

DHI-ITSYP-5101

Smart Audible Pedestrian Signal



Series Overview

This product is primarily designed for visually impaired individuals or the elderly. It synchronizes audible cues with pedestrian signal states, ensuring safer street crossings. It is designed with an automatic noise reduction feature to help pedestrians identify the correct crossing time effectively under various environmental noise levels with clear alert sounds.

Scene

It is suitable for intersections where pedestrians need to cross the street.

Technical Specification

Port

Power Input	1
Network Port	1,RJ45 10/100M self-adaptive

General

Casing Material	Aluminum alloy
Installation	Screw-locked mounting
Product Component	Loudspeaker; brackets, housings; Detect microphones, etc
Power Supply	86–264 VAC, 50 Hz/60 Hz
Insulation	Insulation resistance $\geq 500 \text{ M}\Omega$
Voltage Withstanding	$\geq 1,440 \text{ V}$
Power Consumption	$\leq 20 \text{ W}$
Operating Temperature	-20 °C to +70 °C (-4 °F to +158 °F)
Storage Temperature	-20 °C to +70 °C (-4 °F to +158 °F)

- Automatically adjusts the volume of sound based on ambient noise.
- Wide input voltage ranges from 85 VAC to 265 VAC that makes it suitable for most regions and countries.
- Different playback sounds can be set in different directions.
- Change the audio source via the network cable, multi-session volume setting.
- Button and signal linkage control.
- MP3 decoding module has been developed to accurately control the timing of voice playback.

Operating Humidity	$\leq 93\%$ (RH), non-condensing
Storage Humidity	$\leq 60\%$ (RH), non-condensing
Protection	IP53
Anti-corrosion Level	Basic Protection *The products are designed for general use and are applicable even in areas with no specific requirements for anti-corrosion protection.
Product Dimensions	152 mm × 107 mm × 200 mm (5.98" × 4.21" × 7.87") (L × W × H)
Packaging Dimensions	244 mm × 160 mm × 205 mm (9.61" × 6.30" × 8.07") (L × W × H)
Net Weight	$\leq 1.2 \text{ kg}$
Gross Weight	$\leq 1.5 \text{ kg}$
Certifications	CE EMC: EN IEC 55015:2019+A11:2020; EN IEC 61000-3-2:2019 +A1:2021 +A2:2024; EN 61000-3-3:2013 + A1:2019 + A2:2021; EN IEC 61547:2023 CE LVD: EN 61347-1:2015+A1:2021; EN 61347-2-13:2014+A1:017
Installation Kit	Included

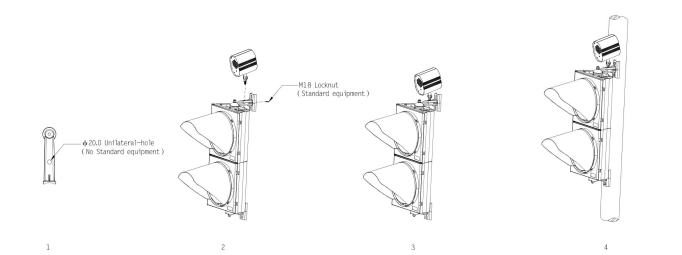
Function

Voice Broadcast	Set different playback voices according to the traffic light/direction
DIP Switch	DIP 1-5 Select the audio source; DIP code 6, 7 to select the working mode
Volume Control	Yes, Automatically adjusts the volume of sound based on ambient noise

Ordering Information

Type	Model	Description
Parts of Signal Lamp	DHI-ITSYP-5101	Smart Audible Pedestrian Signal

Installation



Dimensions (mm[inch])

