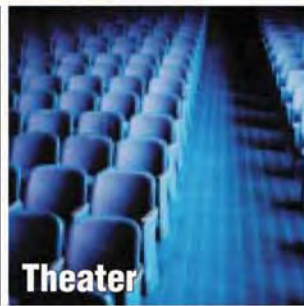


## SECURITY WINDOW INTERCOM SYSTEM



**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



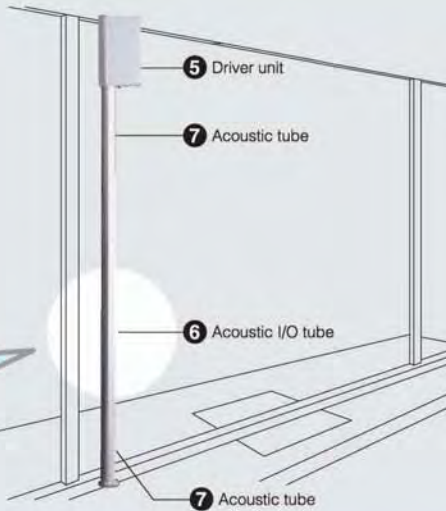
Main kit IMU-100

# in a high-security intercom system



## Industry First! Acoustic Tube System

Clear voice.



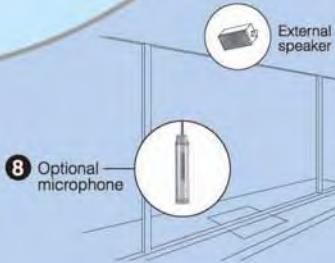
Public Side

### ● 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

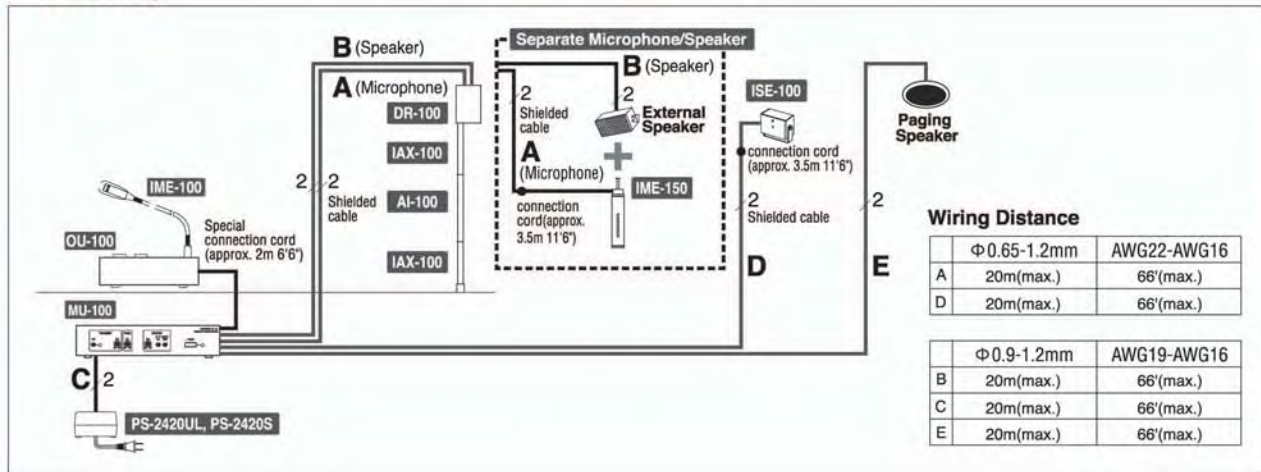


9 Sensor  
ISE-100

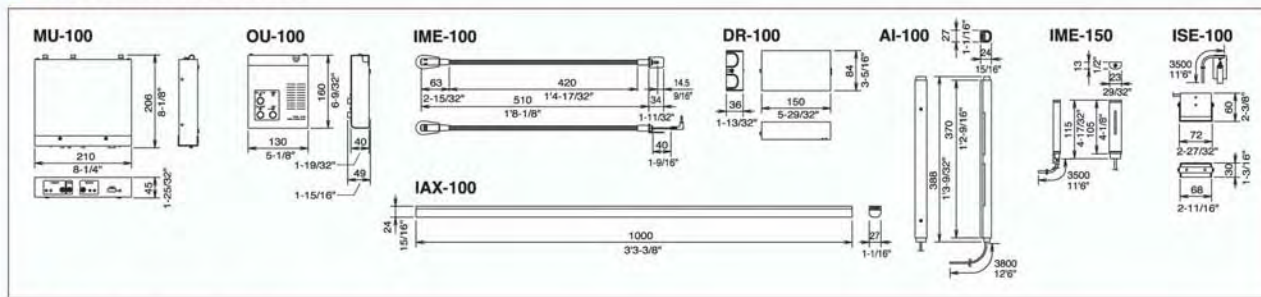


Acoustic interface kit IAI-100

## 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
- Headset: Rated input: 40 mW or more Maximum input: 100 mW or more  
Impedance: 4 to 8 Ω
- External speaker: Rated input: 3 W or more Maximum input: 6 W or more  
Impedance: 4 to 8 Ω
- Paging speaker: Rated input: 3 W or more Maximum input: 6 W or more  
Steel plate
- Housing: Main unit MU-100: Approx. 1.3 kg (2.87 lbs.)  
Operation unit OU-100: Approx. 700 g (1.55 lbs.)
- Weight:

### Gooseneck Microphone **IME-100**

- Microphone: Condenser microphone, uni-directional  
Input sensitivity: -46 dB
- Weight: 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  
Input sensitivity: -41 dB
- Housing: 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.)
- Weight:

### 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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