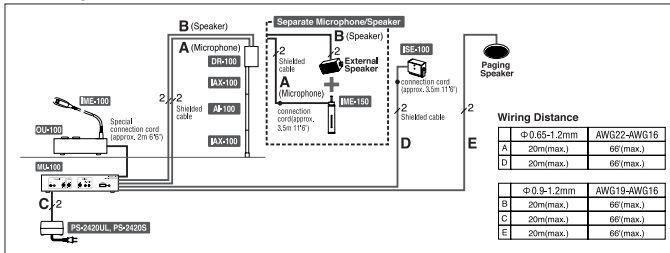


Cabling

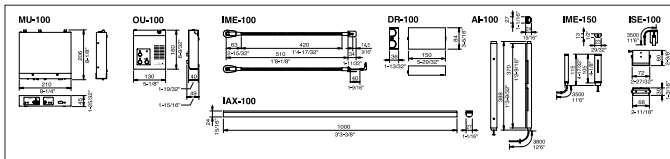


Wiring Distance

	Φ 0.65-1.2mm	AWG22-AWG16
A	20m(max.)	66'(max.)
D	20m(max.)	66'(max.)

	Φ 0.9-1.2mm	AWG19-AWG16
B	20m(max.)	66'(max.)
C	20m(max.)	66'(max.)
E	20m(max.)	66'(max.)

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
- Transmittal output: 3 W A-D Receiver output: 1.5 W 16 D
- 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 Main unit MU-100: Approx. 1.3 kg (2.87 lbs.) Operation unit OU-100: Approx. 700 g (1.55 lbs.)
- Housing: Aluminum
- Weight: Approx. 650 g (1.43 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
- Impedance: 4 Ω Rated input: 4.5 W
- Acoustic output: Maximum input: 6 W
- Microphone: Condenser microphone, non-directional
- Input sensitivity: -41 dB
- Housing: Aluminum
- Speaker: Speaker fixing plastic, ABS plastic, fire resistance 94V-0
- Driver unit DR-100: Approx. 300 g (0.66 lbs.)
- Acoustic I/O tube AL-100: Approx. 400 g (0.88 lbs.)

Optional Microphone IME-150

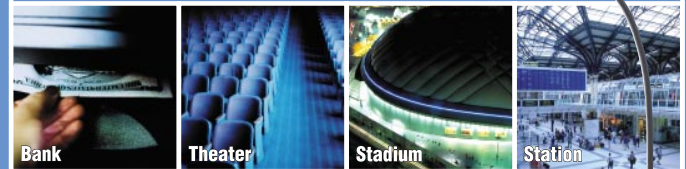
- Microphone: Condenser microphone, non-directional
- Weight: Approx. 150 g (0.31 lbs.)

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.)

IMU-100

Security Window Intercom System



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ISO 14001



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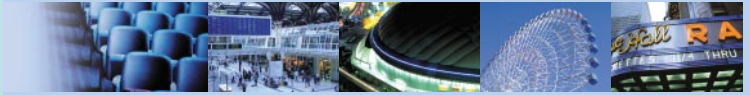
Printed in Japan (E)
OA47067A01

IMU-100(E/A) 0605A

Smooth communication with customers, in a high-security intercom system

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.



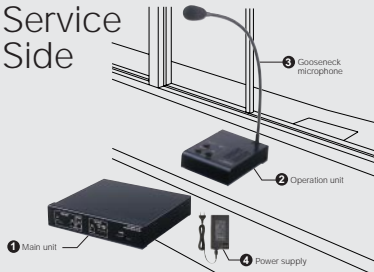
Industry First! Acoustic Tube System

High-quality.

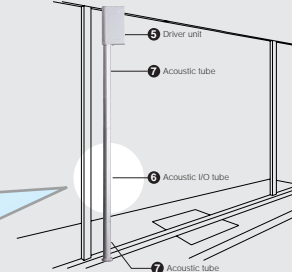
Clear voice.

Acoustic tube

Service Side



Public Side



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.



Gooseneck microphone

Headset

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.

