Network Audio System & Emergency Intercom System for Tunnel & Express Way
Network Audio System & Emergency Intercom System for Tunnel

- Support more than 8kms speech and voice alarm sound system.
- Fully dublex IP addressable network audio system.
- Pre-recorded voice message scheduled broadcast.
- Emergency intercom communication with duty traffic policeman.
- Sound system synchronized operation with CCTV camera system.
- On site environment ambient noise level collection.
  - Intercom communication recording system.
  - Intercom station automatic transfer system.
  - Intercom station hold-on system.
- Horn speaker for outdoor environment use.
- High SPL projection horn for clear human speech long distance dispersion use.
Network Audio System for Tunnel

8KM

Control Room-A

Control Room-A
Network Audio System for Tunnel

PC

6 Channel Mixer with DSP TS-6P

CD/MP3 Player with Tuner T-2221

16 Channel Power Sequence T-6216

Rack Mount Network Audio Adapter T-6701

Rack Mount Network Audio Adapter T-6701

Main/Spare Amplifier Switch T-6826

500W Single Channel Power Amplifier T-6500

500W Single Channel Power Amplifier T-6500

500W Single Channel Power Amplifier T-6500

500W Single Channel Power Amplifier T-6500

500W Single Channel Power Amplifier T-6500
Network Audio System for Tunnel

Control Room-A

Control Room-B

Local Area Network

Network Switch

tunnel A

Network Switch

tunnel B
# Network Audio System for Tunnel

## Bill of Material

<table>
<thead>
<tr>
<th>Item</th>
<th>Equipment</th>
<th>QTY</th>
<th>ITC Model</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>PC with Network Audio System Software</td>
<td>2</td>
<td>T-6700R</td>
<td>System management center and equipments status surveillance display</td>
</tr>
<tr>
<td>2</td>
<td>CD/Mp3 Player with Tuner</td>
<td>2</td>
<td>T-2221</td>
<td>Audio source player</td>
</tr>
<tr>
<td>3</td>
<td>6 Channel Mixer</td>
<td>2</td>
<td>TS-6P</td>
<td>Connect the audio sources to the PC to transmit over network</td>
</tr>
<tr>
<td>4</td>
<td>Network Remote Paging Microphone</td>
<td>2</td>
<td>T-6702</td>
<td>Remote zone paging mic for speech and intercom use</td>
</tr>
<tr>
<td>5</td>
<td>Network Audio Adapter</td>
<td>4</td>
<td>T-6701</td>
<td>Digital IP pre-amplifier, feed digital source into analog amplifier</td>
</tr>
<tr>
<td>6</td>
<td>Power Amplifier 500 Watts</td>
<td>8</td>
<td>T-6500</td>
<td>Three amplifiers for each control room, and one standby amplifier as redundancy for each control room.</td>
</tr>
<tr>
<td>7</td>
<td>Four Channel Amplifier Changeover</td>
<td>2</td>
<td>T-6226</td>
<td>Automatically switch into backup amplifier when main amplifier failed for redundancy.</td>
</tr>
<tr>
<td>8</td>
<td>Outdoor Emergency Intercom Panel</td>
<td>4</td>
<td>T-6710</td>
<td>For driver to contact duty means for emergency help use.</td>
</tr>
<tr>
<td>9</td>
<td>Monitor Speaker for Intercom</td>
<td>4</td>
<td>T-702A</td>
<td>Connect with intercom panel for monitor use in noise tunnel</td>
</tr>
<tr>
<td>10</td>
<td>Power Supply</td>
<td>2</td>
<td>T-6216</td>
<td>Power on &amp; off control equipment</td>
</tr>
<tr>
<td>11</td>
<td>Voice Alarm Message Player with SD</td>
<td>2</td>
<td>T-6223(A)</td>
<td>With SD input and memory card, support automatic and manual alarm message broadcast.</td>
</tr>
<tr>
<td>12</td>
<td>Data Converter</td>
<td>2</td>
<td>T-6713</td>
<td>Convert the analog voice alarm message into digital to transmit over IP network</td>
</tr>
<tr>
<td>13</td>
<td>Horn Loudspeaker, 15W</td>
<td>160</td>
<td>T-720A</td>
<td>Outdoor waterproof version IP65, supply with mounting bracket</td>
</tr>
<tr>
<td>14</td>
<td>10 Channel Network Switch</td>
<td>2</td>
<td>N/A</td>
<td>Local LAN network audio system</td>
</tr>
<tr>
<td>15</td>
<td>19 Inch Installation Rack</td>
<td>2</td>
<td>T-6027</td>
<td>One for Each Control room</td>
</tr>
</tbody>
</table>