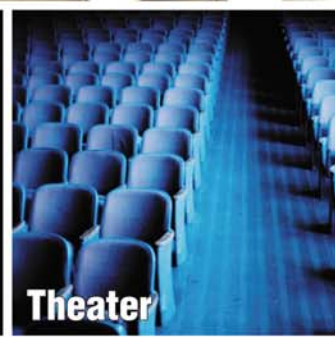


## SECURITY WINDOW INTERCOM SYSTEM



# 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 canceling microphone. It produces clear sound with excellent volume, allowing for 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 a voice-actuated communication system, requiring no additional operations during conversation.
- When the TALK switch is off, the Operation Unit is put in standby, but sound from the public side can be heard at a 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 a waiting room.



1 Main unit  
MU-100



2 Operation unit  
OU-100



3 Gooseneck microphone  
IME-100

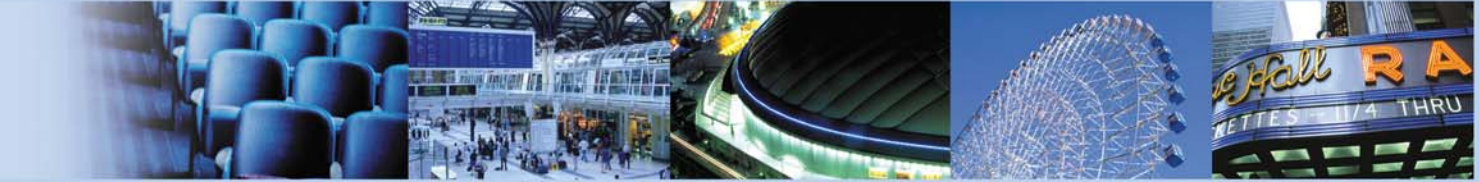


4 Power supply  
PS-2420UL



Main kit IMU-100

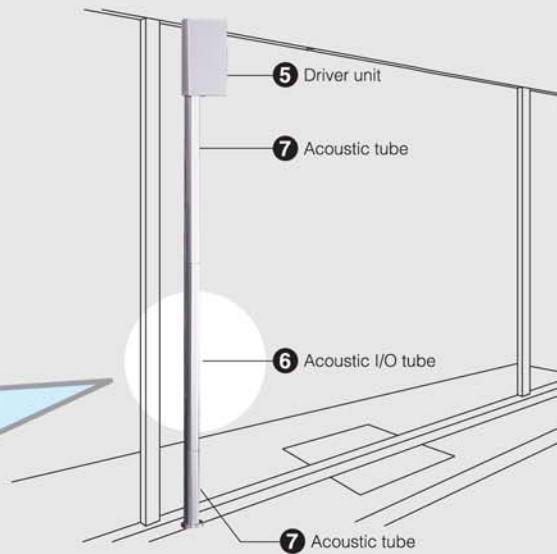
# in a high security intercom system



## Industry First! Acoustic Tube System

Clear voice.

Public Side



Acoustic tube



8 Optional microphone



### ● 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 canceler reduces unwanted background noise, enabling smooth conversation.
- The thin shape of the acoustic tube allows for an unobstructed view.
- Holes in the barrier glass are not necessary, providing easier installation and improved safety. It does not effect air conditioners.

### ● A separate speaker system using an optional microphone is 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



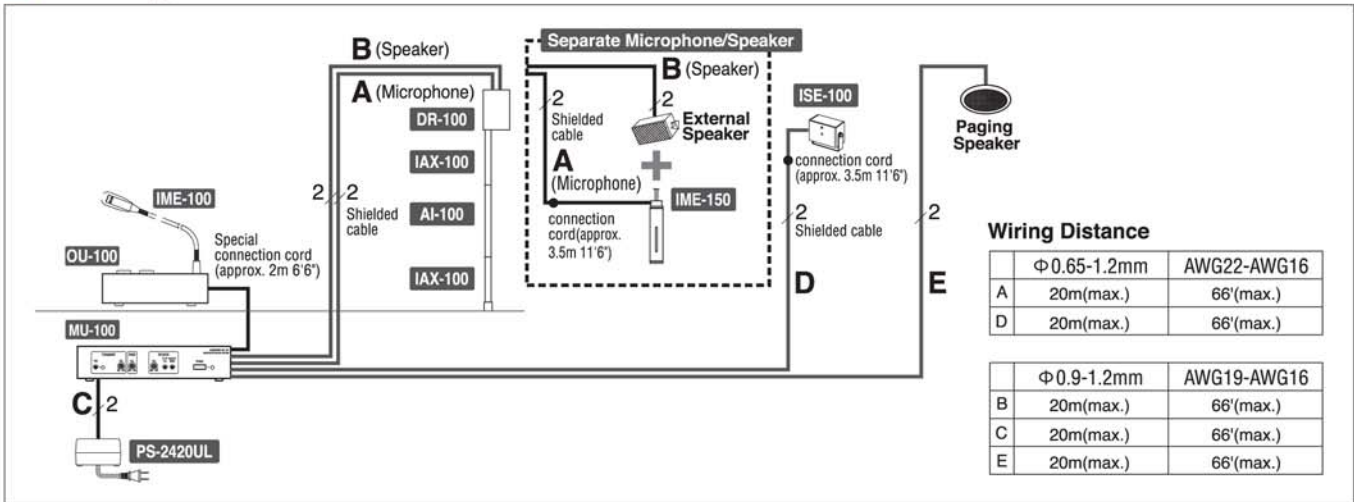
9 Sensor  
ISE-100



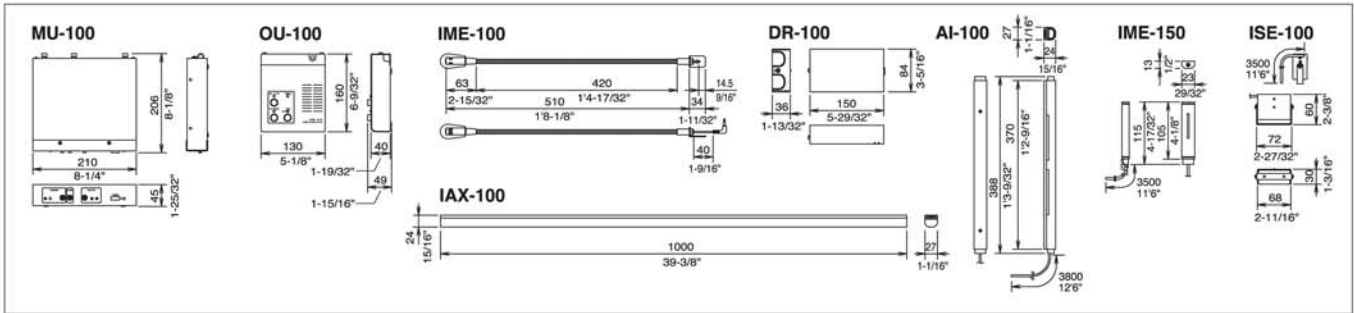
Acoustic interface kit IAI-100

IM Boxed Set - IM-1 includes: (1) IMU-100, (1) IAI-100, (1) IAX-100, (1) IME-100, (1) ISE-100 and power supply

## 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 (+32°F to +104°F)
- Communication: Voice-actuated communication  
Transmit output: 3 W 4 Ω Receive output: 1.5 W 16 Ω  
Φ3.5 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  
Impedance: 4 to 8 Ω
- 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  
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 (+32°F to +104°F)
- 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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ISO 14001



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