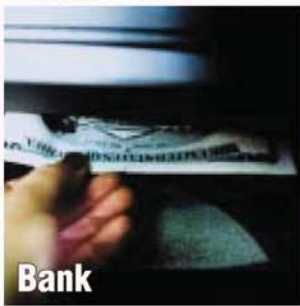
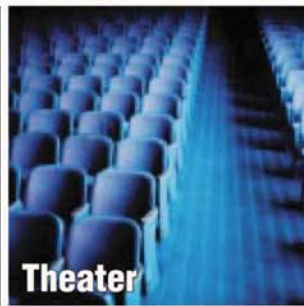


SECURITY WINDOW INTERCOM SYSTEM



Bank



Theater



Stadium



Station



Smooth communication with customers,

A window security intercom system using high-security barrier glass is essential for ticket booths at movie theaters, stations, stadiums or theme parks as well as at service windows in banks or consulates.

The Aiphone security window intercom system is the first in industry to use an acoustic tube with noise cancelling microphone. It produces clear sound with good volume, allowing smooth communication between the two sides of a service window barrier.



Industry Acoustic Tube

High-quality.

Operator-friendly instant communication for window service

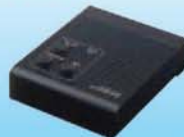
- Gooseneck type microphone is flexible and can be adjusted to any desired position.
- Mono type headset (commercially available) can be used.
- Uses voice-actuated communication system, requiring no additional operations during conversation.
- When the TALK switch is off, the Operation Unit is put in standby, but still the sound from public side can be heard at reduced volume.
- By linking the system to a human detection sensor, it can switch automatically to communication mode whenever a customer is present.
- If a paging speaker is connected, the paging function can be used for calling people in waiting room.



1 Main unit
MU-100



2 Operation unit
OU-100



3 Gooseneck microphone
IME-100



4 Power supply
PS-2420UL, PS-2420S



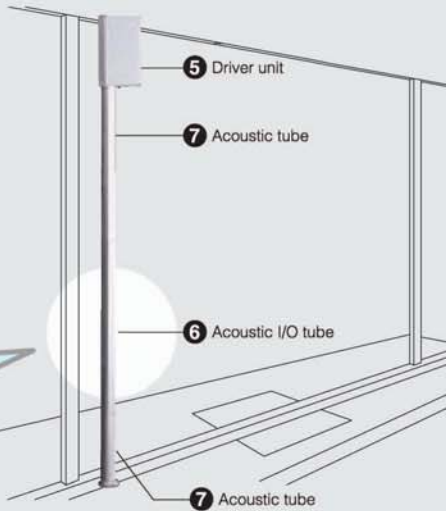
Main kit IMU-100

in a high-security intercom system



Industry First! Acoustic Tube System

Clear voice.



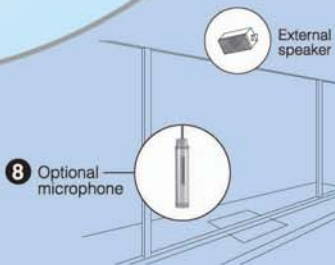
Public Side

● Acoustic tube system provides clear voice communication

- An industry first! The use of an acoustic tube system that covers a wide frequency band ensures clear sound quality at an optimum volume.
- The use of a noise canceller reduces unwanted background noise, enabling smooth conversation.
- The thin shape of the acoustic tube means the field of vision is not obstructed.
- Holes in the barrier glass are not necessary, allowing easier installation and improved safety. It does not affect air conditioners.

● A separate speaker system using an optional microphone is also available

- Select the system most appropriate for your installation or cost needs.
- Use a commercially available external speaker.



5 Driver unit
DR-100



6 Acoustic I/O tube
AI-100



7 Acoustic tube
IAX-100



8 Optional microphone
IME-150

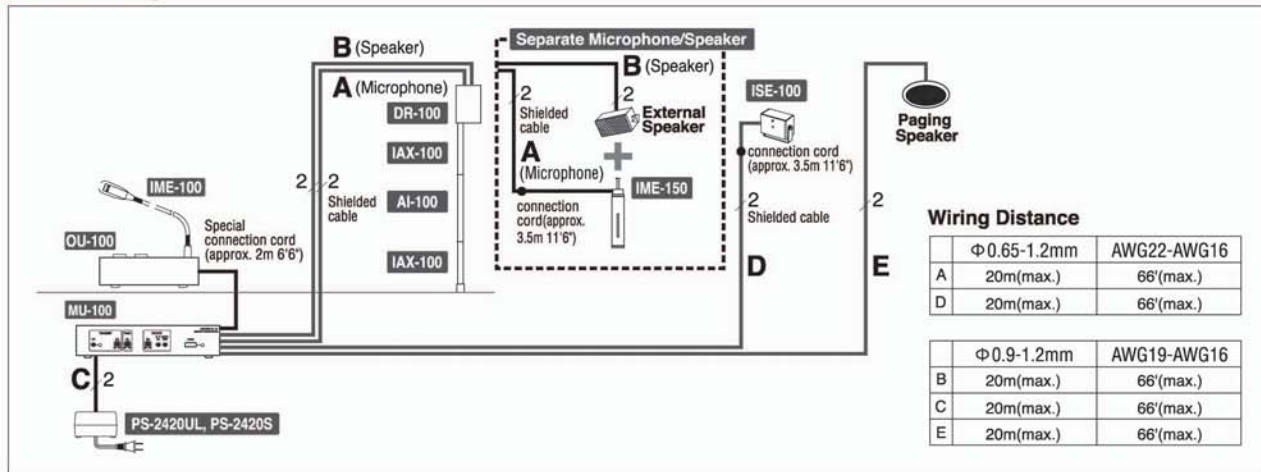


9 Sensor
ISE-100

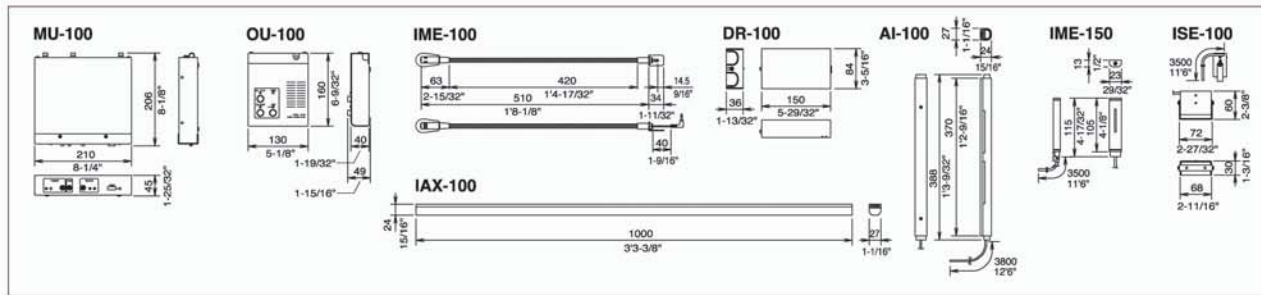


Acoustic interface kit IAI-100

Cabling



Unit Dimensions



Specifications

Main Kit IMU-100

- Power source: DC 24 V
- Current consumption: 120 mA (standby) 780 mA (maximum)
- Operating temperature: 0°C to 40°C
- Communication: Voice-actuated communication
Transmit output: 3 W 4 Ω Receive output: 1.5 W 16 Ω
Φ 3.5 plug Impedance: 32 Ω
Rated input: 40 mW or more Maximum input: 100 mW or more
- Headset: Impedance: 4 to 8 Ω
Rated input: 3 W or more Maximum input: 6 W or more
- External speaker: Impedance: 4 to 8 Ω
Rated input: 3 W or more Maximum input: 6 W or more
- Paging speaker: Impedance: 4 to 8 Ω
Rated input: 3 W or more Maximum input: 6 W or more
- Housing: Steel plate
- Weight: Main unit MU-100: Approx. 1.3 kg (2.87 lbs.)
Operation unit OU-100: Approx. 700 g (1.55 lbs.)

Gooseneck Microphone IME-100

- Microphone: Condenser microphone, uni-directional
- Weight: Input sensitivity: -46 dB
Approx. 190 g (0.42 lbs.)

Acoustic Tube IAX-100

- Housing: Aluminum
- Weight: Approx. 650 g (1.43 lbs.)

Acoustic Interface Kit IAI-100

- Operating temperature: 0°C to 40°C
- Acoustic output: Impedance: 4 Ω Rated input: 4.5 W
Maximum input: 6 W
- Microphone: Condenser microphone, non-directional
- Weight: Input sensitivity: -41 dB
Aluminum
Speaker fixing plastic: ABS plastic fire resistance 94V-0
Driver unit DR-100: Approx. 300 g (0.66 lbs.)
Acoustic I/O tube AI-100: Approx. 400 g (0.88 lbs.)

Optional Microphone IME-150

- Microphone: Condenser microphone, non-directional
- Weight: Approx. 150 g (0.31 lbs.)

Sensor ISE-100

- Power source: DC 24 V
- Current consumption: 5 mA (standby) 13 mA (maximum)
- Housing: Aluminum
- Weight: Approx. 120 g (0.26 lbs.)

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