What is a Pan/Tilt Long Range Acoustic Hailing Device?

Pan-Tilt Long Range Acoustic Hailing Devices send sound with directivity and high power unlike general loudspeakers, so are able to transmit highly clear and intelligible sound to a long distance. Therefore, it is suitable for announcement, warning broadcast, etc. It also has a pan tilt (drive unit), so it can be operated up, down, left and right.

FEATURES

- Controlled up, down, left and right using serial communication.
- An amplifier is built in and is controllable.
- A controller with 7-inch touch panel LCD is provided.

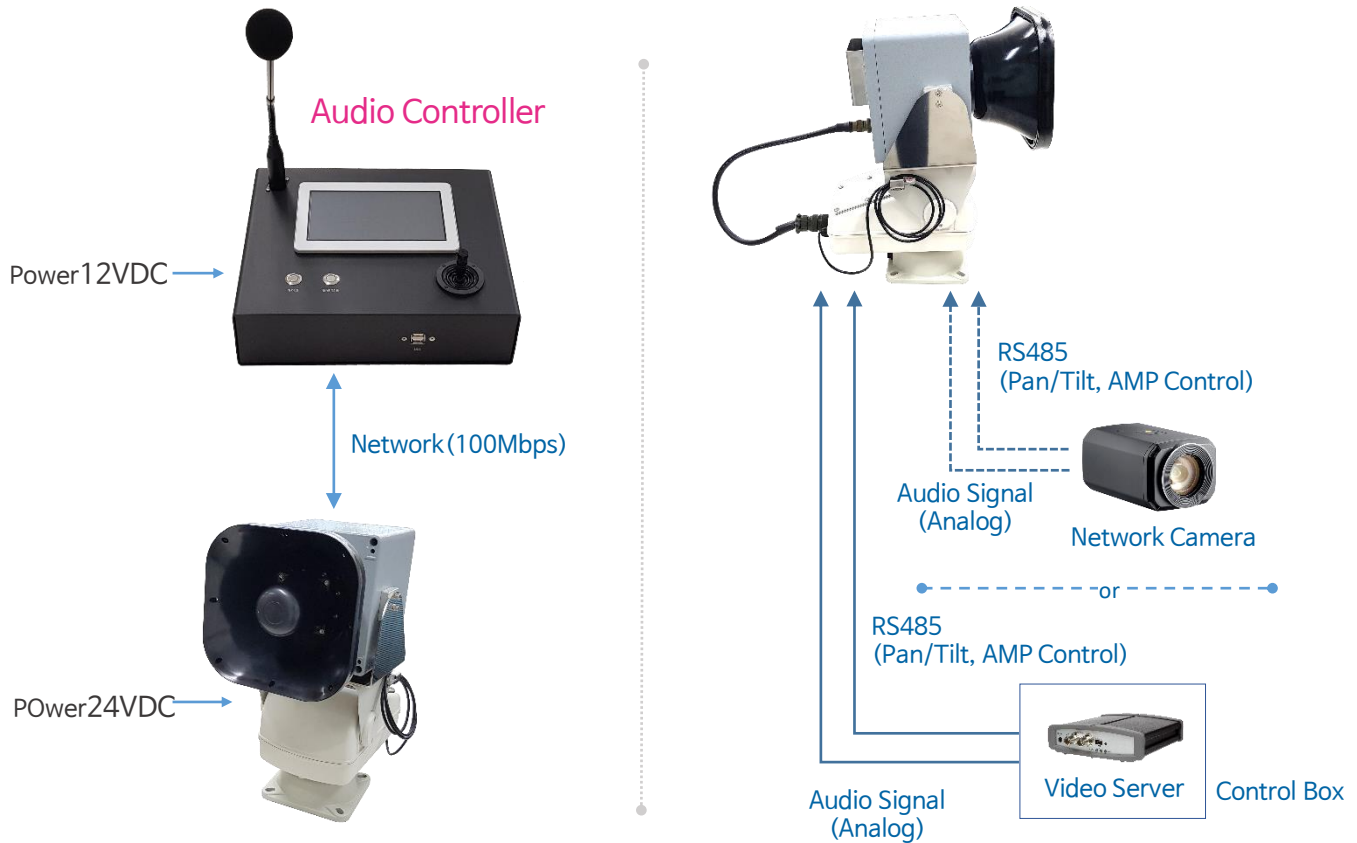*To the desired direction,*
Send the sound you want!

PROPA-PT250C

PROPA-PT250VS

SPECIPICATIONS

Category		Value
Acoustic Performance	Maximum Output	142dB@1m Front, Peak
	Frequency Response	600Hz ~ 10kHz (−10dB)
	Directivity	±15˚ (1kHz Sine, −3dB)
	Amplifier	300W, Built-in type
Pan/Tilt	Pan Range	−175° ~ +175°
	Pan Speed	1 ~ 60°/s
	Tilt Range	−70° ~ +20°
	Tilt Speed	1 ~ 30°/s
	Payload	30kg
Dimensions/ Weight	PT250C	250 × 448 × 517mm / 18.6kg
	PT250VS	290 × 378 × 635mm / 22kg
Interface	Only Main Body	RS-485 Pan/Tilt: PELCO-D/P Amplifier Control : Our own protocol (It is provided on request.) Audio Input : Analog Input
	Main Body + Controller	Network 100Mbps or higher
Power		24VDC, 300W

❖ PROPA-PT250C / PT250VS Concept Map of Operating System

Audio Controller

Power12VDC →

Network (100Mbps)

POwer24VDC →

RS485
(Pan/Tilt, AMP Control)

Audio Signal
(Analog)

Network Camera

- or -

RS485
(Pan/Tilt, AMP Control)

Audio Signal
(Analog)

Video Server Control Box

PROPA-PT Controller

- Control all functions via the network
- Pan / Tilt control via joystick
  The joystick shift is the motor speed.
  Moving the joystick a little will cause the fan/tilt move at a slow speed
  but if moving it a lot, at a high speed.
- Display current pan / tilt control and angle
- Management and control of sound sources
  (playback / stop / previous / next song)
- Microphone broadcast, Integrated microphone
- Copy sound sources using USB memory
- 7-inch touchscreen, Linux OS
- Size : 300 × 265 × 85mm (without microphone)
- Weight : 1.9kg
- Power: 12VDC

Applications of Acoustic Hailing Devices

Control Room

Control Console

Optical communication(network)

Emergency Warning & Fire Rescue

Fire Evacuation Broadcast, Public Place Guide and Evacuation Broadcast, Valley Evacuation Broadcast due to heavy rain, and Coastal Accident Prevention & Evacuation Broadcast

Law Enforcement, Homeland & Border Security

Illegal Activity Warning, Beach Announcement, Access Control Broadcast, Crowd Control

Military, Maritime, Security & Protection

Military Training control, Anti-Piracy, Major Facility Intruder Warning, Preserving Wildlife & Protecting Assets

Traffic Accident Broadcasting, Traffic Control

Traffic Control, Prevention of Secondary Accident, Traffic Accidents and Foggy Broadcast, Emergency Evacuation Broadcast.

Installation in Ships, Vehicles and Drones

Mounting on Warships, Ships, Fire Trucks, Ambulances, Police Cars, Helicopters, Drones

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