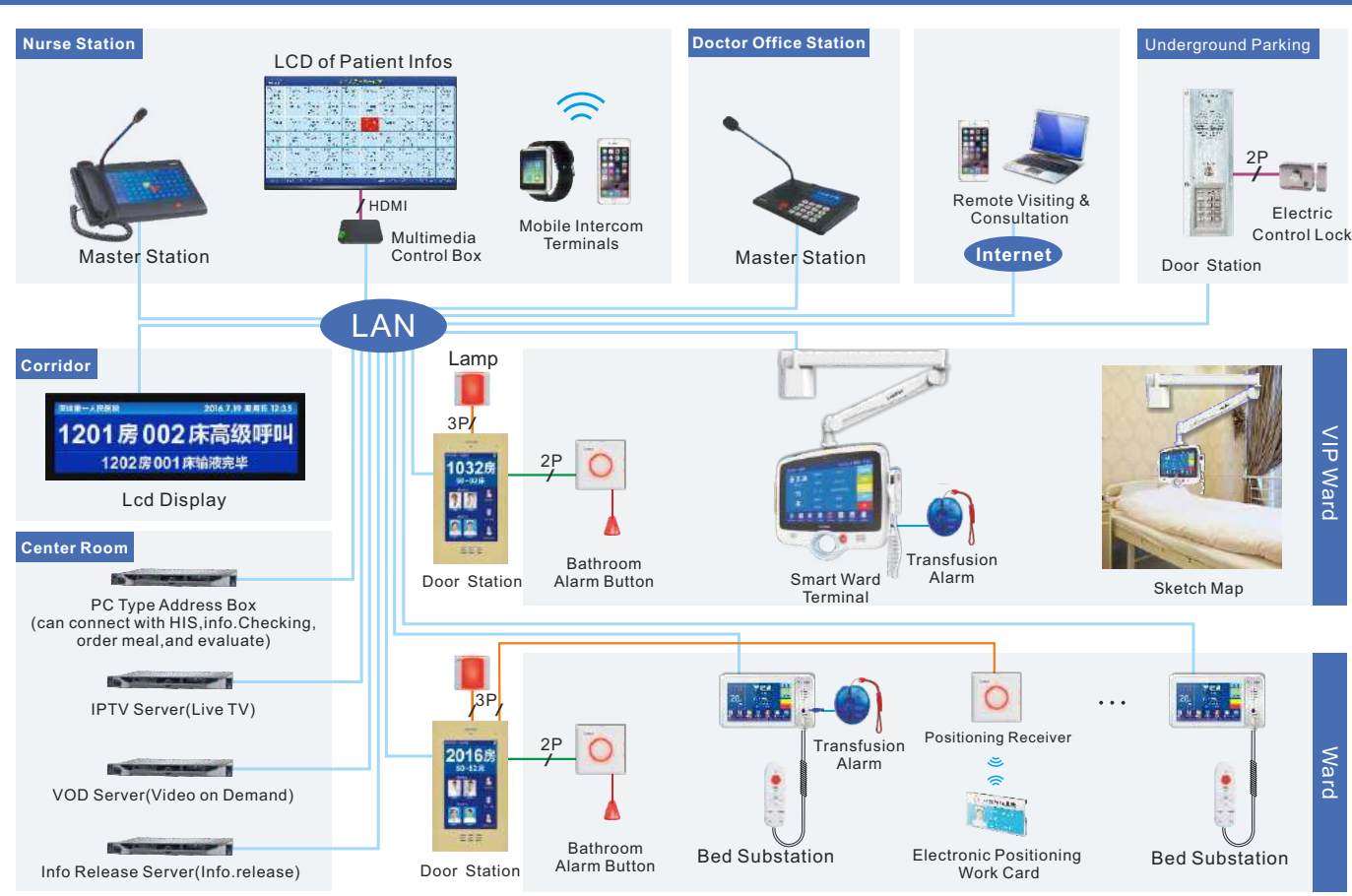
● Functions and Features

- Video two-way intercom, one-button to call, server co-location, integrated with HIS, call to upload, waiting process, nursing level.
- Nursing orientation, washroom emergency alarm, transfusion alarm, nursing reinforcement, calling care workers, reminding of changing pressing.
- Unlock the ward door, service evaluation, online order food, all-region/partition scheduled broadcast, audio and video recording, information publish.

● Application

1 IP Hospital System

LAN and WAN / Broadcasting



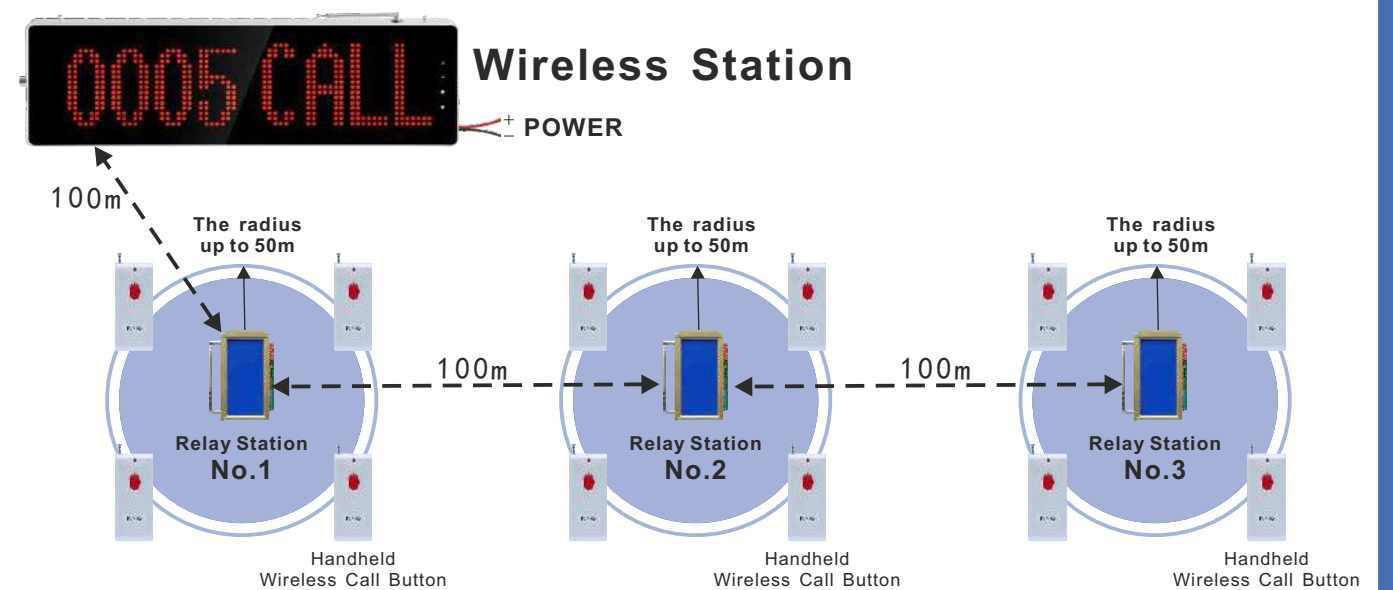
2 IP ICU System

LAN / Broadcasting



3 Wireless Calling System

LAN / Broadcasting



Description:
Up to 3 relay station; Up to 99 wireless call button;

HEALTHCARE SEMI-IP INTERCOM SYSTEM

● What is SEMI-IP intercom system?

Semi-IP a hybrid system which based on TCP/IP protocol and BUS protocol, using TCP/IP protocol(CAT5 cable) to connect master station and door substation, and BUS to connect door substation and substation. Widely applied in sanatoriums, gerocomiums, maternity center and any other places which need the healthcare and nurse care. With the functions of call, intercom, service evaluation, food order, broadcast and record.

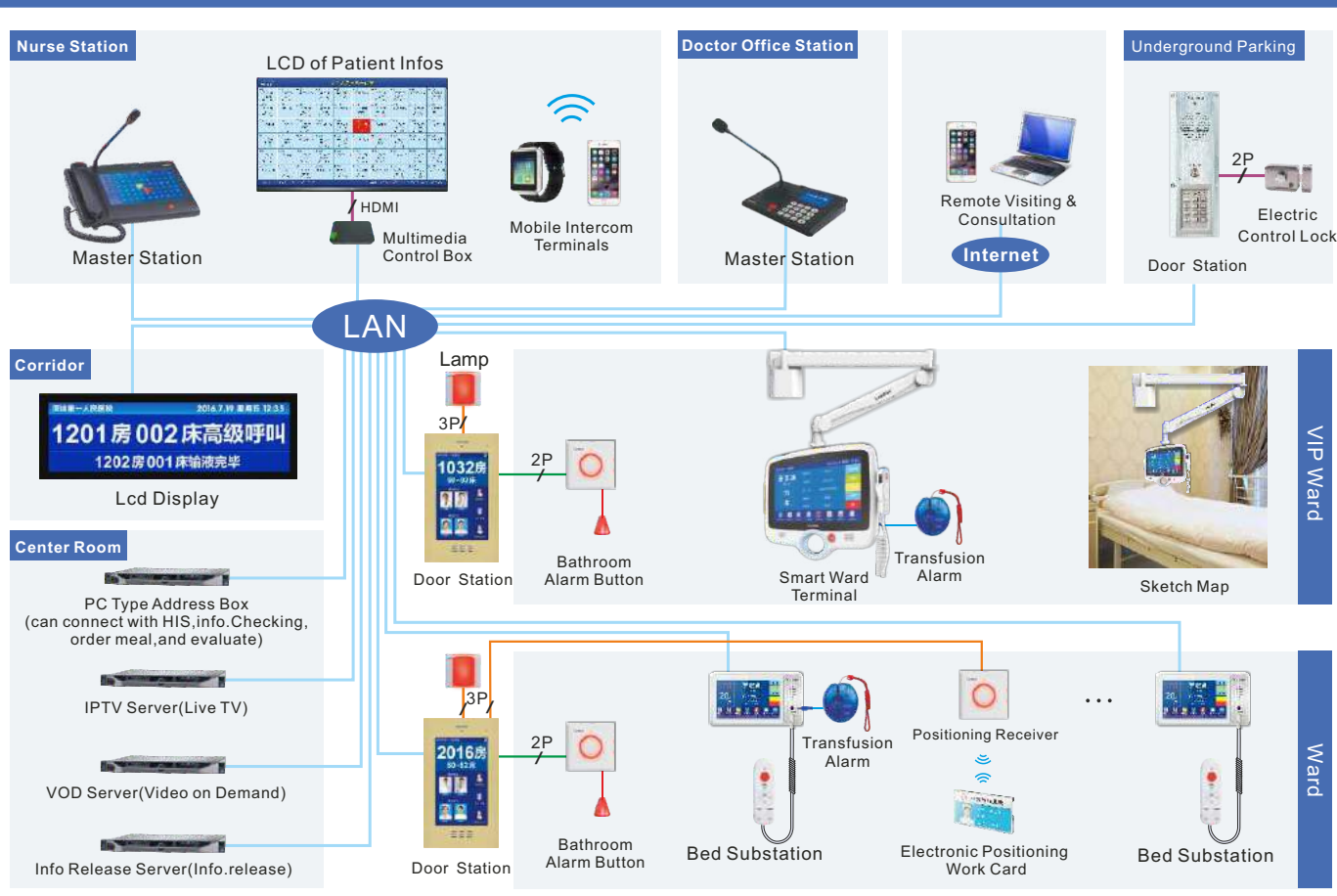
● Functions and Features

- Video two-way intercom, one-button to call, server co-location, integrated with HIS, call to upload, waiting process, nursing level.
- Nursing orientation, washroom emergency alarm, transfusion alarm, nursing reinforcement, calling care workers, reminding of changing pressing.
- Unlock the ward door, service evaluation, online order food, all-region/partition scheduled broadcast, audio and video recording, information publish.

● Application

1 SEMI-IP Hospital

LAN and WAN / Broadcasting



HEALTHCARE PRODUCT

IP MASTER STATION

30/60/90/120/300/600/10000CH Optional
Embedded Type Optional

10.2 inch digital true color screen, capacitive touch screen, 1080P HD camera. Available to be placed on the desktop of the nurse station; multilevel setting function, available to be used as the first-level management master station.



NN-30/xx

Functions and Features

• Duplex Video Intercom

Answer the call from visiting substation and realize duplex video intercom; two-way call sickbed substation and realize duplex video intercom; hand-held and hands free both available.

• Co-location

The substations of the master station can be assigned to other superior master station for management.

• Call Forwarding Function

Available to forward the call from substation to the superior master station when there is no answer by the master station within a designated time.

• Files Broadcast

Available to broadcast the pre-recorded audio file to the substation which is on the call.

• Waiting Process

Available to terminate the call from sickbed and always show the status of "waiting process" until the nurse to cancel such status by pressing button.

• Display Of The Patient List

Available to display the patient's information of each sickbed substation.

• Voice Broadcast

Available to voice broadcast the remark infos or number of the called substation.

• Multiple Interfaces

Audio input interface, RS485 communication interface, alarm output interface.

• Power Supply

Included 1PCS of power supply (14V/2A) and 3 network cables.

• HIS Integrated

Available to read, invoke the patient's infos from HIS and enter or modify patients' information.

• Status Alert

Available to present the alarm or intercom status of substations by red and green colors, and add remark information for each substation.

• Time-distinction Upload

Available to set the uploaded time of overtime no answer calls in different period of time.

• Shutdown Transfer

If the called master station is powered off or not reached, the system can transfer the call to other superior management master station.

• Unlock Ward Door

Control ward doors, available to lock or unlock the doors, and realize the video intercom with visitors and access control management.

• Synchronous Display

Available to call master station, ward door machine and corridor screen, synchronous display the infos of the call.

• Nursing Level

Available to set senior, special, normal or customized nursing level.

• Audio and Video Recording

Support audio & video recording for the call, and can check & display, storage, upload it to the serve.

Technical Parameters

Audio Sampling Rate: 16K~ 48K Hz	Audio Mode: 16 CD Stereo Sound
Harmonic Distortion: < 0.5%	Output Frequency: 20 Hz~ 20K Hz
Audio Stream: 16Kb~ 192Kb	Signal to Noise Ratio: 70dB
Video Stream: 96Kb~ 512Kb	MIC Input Sensitivity: 10mV
External Interface: RS-485	Camera: HD1080P
Power: < 7W	Screen Resolution: 1024x600px
Work Temperature: -20℃~ +80℃	Input Voltage: DC14V
Working Humidity: 10%~ 90%	MIC Length: 325mm
Network Interface: Standard RJ45	
Network Protocols: TCP/IP, UDP, IGMP	
Broadcast Audio Formats: MP3, WAV.	
Built-in Loud Speaker Impedance Power: 20Ω, 1W	
Audio Output Level (peak to peak): <3V	
Audio Input Level (peak to peak): <1V	
Alarm Output Port: DC14V 500mA (MAX)	
Dimension: 210x330x118mm (LxWxH)	



IP DOCTOR MASTER STATION

IP Paging Master Station

7 inch touch lcd; 1080P HD camera, available to call and video intercom.
Usually be placed on the desktop in the doctor office station.



NLV-99Q

Functions and Features

- **Duplex Video Intercom**

Answer the call from substation and realize duplex video intercom; two-way call substation;

- **Check the Calls**

Available to check the records of incoming and outgoing calls, convenient for repeated call.

- **Shutdown Transfer**

If the called master station is powered off or not reached, the system can transfer the call to other superior management master station.

- **Information display**

Available to display the ward number and the bed number.
Available to synchronous display the call information of the IP sickbed terminal on the master station.

- **Broadcasting Function**

Available to broadcast MP3 files, scheduled broadcast and file control broadcast to all the substations in the all region or partitioned areas.
Support announce broadcast and external audio broadcast.

Technical Parameters

Audio sampling rate: 16K~48KHz	Audio mode:16 CD stereo sound
Audio dream: 16Kb~192Kb	Output frequency : 20 Hz~20K Hz
Video stream: 96Kb~512Kb	Signal to noise ratio: 70dB
MIC input sensitivity: 10mV	Power: < 4.8W
Harmonic distortion: < 0.5%	Camera: HD 1080P
Input voltage: DC12V	Mic length: 260mm
Working humidity: 10%~ 90%	
Network interface: standard RJ45	
Network Protocols: TCP/IP, UDP, IGMP	
Broadcast audio formats: MP3, WAV	
Built-in loudspeaker impedance power: 20ohm, 1W	
Audio output level (peak to peak): < 3V	
Audio input level (peak to peak): < 1V	
Work temperature: -20 ~ +80 degrees Celsius	

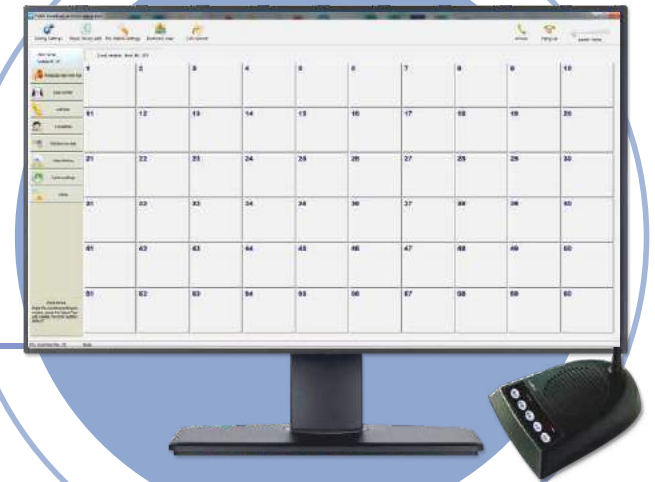
SOFTWARE INTERCOM STATION

30/60/90/120/300/600CH Optional

Composed by software and the intercom, installed in PC and settled in management office, also can be settled in broadcasting room and be used as intercom host.



E-MAP



NLS-R60

Functions and Features

- **Duplex Video Intercom**

Answer the call from substation and realize duplex video intercom; two-way call substation and realize duplex video intercom;

- **Co-location**

The substations of the master station can be assigned to other superior master station for management.

- **Call Forwarding Function**

Available to forward the call from substation to the superior master station when there is no answer by the master station within a designated time.

- **Call Hold**

Available to hold the call, then choose the call from other substations.

- **Play Files**

The pre-recorded audio files can be played to the substation which is in a call.

- **Busy Call Transfer**

Available to transfer the call information of substation to the designated master stations when the called master station is busy.

- **Broadcasting Function**

Available to broadcast MP3 files, scheduled broadcast and file control broadcast to all the substations in the all region or partitioned areas.
Support announce broadcast and external audio broadcast.

- **Shutdown Transfer**

If the called master station is powered off or not reached, the system can transfer the call to other superior management master station.

- **Split Display**

Available to split display E-MAP state and intercom video.

- **HIS Integrated**

Available to read, invoke the patient's infos from HIS and enter or modify patients' information.

- **Status Alert**

Available to present the alarm or intercom status of substations by red and green colors, and add remark information for each substation.

- **Call Transfer Function**

Available to transfer the substation's call to any other master station in the system.

- **Monitoring and Surveillance**

Available to realize cycle monitoring and surveillance or separate monitoring and surveillance to substations.

- **Fast switch call and Announce**

Support one button fast switch the substation's online call and announce in all area, can recover the call after finishing it.

- **Conference Mode**

Available to talk with all the substations, and substations only can hear the speech, as the function of conference call.

- **Noise Alarm**

The master station supports to receive the noise alarm when the substation side is too noisy.

- **Time-distinction Upload**

Available to set the uploaded time of overtime no answer calls in different period of time.

- **E-MAP Function**

Available to call/alarm the master station or substation in E-MAP.

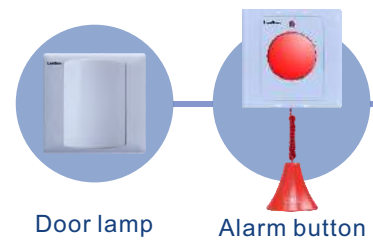
Technical Parameters(The Intercom)

Audio mode: 16 CD stereo sound	Audio sampling rate: 16K~48K Hz
Audio stream: 16Kb~192Kb	Output frequency: 20 Hz~20K Hz
SNR: > 90dB	Harmonic distortion: < 0.3%
Speaker: 8ohm, 2W	Power: < 2W
Working humidity: 10%~90%	Working temperature:-20~+80 Degrees
MIC input sensitivity: 10mV	Dimension: 127x118x38mm(LxWxH)

IP DOOR SUBSTATION

10.2" LCD touch screen / 1080P HD camera /
Aluminum alloy panel /

One unit for each ward, available to manage 9PCS of IP sickbed terminals in one ward via internet; available to connect with door lamp and water-proof button.



Functions and Features

• Information display

Available to display the ward number, the bed number, the name and photo of the doctor in charge and the name and photo of the nurse in charge. Available to synchronous display the call information of the IP sickbed terminal on the master station.

• Nursing orientation

Press the button "Entry Nursing" on the ward substation, the door lamp of the ward will turn green, and the corridor LCD will display "xxx ward is on nursing", available to answer the call or intercom with other ward's via the sickbed terminal in the ward; press the button again to cancel this function when leaving.

• Call & intercom

Available to call the master station in nurse station and doctor office, and realize two-way video intercom; available to answer the call from IP sickbed substations in other wards and realize two-way intercom.

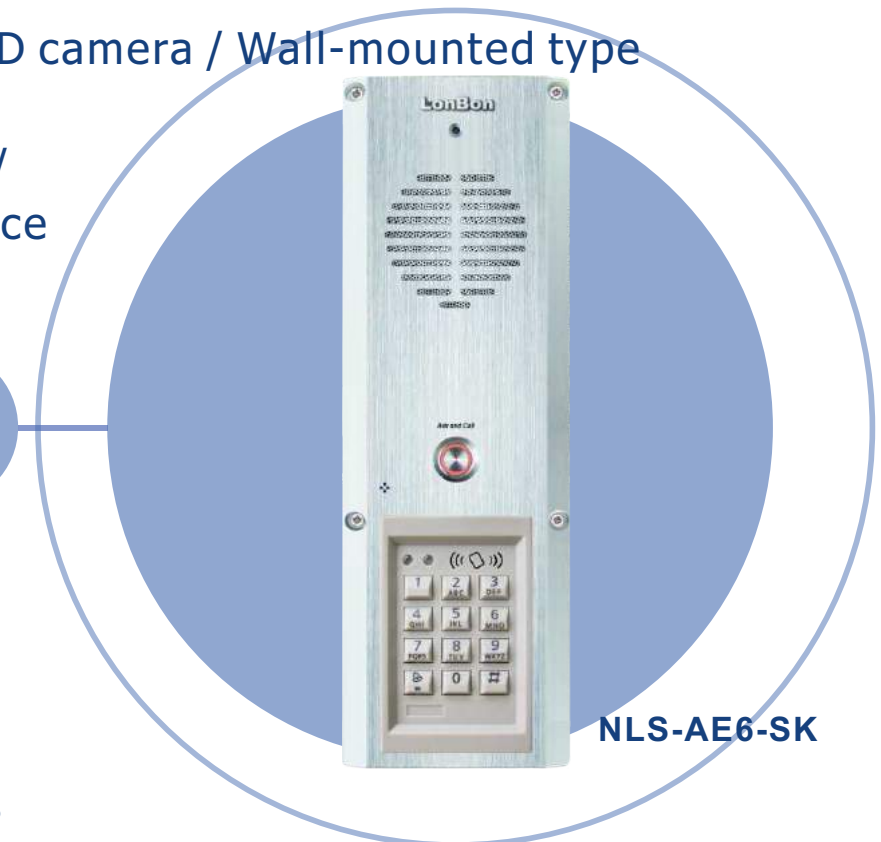
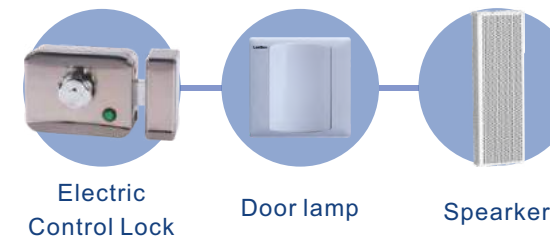
Technical Parameters

Network interface: Standard RJ45	Network Protocol: TCP/IP, UDP
Transmission rate: 10M/100Mbps	Screen Size: 10.2 inches
Video Stream: 96Kb~512Kb	Camera: HD 1080P
Audio Sampling Rate: 16K~48KHz	Audio Mode: 16 stereo audio
Audio Stream: 16Kb~192Kb	SNR: > 70dB
Harmonic Distortion: ≤0.5%	MIC input sensitivity: 10mV
Power: <9W	AV storage format: H.264
Working humidity: 10%~90%	Input voltage: DC12V~18V
Audio Output Frequency: 20Hz~20KHz	
Speaker Impedance Power: Dual Channel 8ohm, 1W	
Screen Resolution: 1024x600 pixel	
Operating temperature: -20~+80 Degrees	
NN-B10D: Dimension: 325x185x68mm(LxWxH)	NN-B10DG: Dimension: 325x170x34mm(LxWxH)



IP DOOR SUBSTATION

Encryption lock / 1080P HD camera / Wall-mounted type
Aluminum alloy panel /
Dust-proof / Anti-tamper /
Anti-destruction by violence



Functions and Features

• Call/Alarm

Available to call or send alarm to the master station when emergency.

• Monitor

Receive the monitor information of the IP master station, can be used as a monitor headphone.

• Broadcast

Receive MP3 files or announcement from the master station via network.

• Forced Switchover

Force switch to max volume broadcast automatically when fire alarm happens.

• Tamper Alarm

Alarm to master station automatically when tamper happens.

• Call Data Privacy

Encrypt data transmission to avoid being taped and ensure call safety.

• Duplex Video Intercom

Duplex video intercom to the master station.

• Noise Alarm

Available to send alarm to the master station automatically when the substation is in a continuous loud noise environment (decibel could be set).

• Recording

Transfer the audio and video to NVR, store and playback.

• Command Control

Available to receive commands from the 3rd party software and broadcast the specified audio files.

• Alarm Linkage

Connect with other platforms via TCP when alarms, such as open the CCTV systems.

• Online Detection

Real-time online detecting of substations, convenient for testing, repairing and maintenance.

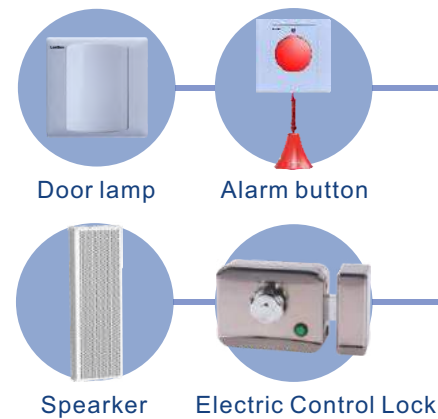
Technical Parameters

Network interface: Standard RJ45	Input Voltage: DC12V~18V
Audio sampling rate: 16K~48K Hz	Audio stream: 16Kb ~ 192Kb
Video stream: 96Kb ~ 512Kb	Output frequency: 20 Hz ~ 20K Hz
Harmonic distortion: < 0.5%	SNR: > 70dB
Camera: HD 1080P	MIC input sensitivity: 10mV
Audio mode: 16 CD stereo sound	Power: < 4W
Working humidity: 10% ~ 90%	
Network protocol: TCP/IP, UDP, IGMP	
Broadcast audio formats: MP3, WAV	
Built-in speaker impedance power: 20ohm, 2W	
Working temperature: -20 ~ +70 degrees Celsius	
Dimension: 276x90x28mm(LxWxH)	



IP SUBSTATION

Wall-mounted / Speaker type

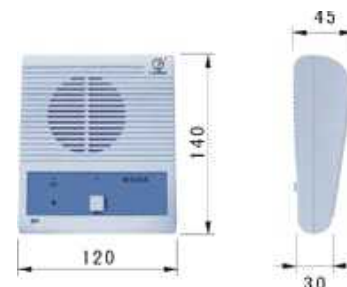


Functions and Features

- **Call/Alarm**
Available to call or send alarm to the master station when emergency.
- **Monitor**
Receive the monitor information of the IP master station, can be used as a monitor headphone.
- **Broadcast**
Receive MP3 files or announcement from the master station via network.
- **Forced Switchover**
Force switch to max volume broadcast automatically when fire alarm happens.
- **Call Data Privacy**
Encrypt data transmission to avoid being taped and ensure call safety.
- **Duplex Video Intercom**
Duplex audio intercom to the master station.
- **Information Publish**
Receive and show the information released by the master station software.
- **Online Detection**
Real-time online detecting of substations, convenient for testing, repairing and maintenance.
- **Command Control**
Available to receive commands from the 3rd party software and broadcast the specified audio files.
- **Alarm Linkage**
Connect with other platforms via TCP when alarms, such as open the CCTV systems.

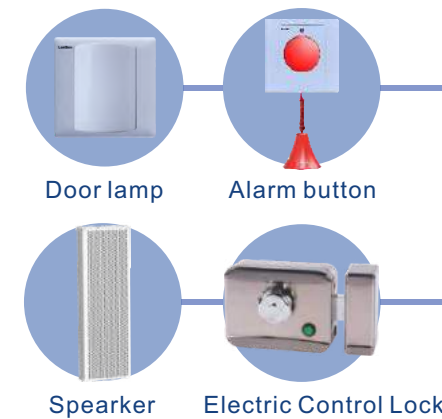
Technical Parameters

Network interface: Standard RJ45	Input Voltage: DC12V-18V
Audio sampling rate: 16K~48K Hz	Audio stream: 16Kb ~ 192Kb
Video stream: 96Kb - 512Kb	Output frequency: 20 Hz -20K Hz
Harmonic distortion: < 0.5%	SNR: > 90dB
Audio mode: 16 CD stereo sound	MIC input sensitivity: 10mV
Working humidity: 10% - 90%	Power: < 4.8W
Output voltage(Linkage): 24V 3A	
Network protocol: TCP/IP, UDP, IGMP	
Broadcast audio formats: MP3, WAV	
Built-in speaker impedance power: 20ohm, 2W	
Working temperature: -20 ~ +80 degree Celsius	
Dimension: 140x120x45mm(LxWxH), QTY of package: 44pcs	



IP SUBSTATION

Aluminum alloy panel / Dust-proof / Anti-tamper / Anti-destruction by violence



Functions and Features

- **Call/Alarm**
Available to call or send alarm to the master station when emergency.
- **Monitor**
Receive the monitor information of the IP master station, can be used as a monitor headphone.
- **Broadcast**
Receive MP3 files or announcement from the master station via network.
- **Forced Switchover**
Force switch to max volume broadcast automatically when fire alarm happens.
- **Tamper Alarm**
Alarm to master station automatically when tamper happens.
- **Call Data Privacy**
Encrypt data transmission to avoid being taped and ensure call safety.
- **Duplex Video Intercom**
Duplex video intercom to the master station.
- **Noise Alarm**
Available to send alarm to the master station automatically when the substation is in a continuous loud noise environment (decibel could be set).
- **Recording**
Transfer the audio and video to NVR, store and playback.
- **Command Control**
Available to receive commands from the 3rd party software and broadcast the specified audio files.
- **Alarm Linkage**
Connect with other platforms via TCP when alarms, such as open the CCTV systems.
- **Online Detection**
Real-time online detecting of substations, convenient for testing, repairing and maintenance.

Technical Parameters

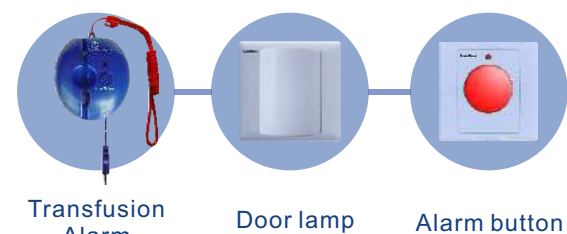
Network interface: Standard RJ45	Input Voltage: DC12V-18V
Audio sampling rate: 16K-48K Hz	Audio stream: 16Kb - 192Kb
Video stream: 96Kb - 512Kb	Output frequency: 20 Hz -20K Hz
Harmonic distortion: < 0.5%	SNR: > 70dB
Camera: HD 1080P	MIC input sensitivity: 10mV
Audio mode: 16 CD stereo sound	Power: < 4W
Working humidity: 10% - 90%	
Network protocol: TCP/IP, UDP, IGMP	
Broadcast audio formats: MP3, WAV	
Built-in speaker impedance power: 20ohm, 2W	
Working temperature: -20 ~ +80 degree Celsius	
NLS-AE3-S Dimension: 180x90x60mm (LxWxH)	
NLS-AE6-S Dimension: 180x90x28mm (LxWxH)	



IP BED SUBSTATION

7inch touch LCD / Wall-mounted / Aluminum alloy panel / Hand hold included

Available to connect with 1PCS analog camera;
Embedded on the equipment zone above the sickbed.



NN-AE07

Functions and Features

• Call/Relieving

Available to call the nurse station host and ward door substation and cancel the call.

• Service Evaluation

Available to evaluate the service of doctors and nurses, which helps to improve the service quality of the hospital.

• Light Controlling

Available to control the bed lamp by hand-held controller. (with the purchase of light control box and hand-held controller)

• Calling Care Workers

Available to call the corresponding care workers, and the wireless watch receiver equipped for the care workers can real time display the call information.

• Change Dressings

Available to remind the nurse to change dressing by pressing the button of "change dressings", also to support other user-defined voice reminder function.

• Information Inquiry

The LCD can display the patient's information and physical examination information as well as nursing marks; available to view treatment cost, hospital introduction, departments introduction; available to set the brightness of the LCD.

• Healthy-meal Order

Available to order meal online for patients, also easy for hospital's diet management.

• Nursing Orientation

Press the button "Entry Nursing" on the ward substation, the door lamp of the ward will turn green, and the corridor LCD will display "xxx ward is on nursing", available to answer the call or intercom with other ward's via the sickbed terminal in the ward; press the button again to cancel this function when leaving.

• Monitor / Watch TV

Available to receive the monitor information of the master station and to observe the conditions of patients. Available to choose the TV channel with the hand-held controller.

• Broadcast Function

Receive MP3 files or announcement from the master station.



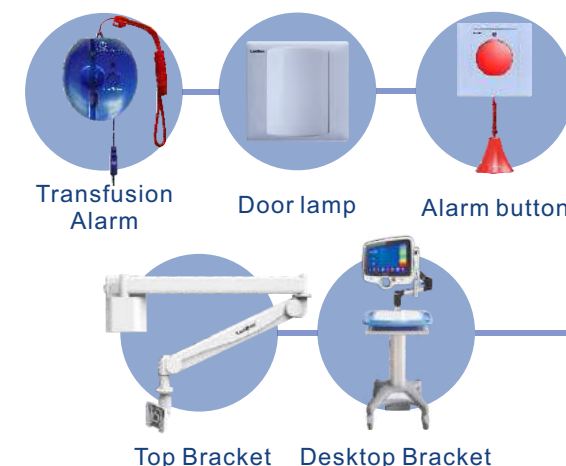
Technical Parameters

Network Interface: standard RJ45 interface	Network protocols: TCP/IP, UDP, IGMP
Audio sampling rate: 16K~48K Hz	Audio mode: 16-bit stereo CD quality
Broadcast audio formats: MP3, WAV	Output frequency: 20 Hz~20K Hz
Audio streams: 16Kb~192Kb	Harmonic Distortion: <0.5%
Speaker impedance power: two-channel 8ohm, 1W	Video Stream: 96Kb~512Kb
Recording output level: <3Vpp (peak to peak)	SNR: >70dB
Audio input level: <1Vpp (600 ohms)	MIC input sensitivity: 10mV
Screen size: 7 inches	Display resolution: 800x480 pixels
Total power consumption: <5W	Working voltage: DC12V~18V
Working temperature: -20~+80 Degrees	Humidity: 10% to 90%
Substation dimension: 128x228x26mm (LxWxH)	
Panel dimension: 128x228x5mm (LxWxH)	
Handle size: 135x43x18mm (LxWxH)	

IP BED SUBSTATION

15.6inch touch LCD / Hand hold included

Need to be used together with the Lonbon bracket(purchase separately), installed at the top of the sickbed.



NLV-M

Functions and Features

• Call/Relieving

Available to call the nurse station host and ward door substation and cancel the call.

• Service Evaluation

Available to evaluate the service of doctors and nurses, which helps to improve the service quality of the hospital.

• Light Controlling

Available to control the bed lamp by hand-held controller. (with the purchase of light control box and hand-held controller)

• Calling Care Workers

Available to call the corresponding care workers, and the wireless watch receiver equipped for the care workers can real time display the call information.

• Change Dressings

Available to remind the nurse to change dressing by pressing the button of "change dressings", also to support other user-defined voice reminder function.

• Information Inquiry

The LCD can display the patient's information and physical examination information as well as nursing marks; available to view treatment cost, hospital introduction, departments introduction; available to set the brightness of the LCD.

• Healthy-meal Order

Available to order meal online for patients, also easy for hospital's diet management.

• Nursing Orientation

Press the button "Entry Nursing" on the ward substation, the door lamp of the ward will turn green, and the corridor LCD will display "xxx ward is on nursing", available to answer the call or intercom with other ward's via the sickbed terminal in the ward; press the button again to cancel this function when leaving.

• Monitor / Watch TV

Available to receive the monitor information of the master station and to observe the conditions of patients. Available to choose the TV channel with the hand-held controller.

• Broadcast Function

Receive MP3 files or announcement from the master station.



Technical Parameters

Network Interface: standard RJ45 interface	Network protocols: TCP/IP, UDP, IGMP, RTP
Audio sampling rate: 16K~48K Hz	Audio mode: 16-bit stereo CD quality
Broadcast audio formats: MP3, WAV	Output frequency: 20 Hz~20K Hz
Video Stream: 128Kb~2Mb	Audio streams: 16Kb~192Kb
MIC input sensitivity: 10mV	Display resolution: 1366x768 pixels
Screen size: 15.6 inches	Total power consumption: <60W
Humidity: 30% to 90%	Working voltage: DC12V~18V
Working temperature: -10~+60 Degrees	
Substation dimension: 362x444x55mm(LxWxH)	
Handle size: 130x42x25mm(LxWxH)	

IP SUBSTATION

Alarm Box / Output help point / Built-in 1080P HD camera /
Aluminum alloy panel / Dust-proof /
Anti-tamper / Anti-destruction by violence



Functions and Features

- **Call/Alarm**
Available to call or send alarm to the master station when emergency.
- **Led Screen Display**
Available led screen displays alarm state.
- **IPC Binding**
Able to bind IP cameras/IP PTZ camera, and support the software host to check the camera image of the alarm box and panoramic image of the IP cameras simultaneously.
- **Broadcast**
Receive MP3 files or announcement from the master station via network.
- **Forced Switchover**
Force switch to max volume broadcast automatically when fire alarm happens.
- **Call Data Privacy**
Encrypt data transmission to avoid being taped and ensure call safety.
- **Duplex Video Intercom**
Duplex video intercom to the master station.
- **Alarm Flashing Light**
An external alarm flashing lights, which will flashes for indication when alarms.
- **Monitor**
Receive the monitor information of the IP master station, can be used as a monitor headphone.
- **Alarm Linkage**
Connect with other platforms via TCP when alarms, such as open the CCTV systems.
- **Online Detection**
Real-time online detecting of substations, convenient for testing, repairing and maintenance.
- **Constant Temperature**
Add heating module can keep constant temperature and make sure the device working in temperature of -40 Degrees Celsius.

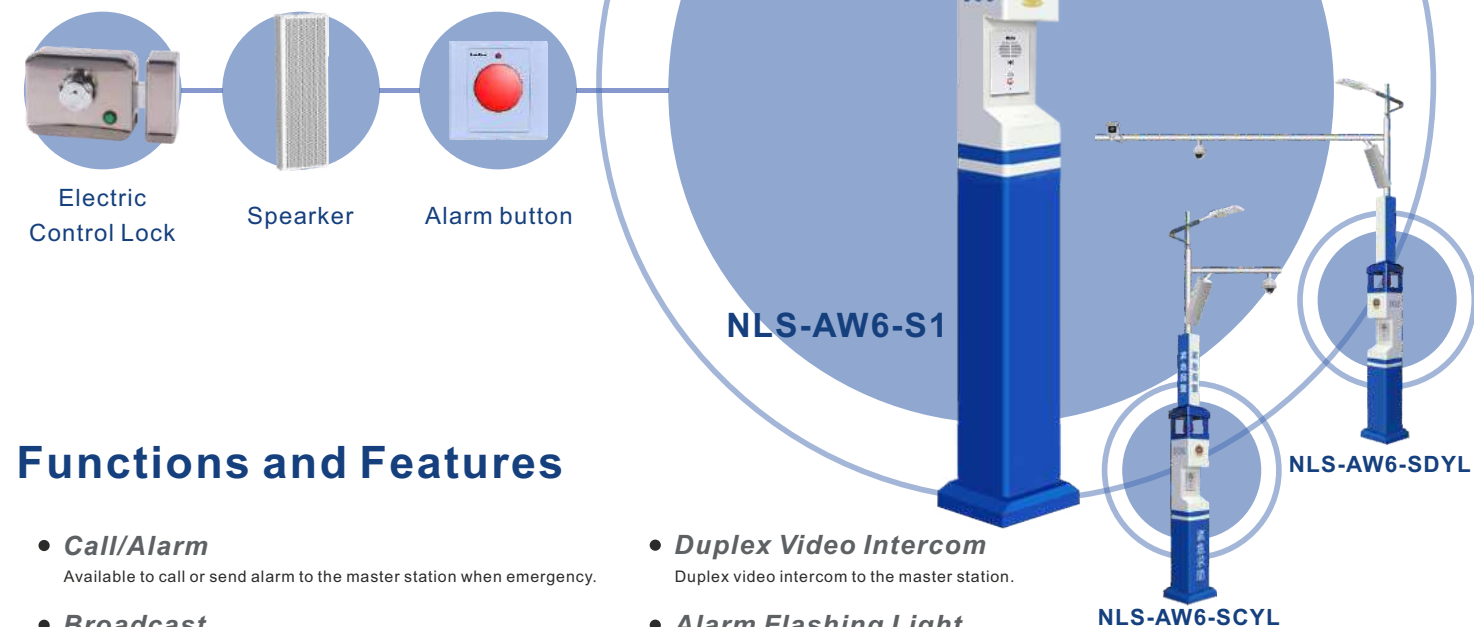
Technical Parameters

Network interface: Standard RJ45	Input voltage : DC24V/2.5A
Audio sampling rate: 16K~48K Hz	Audio mode: 16 CD stereo sound
Power: < 20W	Output frequency: 20 Hz~20K Hz
Harmonic distortion: < 0.5%	SNR: > 90dB
Speaker: 8ohm, 8W	MIC input sensitivity: 10mV
Audio stream: 16Kb~192Kb	Video stream: 128Kb~2Mb
Output linkage pole load: 24V/3A	Camera: HD 1080P
Working humidity: 10%~90%	Protection class: IP65
Network protocol: TCP/IP, UDP, IGMP	
Broadcast audio formats: MP3, WAV	
Audio output level(peak to peak): < 3V	
Working temperature:-20~+80 degrees Celsius	
Panel dimension: 422x331x4mm(LxW)	
Alarm Box dimension: 426x335x100mm (LxWxH)	
Alarm flashing light dimension: 101x113mm (DxH)	



IP SUBSTATION

Alarm Pillar / Output help point / Built-in 1080P HD camera /
Aluminum alloy panel / Dust-proof /
Anti-tamper / Anti-destruction by violence



Functions and Features

- **Call/Alarm**
Available to call or send alarm to the master station when emergency.
- **Broadcast**
Receive MP3 files or announcement from the master station via network.
- **IPC Binding**
Able to bind IP cameras/IP PTZ camera, and support the software host to check the camera image of the alarm box and panoramic image of the IP cameras simultaneously.
- **Forced Switchover**
Force switch to max volume broadcast automatically when fire alarm happens.
- **Call Data Privacy**
Encrypt data transmission to avoid being taped and ensure call safety.
- **Constant Temperature**
Add heating module can keep constant temperature and make sure the device working in temperature of -40 Degrees Celsius.
- **Duplex Video Intercom**
Duplex video intercom to the master station.
- **Alarm Flashing Light**
An external alarm flashing lights, which will flashes for indication when alarms.
- **Monitor**
Receive the monitor information of the IP master station, can be used as a monitor headphone.
- **Voice Extendibility**
Through external water-proof voice column, local voice can play loudly when broadcast or calling.
- **Alarm Linkage**
Connect with other platforms via TCP when alarms, such as open the CCTV systems.
- **Online Detection**
Real-time online detecting of substations, convenient for testing, repairing and maintenance.

Technical Parameters

Network interface: Standard RJ45	Input voltage : DC24V/2.5A
Audio sampling rate: 16K~48K Hz	Audio mode: 16 CD stereo sound
Power: < 20W	Output frequency: 20 Hz~20K Hz
Harmonic distortion: < 0.5%	SNR: > 90dB
Speaker: 8ohm, 8W	MIC input sensitivity: 10mV
Audio stream: 16Kb~192Kb	Video stream: 128Kb~2Mb
Output linkage pole load: 24V/3A	Camera: HD 1080P
Working humidity: 10%~90%	Protection class: IP65
Network protocol: TCP/IP, UDP, IGMP	
Broadcast audio formats: MP3, WAV	
Audio output level(peak to peak): < 3V	
Working temperature:-20~+80 degrees Celsius	
Dimension: 260x240x3400mm(LxWxH)	
Dimension: 260x240x2300mm(LxWxH)(Without the top pole)	
Pedestal dimension: 420x400x8mm(LxWxH)	

IP-to-Analog MASTER STATION

30/60/90/120CH Optional
Embedded Type Optional

10.2 inch digital true color screen, capacitive touch screen,
1080P HD camera. Usually be placed on the desktop, it could be
used to connect the analog substation with BUS protocol.



Power Supply Box



NBN-30/60/90/120

Functions and Features

• Duplex Video Intercom

Answer the call from visiting substation and realize duplex video intercom;
two-way call sickbed substation and realize duplex video intercom;
hand-held and hands free both available.

• Co-location

The substations of the master station can be assigned to other
superior master station for management.

• Call Forwarding Function

Available to forward the call from substation to the superior master station
when there is no answer by the master station within a designated time.

• Files Broadcast

Available to broadcast the pre-recorded audio file to the substation
which is on the call.

• Waiting Process

Available to terminate the call from sickbed and always show the status
of "waiting process" until the nurse to cancel such status by pressing button.

• Display Of The Patient List

Available to display the patient's information of each sickbed substation.

• Voice Broadcast

Available to voice broadcast the remark infos or number of the
called substation.

• Multiple Interfaces

Audio input interface, RS485 communication interface,
alarm output interface.

• Power Supply

Included 1PCS of power supply (14V/2A) and 3 network cables.

• HIS Integrated

Available to read, invoke the patient's infos from HIS and enter or
modify patients' information.

• Status Alert

Available to present the alarm or intercom status of substations by red and
green colors, and add remark information for each substation.

• Time-distinction Upload

Available to set the uploaded time of overtime no answer calls in different period of time.

• Shutdown Transfer

If the called master station is powered off or not reached, the system
can transfer the call to other superior management master station.

• Unlock Ward Door

Control ward doors, available to lock or unlock the doors, and realize
the video intercom with visitors and access control management.

• Synchronous Display

Available to call master station, ward door machine and corridor screen,
synchronous display the infos of the call.

• Nursing Level

Available to set senior, special, normal or customized nursing level.

• Audio and Video Recording

Support audio & video recording for the call, and can check & display,
storage, upload it to the serve.



Technical Parameters

Audio Sampling Rate: 16K~ 48KHz	Audio Mode: 16 CD Stereo Sound
Output Frequency: 20Hz~ 20KHz	Harmonic Distortion: < 0.5%
Signal to Noise Ratio: 70dB	Audio Stream: 16Kb~ 192Kb
Screen Dimension: 10.2inch	MIC Input Sensitivity: 10mV
Broadcast Audio Formats: MP3,WAV	Camera: 300000px
Video Stream: 96Kb~ 512Kb	Working Humidity: 10%~ 90%
Screen Resolution: 1024x600 pixels	Input Voltage: DC24V
Linkage Interface: RS-485	Power<10W
Work Temperature: -20~ +80 ℃	
Network Interface: Standard RJ45 and 5 core bus Interface	
Interaction Protocol: TCP/IP, UDP, IGMP	
Built-in Loud Speaker Impedance Power: 20Ω, 1W	
Bus Audio Input Level (peak to peak): <4V	
Bus Audio Output Voltage (peak value): <8V	
Master Station Dimension: 220x320x102mm (LxWxH)	

IP-to-Analog CONVERTER STATION

A conversion device for the signals between
Analog(To sickbed substation) and IP(To Master station);
able to external connect with 120CH analog substations.
Used with the power supply box.



Power Supply Box



HBN-AD

Functions and Features

• Duplex Video Intercom

Answer the call from substation and realize duplex video
intercom; two-way call substation;

• Broadcasting Function

Available to broadcast MP3 files, scheduled broadcast and file control
broadcast to all the substations in the all region or partitioned areas.
Support announce broadcast and external audio broadcast.

• E-Lock Control

Available to control all the E-lock of the analog substation below the
converter station.

• Call Forwarding Function

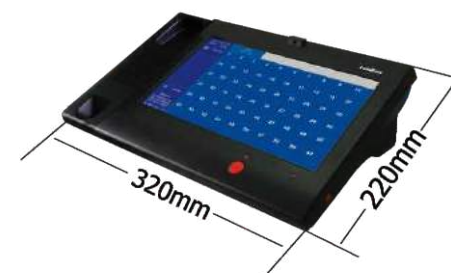
Available to forward the call from substation to the superior master station
when there is no answer by the master station within a designated time.

• Monitoring and Surveillance

Available to realize cycle monitoring and surveillance or separate monitoring
and surveillance to substations.

Technical Parameters

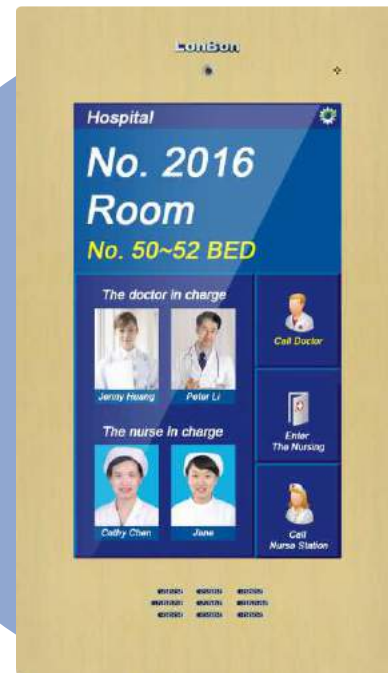
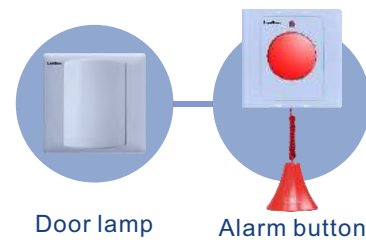
Audio sampling rate: 16K~48KHz	Audio mode:16 CD stereo sound
Output frequency: 20Hz~20KHz	Harmonic distortion: < 0.5%
Signal to noise ratio: 70dB	Audio stream : 16Kb~192Kb
Screen dimension: 10.2inch	MIC input sensitivity: 10mV
Broadcast audio formats: MP3, WAV	Camera: 5Mp
Video stream: 96Kb~512Kb	Working humidity: 10%~90%
Screen resolution: 1024x600 pixels	Input voltage : DC24V
Linkage interface: RS-485	Power<10W
Work temperature: -20~+80 degrees Celsius	
Network interface: standard RJ45 and 5 core bus interface.	
Interaction protocol: TCP/IP, UDP, IGMP	
Built-in loudspeaker impedance power: 20Ω, 1W	
Bus audio input level (peak to peak): =4V	
Bus audio output voltage (peak value): =8V	
Master Station Dimension: 220x320x102mm(LxWxH)	



IP-Analog DOOR SUBSTATION

10.2" LCD touch screen / 1080P HD camera /
Aluminum alloy panel /

One unit for each ward, available to manage 9PCS of analog sickbed substation in one ward via BUS protocol.



NN-B10B
Embedded type

Functions and Features

• Information display

Available to display the ward number, the bed number, the name and photo of the doctor in charge and the name and photo of the nurse in charge. Available to synchronous display the call information of the IP sickbed terminal on the master station.

• Nursing orientation

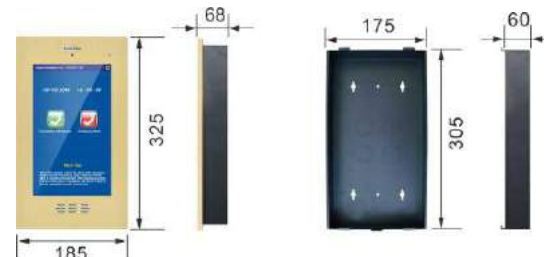
Press the button "Entry Nursing" on the ward substation, the door lamp of the ward will turn green, and the corridor LCD will display "xxx ward is on nursing", available to answer the call or intercom with other ward's via the sickbed terminal in the ward; press the button again to cancel this function when leaving.

• Call & intercom

Available to call the master station in nurse station and doctor office, and realize two-way video intercom; available to answer the call from IP sickbed substations in other wards and realize two-way intercom.

Technical Parameters

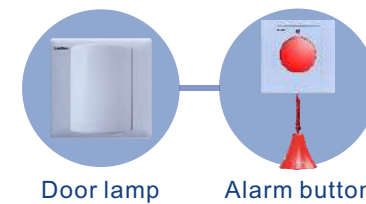
Network interface: Standard RJ45	Network Protocol: TCP/IP, UDP
Transmission rate: 10M/100Mbps	Screen Size: 10.2 inches
Video Stream: 96Kb~512Kb	Camera: HD 1080P
Audio Sampling Rate: 16K~48KHz	Audio Mode: 16 stereo audio
Audio Stream: 16Kb~192Kb	SNR: > 70dB
Harmonic Distortion: =0.5%	MIC input sensitivity: 10mV
Power: <9W	AV storage format: H.264
Working humidity: 10%~90%	Input voltage: DC12V~18V
Audio Output Frequency: 20Hz~20KHz	
Speaker Impedance Power: Dual Channel 8ohm, 1W	
Screen Resolution: 1024x600 pixel	
Operating temperature: -20~+80 Degrees	
Dimension: 325x185x68mm(LxVxH)	



Analog DOOR SUBSTATION

Wall-mounted / Speaker type

Connected with semi-digital master station and substation by three-core cable; powered by power supply box.



NBN-BM

Functions and Features

• Nursing Reinforcement

Available to call to send additional medical workers if press the button of "please reinforce" in the ward door machine.

• Nursing Position

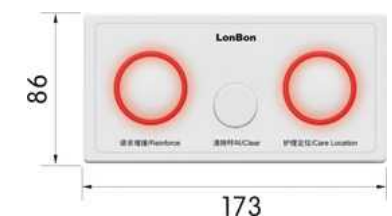
If nurses press the button of "nursing position", the light of the ward door will turn green and the screen of corridor display "xxx door machine under nursing". Press the button again to cancel the function when leaving.

• Clean Call

Available to clean the call from the ward door machine if the head nurse presses the button of clean call.

Technical Parameters

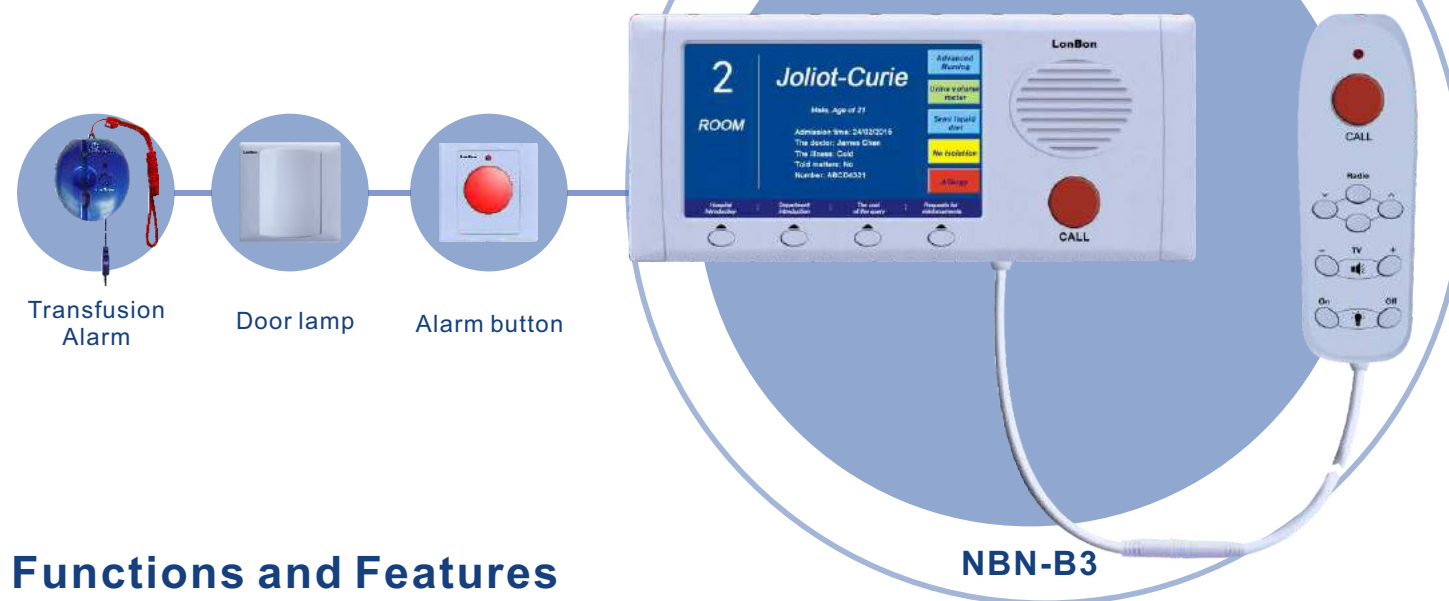
Bus Protocol: FSK, DTMF	Power: <3W
Input Voltage: DC12V~DC24V	Dimension: 173x86x10mm (LxWxH)
Working Humidity: 10%~ 90%	Operating Temperature: -20~ +80 ℃



Analog SUBSTATION

5inch LCD / Wall-mounted / Hand hold included

Able to display the nursing status and infos of the patients;
with the functions of nursing reinforcement, TV remote control etc.;
Available to control the light of bed lamp.



Functions and Features

• Call/Relieving

Available to call the nurse station host and ward door substation and cancel the call.

• Light Controlling

Available to control the bed lamp by hand-held controller .
(with the purchase of light control box and hand-held controller)

• Calling Care Workers

Available to call the corresponding care workers, and the wireless watch receiver equipped for the care workers can real time display the call information.

• Broadcast Function

Receive MP3 files or announcement from the master station.

• Information Inquiry

The LCD can display the patient's information and physical examination information as well as nursing marks; available to view treatment cost, hospital introduction, departments introduction; available to set the brightness of the LCD.

• Nursing Orientation

Press the button "Entry Nursing" on the ward substation, the door lamp of the ward will turn green, and the corridor LCD will display "xxx ward is on nursing", available to answer the call or intercom with other ward's via the sickbed terminal in the ward; press the button again to cancel this function when leaving.

• Monitor / Watch TV

Available to receive the monitor information of the master station and to observe the conditions of patients. Available to choose the TV channel with the hand-held controller.

Technical Parameters

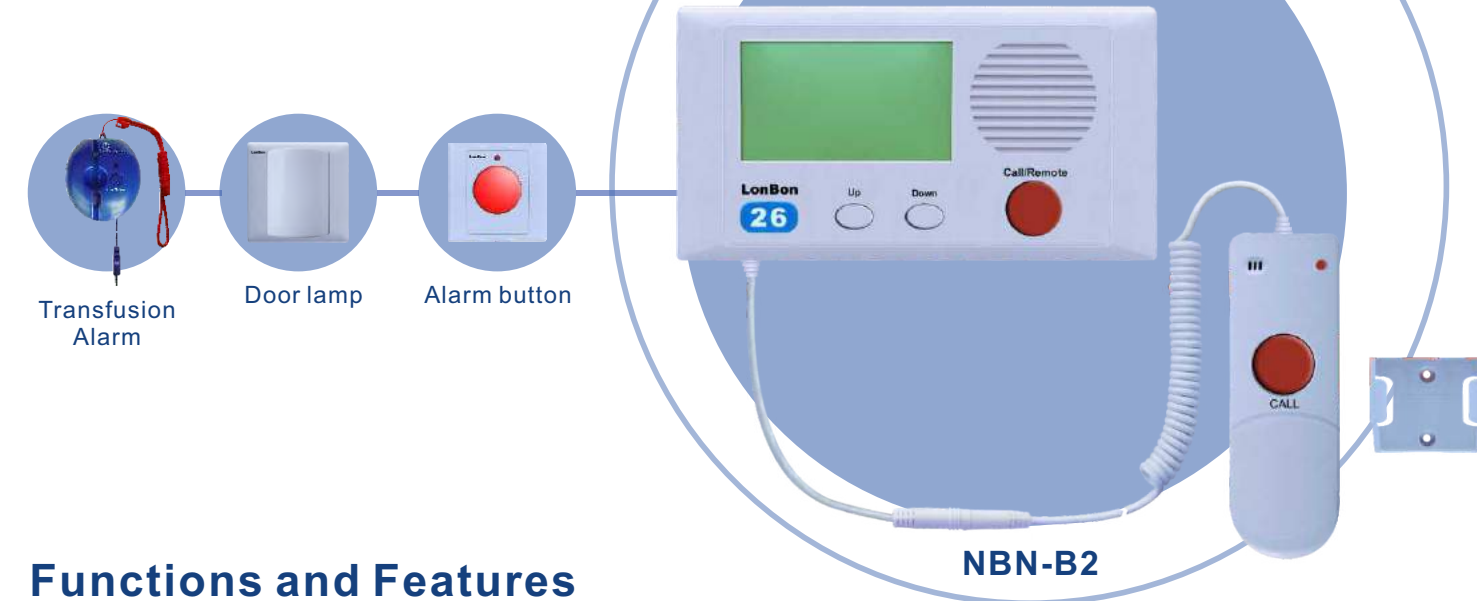
Bus Protocol: FSK, DTMF	Frequency Response: 200Hz~ 16KHz
Harmonic Distortion: ≤0.3%	MIC Input Sensitivity: 10mV
SNR: > 70dB	Work Temperature: -20~ +80 °C
Line In Input Level: 16V~31V	Working Humidity: 10%~90%
Power: ≤2.5W	Line Out Output Impedance: 300Ω
Input Voltage: DC12V~ DC24V	Power of Light Control: 200W
Controlling Distance: 8m	FM Radio Frequency: 87MHz~ 108MHz
Screen Resolution: 845x480px	
Built-in Speaker Impedance and Power: 20Ω, 1W	
Dimension: 86x190x15mm (LxWxH)	
Hand-held Pagers Dimension: 130x36x18mm (LxWxH), wire Length: 2m	
Schematic diagram of substation's wire holes and screw holes on the device strip	



Analog SUBSTATION

LCD / Wall-mounted / Hand hold included

Wall-mounted; connected with IP-Analog master station or analog door substation by BUS protocol; powered by power supply box.



Functions and Features

• Call/Relieving

Available to call the nurse station host and ward door substation and cancel the call.

• Duplex Video Intercom

Answer the call from visiting substation and realize duplex video intercom; two-way call sickbed substation and realize duplex video intercom; hand-held and hands free both available.

• Information Inquiry

The LCD can display the patient's information and physical examination information as well as nursing marks; available to view treatment cost, hospital introduction, departments introduction; available to set the brightness of the LCD.

• Broadcast Function

Receive MP3 files or announcement from the master station.

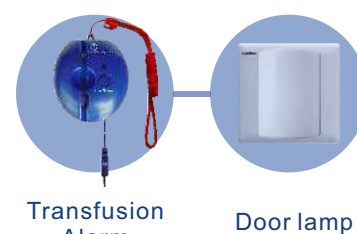
Technical Parameters

Bus Protocol: FSK, DTMF	Line In Input Level: 16V~ 31V
Harmonic Distortion: ≤0.3%	MIC Input Sensitivity: 10mV
SNR: >70dB	Work Temperature: -20~ +80 °C
Power: ≤2W	Working Humidity: 10%~ 90%
Line Out Output Impedance: 300Ω	Input Voltage: DC12V~ DC24V
Built-in Speaker Impedance and Power: 20Ω, 1W	
Frequency Response: 200Hz~ 16KHz	
Substation Dimension: 86x155x14mm (LxWxH)	
Hand-held Pagers Dimension: 105x35x8mm (LxWxH)	
Schematic diagram of substation's wire holes and screw holes on the device strip	
The spring line Length: 3M (maximum tension); 80cm (hanging)	



Analog SUBSTATION

Wall-mounted / Thin panel



Functions and Features

- **Call/Relieving**

Available to call the nurse station host and ward door substation and cancel the call.

- **Broadcast Function**

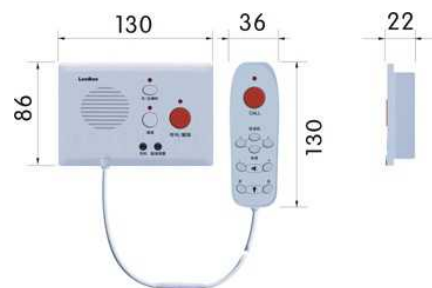
Receive MP3 files or announcement from the master station.

- **Duplex Intercom**

Answer the call from visiting substation and realize duplex video intercom; two-way call sickbed substation and realize duplex video intercom; hand-held and hands free both available.

Technical Parameters

Bus Protocol: FSK, DTMF	Input Voltage: DC12V~ DC24V
Harmonic Distortion: ≤0.3%	MIC Input Sensitivity: 10mV
SNR: >70dB	Work Temperature: -20~ +80 °C
Line Out Output Impedance: 300Ω	Working Humidity: 10%~ 90%
Line In Input Level: 16V~ 31V	Power: ≤2W
Frequency Response: 200Hz~ 16KHz	
Built-in Speaker Impedance and Power: 20Ω, 1W	
The Spring Line Length: 3M (maximum tension); 80cm (hanging)	



ALARM BUTTON

Water-proof / Bathroom alarm button

Installed in bedroom or bathroom, which can alarm by button or digging rope (Digging rope is optional).



Functions and Features

- **Alarm Type**

Press the button or pull the rope is enable the alarm signal.

- **Alarm Prompt**

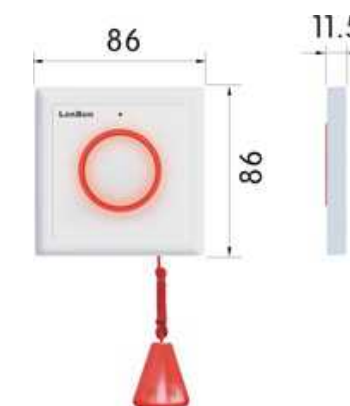
The button alarm ring light is always bright, and the warning is in the alarm.

- **The Connection**

2-wires is connect between button and substation.

Technical Parameters

Alarm output: NO	Working temperature:-20~+80 Degrees
Waterproof level: IPX7	Working humidity: 10%~90%
Rope length: 1m	Power consumption: 0.1W
Dimension: 86x86x11.5mm(LxWxH)	Instatll height: 1m
Package dimension: 300x270x490mm(LxWxH); Package: 75units/carton	



DOOR LAMP

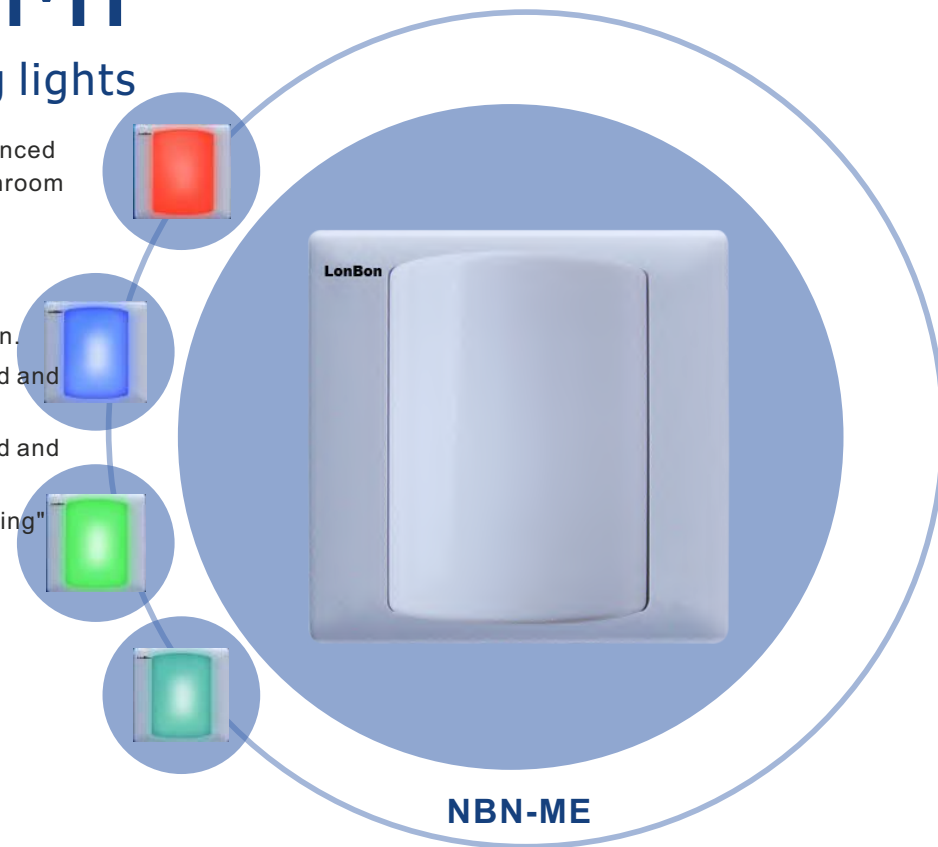
Six state of nurse shining lights

It can distinguish between ordinary call, advanced call, special care call, infusion alarm and bathroom call, and nursing call that six state of nursing.

1. The ordinary call, the light shining red.
2. The advanced call, the light shining blue.
3. The special care call, the light shining green.
4. Infusion alarm, the lights are alternating red and blue.
5. Infusion alarm, the lights are alternating red and green.
6. Ward door substation press the "enter nursing" key, the light bright cyan.

Technical Parameters

Working voltage : DC12V-24V
Power consumption: 0.7W
Communication mode: TTL
Working temperature:-20~+80 Degrees
Working humidity: 10%~90%
Dimension: 86x86x32(LxWxH)



DOOR LAMP

Audible and visual alarm / Wall-mounted

- Generally installed on the doorway, to facilitate viewing by nurses in the corridor.
- The audible and visual alarm lamp will turn to red flash and alarming when sickbed, alarm button or transfusion alarms..
- When the sickbed is uncalled, the nurse station cancel the call, bathroom alarm is released, the door lamp dismissed.



Transfusion ALARM

- It can be used with NBW substation and can be used separately.
- Clamp on the infusion tube, not contact with the infusion. Single key operation, easy to use, can also be used for transfusion alarm.
- When the infusion is completed, the infusion alarm will automatically block the infusion tube, and the infusion will be sent to the nurse station to complete the alarm signal, the nurse station will LED display and voice broadcast "XX is finished".

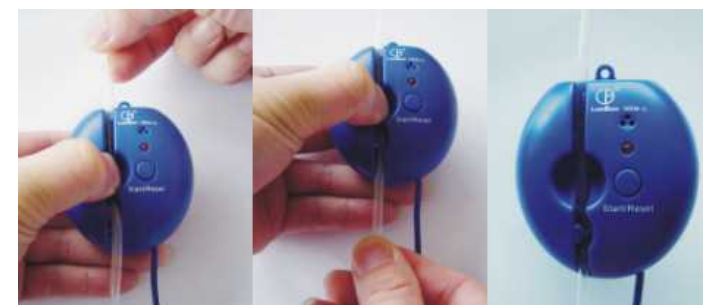
Technical Parameters

Working voltage : DC9V
Max current: 80mA
Working temperature:-20~+80 Degrees
Working humidity: 10%~90%
Dimension: 70x60x45(LxWxH)



Installaion Guide

1. Put the infusion tube into the tube slot of the infusion, and use the big mother of the left hand to press the infusion tube into the circular slot.
2. Use the right hand to pull the upper and lower sides of the infusion tube slightly to ensure that the infusion tube is loaded into the infusion alarm slot.
3. After the infusion tube is installed, the infusion tube shall be pulled up and down to maintain contact with the infusion alarm.



1

2

3

ICU IP VISITING SYSTEM

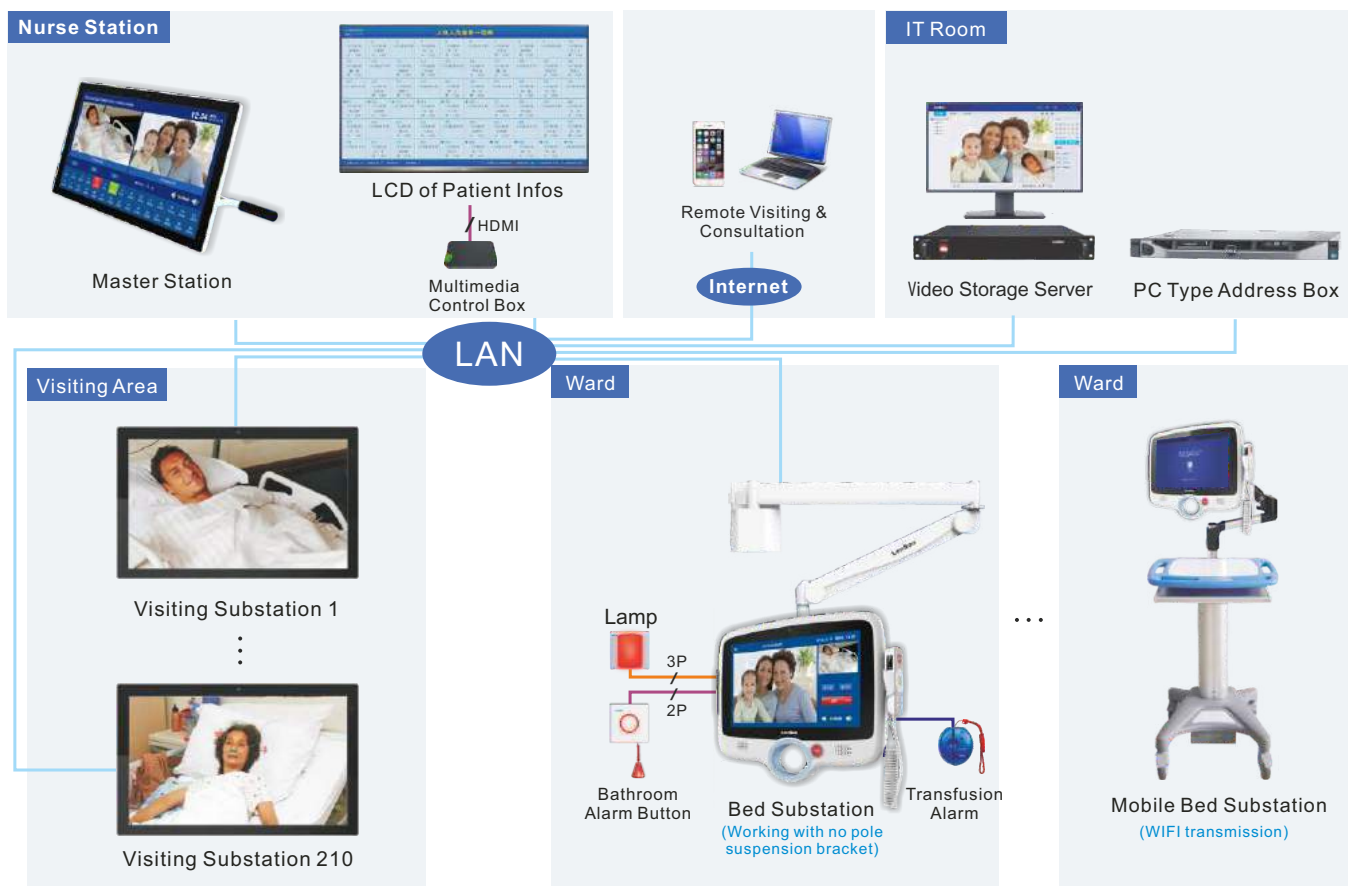
● Hospital ICU visiting system

Based on the technology of LAN transmission, it is specialized in the visiting intercom between ICU patients and visitors, also available in the place where isolate visiting is needed, such as infectious wards and etc.

● Functions and Features

- Video intercom, one-touch calling, call forwarding and monitor.
- Bedroom emergency alarm, transfusion alarm, call timer and cut off the call.
- Patients information checking, large screen display, unlock for the ward door and audio and video recording.

● Application

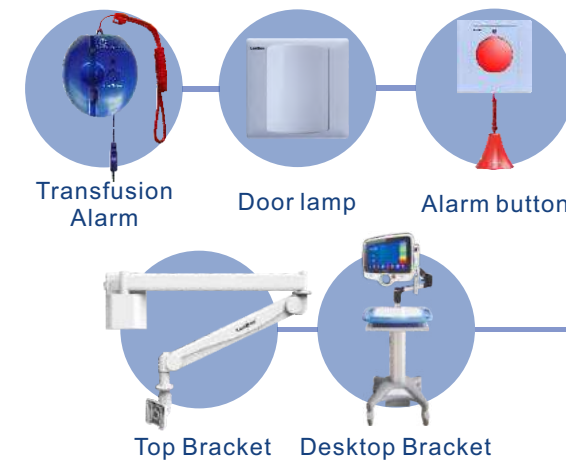


HEALTHCARE PRODUCT

IP BED SUBSTATION

15.6inch touch LCD / Hand hold included

Need to be used together with the Lonbon bracket(purchase separately), installed at the top of the sickbed.convenient for installation on the wall or above the sickbed of ICU;



Functions and Features

- **Call/Relieving**
Available to call the nurse station host and ward door substation and cancel the call.
- **Service Evaluation**
Available to evaluate the service of doctors and nurses, which helps to improve the service quality of the hospital.
- **Light Controlling**
Available to control the bed lamp by hand-held controller. (with the purchase of light control box and hand-held controller)
- **Calling Care Workers**
Available to call the corresponding care workers, and the wireless watch receiver equipped for the care workers can real time display the call information.
- **Change Dressings**
Available to remind the nurse to change dressing by pressing the button of "change dressings", also to support other user-defined voice reminder function.
- **Information Inquiry**
The LCD can display the patient's information and physical examination information as well as nursing marks; available to view treatment cost, hospital introduction, departments introduction; available to set the brightness of the LCD.
- **Healthy-meal Order**
Available to order meal online for patients, also easy for hospital's diet management.
- **Nursing Orientation**
Press the button "Entry Nursing" on the ward substation, the door lamp of the ward will turn green, and the corridor LCD will display "xxx ward is on nursing", available to answer the call or intercom with other ward's via the sickbed terminal in the ward; press the button again to cancel this function when leaving.
- **Monitor / Watch TV**
Available to receive the monitor information of the master station and to observe the conditions of patients. Available to choose the TV channel with the hand-held controller.
- **Broadcast Function**
Receive MP3 files or announcement from the master station.

Technical Parameters

Network Interface: standard RJ45 interface	Network protocols: TCP/IP, UDP, IGMP, RTP
Audio sampling rate: 16K~48K Hz	Audio mode: 16-bit stereo CD quality
Broadcast audio formats: MP3, WAV	Output frequency: 20 Hz~20K Hz
Video Stream: 128Kb~2Mb	Audio streams: 16Kb~ 192Kb
MIC input sensitivity: 10mV	Display resolution: 1366x768 pixels
Screen size: 15.6 inches	Total power consumption: <60W
Humidity: 30% to 90%	Working voltage: DC12V~18V
Working temperature: -10~+60 Degrees	
Substation dimension: 362x444x55mm(LxWxH)	
Handle size: 130x42x25mm(LxWxH)	



ICU MASTER STATION

19inch anti-riot capacitive touch screen LCD /
1080P HD camera / IK07 Protect level

Available to connect with 210 video visiting substations
and 1000 video bed substations at max.



ICU-V19A

Functions and Features

• Duplex Video Intercom

Answer the call from visiting substation and realize duplex video intercom; two-way call sickbed substation and realize duplex video intercom; hand-held and hands free both available.

• Monitor

Available to monitor the talk between patients and visitors.

• Call Timing

Available to show the call duration between visitor and patient, convenient for nurse checking.

• Multiple Interfaces

Available to add earphones and hand-held pager by multiple interfaces.

• Call Transfer

Available to transfer the visitor's call to the patients, and make video intercom accordingly.

• Time Setting

Available to set the call duration of the substations (no longer than 60mins).

• Conversation Cutoff

Available to cutoff the call according to the patient's conditions.

• Check The Sickbed

To observe the patient's condition by checking the sickbed function.

Technical Parameters

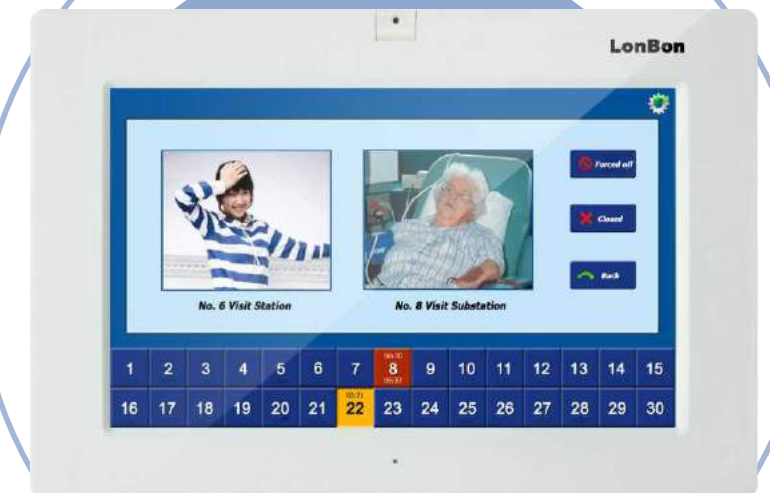
Network interface: standard RJ45	Input voltage: DC12V
Audio sampling rate: 16K~ 192KHz	Audio mode:16 CD stereo sound
MIC input sensitivity: 10mV	Output frequency: 20 Hz~ 20K Hz
Video stream: 128Kb~ 2Mb	Harmonic distortion: < 0.5%
Signal to noise ratio: 90dB	Video stream: 96Kb~ 512Kb
Audio and video format: H.264	Power: < 9W
Screen dimension: 19 inch	Screen resolution: 1366x768 pixels
Camera: HD 1080P camera	Working humidity: 30%~ 90%
Work temperature: -10~+60 Degrees	
Network Protocols: TCP/IP, UDP, IGMP	
Transmission speed: 10M/100Mbps	
Protect Level: IK07	
Dimension: 278x457x50mm(LxWxH)	



ICU MASTER STATION

10.2inch touch LCD / 1080P HD camera / Hand hold included /

Available to connect with 30 video visiting substations
and 1000 video bed substations at max.



ICU-J10A

Functions and Features

• Duplex Video Intercom

Answer the call from visiting substation and realize duplex video intercom; two-way call sickbed substation and realize duplex video intercom; hand-held and hands free both available.

• Monitor

Available to monitor the talk between patients and visitors.

• Call Timing

Available to show the call duration between visitor and patient, convenient for nurse checking.

• Check The Sickbed

To observe the patient's condition by checking the sickbed function.

• Multiple Interfaces

Available to add earphones and hand-held pager by multiple interfaces.

• Call Transfer

Available to transfer the visitor's call to the patients, and make video intercom accordingly.

• Time Setting

Available to set the call duration of the substations (no longer than 60mins).

• Conversation Cutoff

Available to cutoff the call according to the patient's conditions.

• Unlock the Ward Door

Available to control the ward door lock and intercom with the visitors, as the function of access control.

• Audio and Video Recording

Available to record video and audio of the call; enable to inquire, playback and save the record (32GB recording module is required).

Technical Parameters

Network interface: standard RJ45	Input voltage: DC12V~ 20V
Audio sampling rate: 16K~ 192KHz	Audio mode:16 CD stereo sound
MIC input sensitivity: 10mV	Output frequency: 20 Hz~ 20K Hz
Video stream: 128Kb~ 2Mb	Harmonic distortion: < 0.5%
Signal to noise ratio: 90dB	Video stream: 96Kb~ 512Kb
Audio and video format: H.264	Power: < 9W
Screen dimension: 10.2 inch	Screen resolution: 1280x800 pixels
Camera: HD 1080P	Working humidity: 10%~ 90%
Work temperature: -20~+80 Degrees	Camera Angle: 58 Degrees
Network Protocols: TCP/IP, UDP, IGMP	
Transmission speed: 10M/100Mbps	
Power speaker impedance: 2-channel 8ohm, 1W	
External earphone output power: 100mW+100mW	
Dimension: 290x200x32mm(LxWxH)	
Mounting screw pitch: 96x150mm(LxW); Screw punch size.	
Package dimension: 620x395x520mm(LxWxH); Package :20units/carton	



ICU Visiting Room SUBSTATION

19inch anti-riot capacitive touch screen LCD /
1080P HD camera / IK07 Protect level

Available to install wall in visiting room or
be placed on the desktop, for patients' families
visit the intercom.



Functions and Features

- **Duplex Video Intercom**

Answer the call from visiting substation and realize duplex video intercom; two-way call sickbed substation and realize duplex video intercom; hand-held and hands free both available.

- **Monitor**

Available to monitor the talk between patients and visitors.

- **Call Timing**

Available to show the call duration between visitor and patient, convenient for nurse checking.

- **Multiple Interfaces**

Available to add earphones and hand-held pager by multiple interfaces.

- **Call Transfer**

Available to transfer the visitor's call to the patients, and make video intercom accordingly.

- **Time Setting**

Available to set the call duration of the substations (no longer than 60mins).

- **Conversation Cutoff**

Available to cutoff the call according to the patient's conditions.

- **Check The Sickbed**

To observe the patient's condition by checking the sickbed function.

Technical Parameters

Network interface: standard RJ45	Input voltage: DC12V
Audio sampling rate: 16K~ 192KHz	Audio mode:16 CD stereo sound
MIC input sensitivity: 10mV	Output frequency: 20 Hz~ 20K Hz
Video stream: 128Kb~ 2Mb	Harmonic distortion: < 0.5%
Signal to noise ratio: 90dB	Video stream: 96Kb~ 512Kb
Audio and video format: H.264	Power: < 9W
Screen dimension: 19 inch	Screen resolution: 1366x768 pixels
Camera: HD 1080P camera	Working humidity: 30%~ 90%
Work temperature: -10~+60 Degrees	
Network Protocols: TCP/IP, UDP, IGMP	
Transmission speed: 10M/100Mbps	
Protect Level: IK07	
Dimension: 278x457x50mm(LxWxH)	



ICU Visiting Room SUBSTATION

10.2inch touch LCD / 1080P HD camera / Hand hold included /

Available to install wall in visiting room or
be placed on the desktop, for patients' families
visit the intercom.



Functions and Features

- **Duplex Video Intercom**

Answer the call from visiting substation and realize duplex video intercom; two-way call sickbed substation and realize duplex video intercom; hand-held and hands free both available.

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Available to monitor the talk between patients and visitors.

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- **Call Transfer**

Available to transfer the visitor's call to the patients, and make video intercom accordingly.

- **Time Setting**

Available to set the call duration of the substations (no longer than 60mins).

- **Conversation Cutoff**

Available to cutoff the call according to the patient's conditions.

- **Unlock the Ward Door**

Available to control the ward door lock and intercom with the visitors, as the function of access control.

- **Audio and Video Recording**

Available to record video and audio of the call; enable to inquire, playback and save the record (32GB recording module is required).

Technical Parameters

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Signal to noise ratio: 90dB	Video stream: 96Kb~ 512Kb
Audio and video format: H.264	Power: < 9W
Screen dimension: 10.2 inch	Screen resolution: 1280x800 pixels
Camera: HD 1080P	Working humidity: 10%~ 90%
Work temperature: -20~+80 Degrees	Camera Angle: 58 Degrees
Network Protocols: TCP/IP, UDP, IGMP	
Transmission speed: 10M/100Mbps	
Power speaker impedance: 2-channel 8ohm, 1W	
External earphone output power: 100mW+100mW	
Dimension: 290x200x32mm(LxWxH)	
Mounting screw pitch: 96x150mm(LxW); Screw punch size.	
Package dimension: 620x395x520mm(LxWxH); Package :20units/carton	



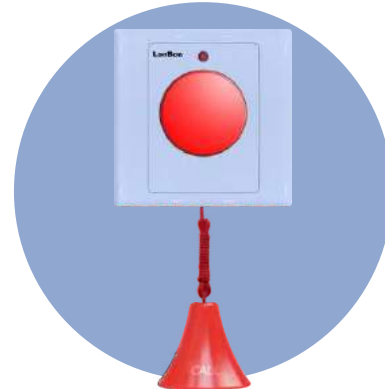
Auxiliary Equipments



HBW-ME

Door lamp

Three colours to distinguish different alarm status.



ANW1/3

Water-proof button

Water-proof, For alarm to use.



LA-P23

Audible and visual alarm

Audible and visual alarm to distinguish the status of ward calling



NLS-SE

IP address box

It is a must for the IP network intercom system and one system need one only. It should be installed at the place where all the stations in the system can access to.



NLS-POE

Poe power separator

External substation, available to provide power to network substations by network cables.



POE-16

PoE switch

16 PoE Ports(4/8/24 Optional), 2 Gigabit Fiber Ports and 2 Gigabit electrical ports.



NLV-DC28/L

Healthcare LCD Monitor

LAN transmission, with a 28-inch LCD screen, hanging installation, can be single or double sided display, which is usually installed in the corridor to facilitate the observation by the nurses.



HBW-LE

Lightning protection device

Prevent the damage to the system caused by lightning.



HBN-PJ

Power box

24V 6.3A power supply box for master station and analog substation.



NLS-FX

IP FXO interface converter

1CH FXO interface, available to call telephone or intercom with mobile.



NLS-GSM

IP mobile converter

Included with cell module. Able to call telephone and mobile to intercom, available to send messages.



NLV-DC

Multimedia control box

Used with LCD screen, suggest to choose the LCD screen bigger than 32 inches.

WINDOW INTERCOM IP INTERCOM SYSTEM

● What is IP window intercom system?

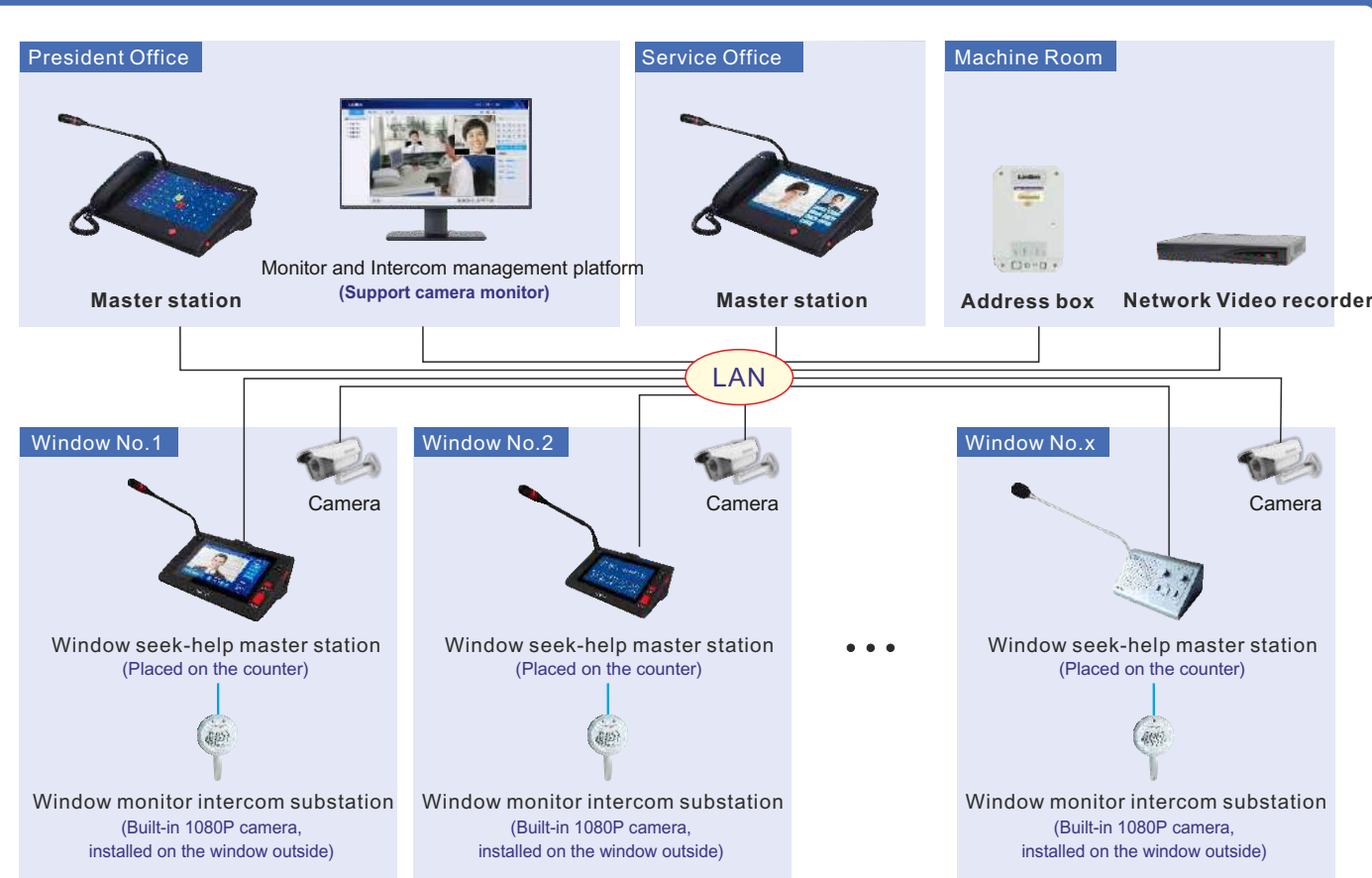
Based on LAN and WAN transmission technology, window intercom system is mainly used between the staff inside and customers outside the window to realize full duplex intercom. Also HD video intercom, alarm, recording, monitor, public broadcasting with remote office are available.

● Functions and Features

- Automatic one-to-one full-duplex intercom between inside and outside of window and talk to each other without pressing the key.
- The counter staff can one-button call to the president office.
- In case of emergency the counter staff can one-button call to remote management host.
- Able to capture customer's face and support Picture-in-Picture HD monitor displays.
- Support record audio & video to the network video recorder.
- Able to remote monitor all the window business through internet from host office and remote interposing with counter staff.
- Can automatically detect whether there's any customer outside the window for business. If no one outside, able to enter the mute mode automatically to avoid noise from outside window affecting the staff inside.

1 IP BANK APPLICATION

LAN and WAN / Broadcasting



HEALTHCARE PRODUCT

IP MASTER STATION

15/30/90/120/300/600/10000CH Optional
Embedded Type Optional

10.2 inch digital true color screen, capacitive touch screen, 1080P HD camera. Usually be placed on the desktop or operation platform in the intercom management center. Support the function of multiple management, it could be used as the server office.



Functions and Features

- **Duplex Video Intercom**
Answer the call from visiting substation and realize duplex video intercom; two-way call sickbed substation and realize duplex video intercom; hand-held and hands free both available.
- **Co-location**
The substations of the master station can be assigned to other superior master station for management.
- **Call Forwarding Function**
Available to forward the call from substation to the superior master station when there is no answer by the master station within a designated time.
- **Files Broadcast**
Available to broadcast the pre-recorded audio file to the substation which is on the call.
- **Waiting Process**
Available to terminate the call from sickbed and always show the status of "waiting process" until the nurse to cancel such status by pressing button.
- **Display Of The Patient List**
Available to display the patient's information of each sickbed substation.
- **Voice Broadcast**
Available to voice broadcast the remark infos or number of the called substation.
- **Multiple Interfaces**
Audio input interface, RS485 communication interface, alarm output interface.
- **Power Supply**
Included 1PCS of power supply (14V/2A) and 3 network cables.
- **High Definition Video**
Display HD video in full screen, and provide the data of video to display in large screen.
- **Status Alert**
Available to present the alarm or intercom status of substations by red and green colors, and add remark information for each substation.
- **Time-distinction Upload**
Available to set the uploaded time of overtime no answer calls in different period of time.
- **Shutdown Transfer**
If the called master station is powered off or not reached, the system can transfer the call to other superior management master station.
- **Unlock Ward Door**
Control ward doors, available to lock or unlock the doors, and realize the video intercom with visitors and access control management.
- **Synchronous Display**
Available to call master station, ward door machine and corridor screen, synchronous display the infos of the call.
- **Nursing Level**
Available to set senior, special, normal or customized nursing level.
- **Audio and Video Recording**
Support audio & video recording for the call, and can check & display, storage, upload it to the serve.

Technical Parameters

Audio Sampling Rate: 16K~ 48K Hz	Audio Mode: 16 CD Stereo Sound
Harmonic Distortion: < 0.5%	Output Frequency: 20 Hz~ 20K Hz
Audio Stream: 16Kb~ 192Kb	Signal to Noise Ratio: 70dB
Video Stream: 96Kb~ 512Kb	MIC Input Sensitivity: 10mV
External Interface: RS-485	Camera: HD1080P
Power: < 7W	Screen Resolution: 1024x600px
Work Temperature: -20℃~ +80℃	Input Voltage: DC14V
Working Humidity: 10%~ 90%	MIC Length: 325mm
Network Interface: Standard RJ45	
Network Protocols: TCP/IP, UDP, IGMP	
Broadcast Audio Formats: MP3, WAV.	
Built-in Loud Speaker Impedance Power: 20Ω, 1W	
Audio Output Level (peak to peak): <3V	
Audio Input Level (peak to peak): <1V	
Alarm Output Port: DC14V 500mA (MAX)	
Dimension: 210x330x118mm (LxWxH)	



Product Parameters

IP WINDOW SEEK-HELP MASTER STATION

7inch touch LCD / Built-in 1080P camera /
Integrated high-performance conference microphone



SD-D99-S2

Functions and Features

- **Duplex Intercom**
Automatic one-to-one full-duplex intercom between inside and outside of window and talk to each other without pressing the key.
- **Emergency Alarm**
In case of emergency the counter staff can one-button call to remote management host.
- **HD Visualization**
The counter staff and office staff can have a HD visual intercom with each other.
- **Voice Prompts**
Able to customize a number of commonly used prompts language for broadcasting, such as WELCOME, SIGNATURE, ONE-METER LINE, etc.
- **Audio and Video Recording**
Based on standard ONVIF protocol, can realize transferring data of window panoramic video and the customer face video, audio of window intercom to storage server and record the window business for the whole process.
- **Broadcasting Function**
Available to broadcast MP3 files, scheduled broadcast and file control broadcast to all the substations in the all region or partitioned areas. Support announce broadcast and external audio broadcast.
- **One-button Call**
The counter staff can one-button call to the office host.
- **Speech Recognition Alarm**
Able to automatically identify the voice of emergency words such as "robbery", "help" and raise alarm to the remote management host automatically.
- **Image Capture**
Able to capture customers' face image. Picture-in-Picture HD monitor displays the audio and video of each window, and can drag the PIP image to prevent the cover of important images.
- **Monitoring / Interposing**
Able to remote monitor all the window business through internet from host office and remote interposing with counter staff.
- **Automatically Mute**
Can automatically detect whether there's any customer outside the window for business. If no one outside, able to enter the mute mode automatically to avoid noise from outside window affecting the staff inside.
- **Volume Adjustment**
The volume inside and outside of the window can be individually adjusted and switched.

Technical Parameters

Communication mode: connect with RJ45, transfer with protocol TCP/IP	
Network Protocol: TCP/IP, UDP, IGMP, RTP, ONVIF	
Display: 7 inch(800x480 pixel)	Camera: 1080P HD Camera
Audio Sampling Rate: 16K~48K Hz	Video Stream: 96Kb~512Kb
Audio Stream: 16Kb~192Kb	Power: < 3.5W
Built-in Speaker Impedance Power: 8ohm, 2W	Substation Speaker Output Power: 1.2W
Substation MIC: -44±2dB 100Hz-15KHz	Substation IR Distance: 3M
Input Power: DC14V	Working Humidity: 10%~90%
Working Temperature: -20~+80 Degrees	Host Size: 160x240x67mm(LxWxH)
Substation Size: 103x64x18mm(LxWxH)	MIC Length: 320mm



Product Parameters

IP WINDOW SEEK-HELP MASTER STATION

Built-in 1080P camera /
Integrated high-performance conference microphone



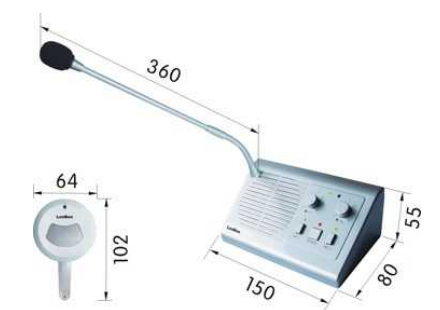
SD-2016DL-S

Functions and Features

- **Duplex Video Intercom**
Duplex intercom with the intercom.
- **Image Capture**
Able to capture customers' face image. Picture-in-Picture HD monitor displays the audio and video of each window, and can drag the PIP image to prevent the cover of important images.
- **Audio and Video Recording**
Based on standard ONVIF protocol, can realize transferring data of window panoramic video and the customer face video, audio of window intercom to storage server and record the window business for the whole process.
- **Volume Control**
Available to control the volume both inside and outside the window, turn on/off alone, and only one cable to connect between inside and outside.
- **Monitoring / Interposing**
Able to remote monitor all the window business through internet from host office and remote interposing with counter staff.

Technical Parameters

Communication mode: connect with RJ45, transfer with protocol TCP/IP	
Network protocol: TCP/IP, UDP, IGMP, RTP, ONVIF	
1080P HD camera	Master station power consumption: 1.5W
Substation power consumption: 1.2W	Master station MIC: -51db±2db 20Hz-16KHz
Substation MIC: -44±2dB 100Hz-15KHz	Max current: 500mA
Working voltage: DC10-14V	Working humidity: =90%
Working temperature: -20~+80	Matser station: 80x150x55mm(LxWxH)
Substation dimension: 102x64x23mm(LxWxH)	MIC length: 360mm
Package dimension: 620x520x395mm(LxWxH); Package: 20units/carton	



Product Parameters

Analog WINDOW INTERCOM

Integrated high-performance conference microphone

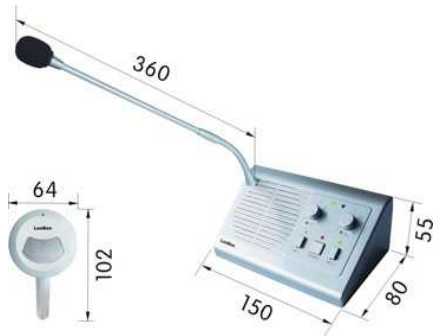


Functions and Features

- Two-way Intercom**
Fully automatic one-to-one intercom, no buttons used for communication.
- Ultra-realistic Sound**
Unique and fashionable design to make sure the conversation sound is vivid, clear and loud.
- Monitoring / Interposing**
Able to remote monitor all the window business through internet from host office and remote interposing with counter staff.
- Volume Control**
Available to adjust the volume for window inside and outside separately and turn on/off individually, and only one cable to connect between inside and outside.
- Noise Elimination Function**
Micro computer processing circuit design ensures the noise elimination function, and thoroughly solve the problem of echo and howling.
- Auto-mute Function**
Available to automatically sense if there is anybody outside of the window, and auto mute when there is nobody outside to avoid the outside noise affecting the inside people.
- Voice Record Output**
Audio jack available, enable to output two-way audio signal.

Technical Parameters

Working voltage: DC10-14V	Max current: 200mA
Master station power consumption: 1.5W	Substation power consumption: 1.2W
Master station MIC: -51db±2db 20Hz-16KHz	Substation MIC: -44±2dB 100Hz-15KHz
MIC input sensitivity: 10mV	Output frequency: 20 Hz~20K Hz
SNR: > 70dB	Harmonic distortion: < 0.5%
Working Temperature: -20~+80 Degrees	Working humidity: =90%
Matser station: 80x150x55mm(LxWxH)	Substation dimension: 102x64x23mm(LxWxH)
Substation dimension: 102x64x18mm(LxWxH)	
Package dimension: 620x520x395mm(LxWxH); Package: 20units/carton	



Product Parameters

Analog WINDOW INTERCOM

Integrated high-performance conference microphone



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Master station MIC: -51db±2db 20Hz-16KHz	Substation MIC: -44±2dB 100Hz-15KHz
MIC input sensitivity: 10mV	Output frequency: 20 Hz~20K Hz
SNR: > 70dB	Harmonic distortion: < 0.5%
Working Temperature: -20~+80 Degrees	Working humidity: =90%
Matser station: 80x150x55mm(LxWxH)	MIC length: 360mm
Substation dimension: 55x100x80mm(LxWxH)	
Package dimension: 620x520x395mm(LxWxH); Package: 20units/carton	

