Analog Intercom Master Station (15/30/60CH)

Features

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.

Functions

- **Duplex intercom:**
  Duplex visual intercom with the IP master station.

- **Co-location:**
  The substations of the master station can be assigned to other superior master station for management.

- **Status alert:**
  Red and green colors can be prompted the status of substation’s alarm or intercom, the remark information can be added in each channel.

- **Call forwarding function:**
  The call will be forwarded to the superior master station when it doesn't be answered by the substation within a designated time.

- **Noise alarm**
  Master station can receive alarm when the substation is too noisy.
HBN-15/30/60

- **Time-distinction Upload**
  Available to set the uploaded time of overtime no answer calls in different period of 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.

- **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 Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
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<tbody>
<tr>
<td>Audio sampling rate</td>
<td>16K~48K Hz</td>
</tr>
<tr>
<td>Audio mode</td>
<td>16 CD stereo sound</td>
</tr>
<tr>
<td>Harmonic distortion</td>
<td>&lt; 0.5%</td>
</tr>
<tr>
<td>Audio stream</td>
<td>16Kb~192Kb</td>
</tr>
<tr>
<td>Output frequency</td>
<td>20 Hz~20K Hz</td>
</tr>
<tr>
<td>Harmonic distortion</td>
<td>&lt; 0.5%</td>
</tr>
<tr>
<td>Audio stream</td>
<td>16Kb~192Kb</td>
</tr>
<tr>
<td>Signal to noise ratio</td>
<td>70dB</td>
</tr>
<tr>
<td>Video stream</td>
<td>96Kb~512Kb</td>
</tr>
<tr>
<td>MIC input sensitivity</td>
<td>10mV</td>
</tr>
<tr>
<td>External interface</td>
<td>RS-485</td>
</tr>
<tr>
<td>Camera</td>
<td>HD</td>
</tr>
<tr>
<td>Power</td>
<td>&lt; 7W</td>
</tr>
<tr>
<td>Screen resolution</td>
<td>1024x600 pixels</td>
</tr>
<tr>
<td>Work temperature</td>
<td>-20℃~+80℃</td>
</tr>
<tr>
<td>Input voltage</td>
<td>DC14V</td>
</tr>
<tr>
<td>Working humidity</td>
<td>10%~90%</td>
</tr>
<tr>
<td>MIC length</td>
<td>325mm</td>
</tr>
<tr>
<td>Network interface</td>
<td>standard RJ45</td>
</tr>
<tr>
<td>Network Protocols</td>
<td>TCP/IP, UDP, IGMP</td>
</tr>
<tr>
<td>Broadcast audio formats</td>
<td>MP3, WAV</td>
</tr>
<tr>
<td>Built-in loudspeaker impedance power</td>
<td>20Ω, 1W</td>
</tr>
<tr>
<td>Audio output level (peak to peak)</td>
<td>&lt; 3V</td>
</tr>
<tr>
<td>Audio input level (peak to peak)</td>
<td>&lt; 1V</td>
</tr>
<tr>
<td>Alarm output port</td>
<td>DC14V 500mA (MAX)</td>
</tr>
<tr>
<td>Dimension</td>
<td>210x330x118mm (LxWxH)</td>
</tr>
</tbody>
</table>
Dimension

Connection diagram

IP Education System

Security Management Center
- E-MAP
- Software Platform Server

Monitor Center
- LCD
- Master Station

Address Box

Primary School
- LAN
- Calling Host
- Safeguard Substation

Primary School
- LAN
- Calling Host
- Safeguard Substation

Middle School
- LAN
- Calling Host
- Safeguard Substation
- Safeguard Substation
- Safeguard Substation
- Alarm Point

(Safe Activity Area)
**HBN-15/30/60**

**IP Elevator System**

**Related Product**

- **NLS-POE**
  - POE Power Separator
  - External substitution, available to provide power to network substations by network cables.

- **NLS-5/10**
  - 5/10CH Intercom Master Station
  - Available to call, monitor, intercom with 510CH substations, etc.

- **NLS-AW5-CS**
  - IP Emergency Column
  - Metal protective housing, with cameras and alarm lamp; support 3PCS analog cameras, broadcast, IP67.

- **NLS-AW3-CS**
  - IP Emergency Column
  - Metal protective housing, with cameras and alarm lamp; support 3PCS analog cameras, broadcast, IP67.

- **NLS-SE**
  - Address box
  - Necessary for the whole system when the IP devices are less than 500PCS.

- **NLS-DE**
  - Computer type address box
  - Optional for the whole system when IP devices are more than 500PCS.

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