

DHI-ISC-EAA8-C1xx

Network Ultra Acrylic AM Antenna



Introduction

EAS AM Antenna is an acousto-magnetic label and tag detection equipment with superior performance and unmatched features. It can detect and recognize AM labels and tags within its coverage. Then not only does it alarm, but it also sends the signal to the monitoring camera through CCTV module simultaneously and saves the alarm videos automatically for reference. Its high performance contributes to reducing business loss and theft. The equipment has ultra-long detection distance and excellent anti-interference ability, which has proven its high cost performance in its multiple applications in different scenarios. The transparent acrylic appearance with backlight can also be used as an advertising panel.

Functions

EAS Label and Tag Detection

It can effectively detect AM labels and tags within the coverage range. Once the product with a label or tag passes through the antenna, a sound and light alarm will be triggered, and the alarm volume can be adjusted as needed.

Anti-interference Adjustment

Supports configurations such as multi-level alarm sensitivity and threshold, antenna gain, multi-mode transmission, and real-time interference indicator. It is beneficial for the equipment to effectively adapt to the vast majority of interference environments. And the parameters and phase synchronization can be easily set through the buttons and screen.

Phase Adjustment Technology

Multi-phase scanning technology makes for the precise recognition of the labels or tags in all directions. Therefore, fewer antennas and smaller labels or tags can be used for a more affordable cost.

CCTV Linkage

Once the alarm is triggered, the antenna will send the signal to the CCTV system and save the alarm videos automatically for reference. Its high performance contributes to reducing business loss and theft.

- Minimalist frameless design, high transparent acrylic shell, which is beautiful, stylish, durable, solid and easy to install.
- Superior detection distance, max detection distance can be 2.4 meters (pencil tag DHI-ISC-ETA5-T901).
- Excellent anti-interference, continuous working in complex electromagnetic environment.
- Built-in 1.3 inch OLED display and WEB interface, convenient configuration.
- Auto/manual adjust phase to effectively handle different kinds of interference.
- Alarm volume and alarm tone are both adjustable.
- Integrated 5 colors background LED light.
- Supports tag too close alert
- The primary and replica antenna are all integrated transceivers, three modes can be selected: RX, TX, TR mode.
- The primary antenna can connect up to 2 replica antennas as 1 set system. Multi-system can work together.
- Economic operating power consumption, energy-saving and environment-friendly.
- CCTV monitoring linkage.
- Supports firmware upgrade.
- Supports network platforms connection, such as DSS Pro platforms.
- Support cloud services, remote configuration.
- Supports multi-language (Optional).

Multiple Connection Methods

The system concludes one primary antenna with transceiver function (which supports individual use) and one replica antenna with transceiver function. The primary antenna can connect to 2 replica antennas simultaneously. Multiple connection methods can be used as needed.

Network Platform Connection

The antenna is equipped with the network communication function. This function enables the device connect to the network platform and supports the remote configuration of the device at any time.

Transparent appearance

The structure is made of high-quality acrylic material, transparent and clean in appearance. There is a backlight, which can be used as the advertisement panel.

Background LED Light

The system supports background LED light setting, 5 colors available: white(Default), blue, green, purple, pink.

Applications

Suitable for supermarkets, shopping malls, clothing stores, pharmacies, luggage stores and more.

Technical Specification

Performance

Model	DHI-ISC-EAA8-C101-P	DHI-ISC-EAA8-C111-P	DHI-ISC-EAA8-C108-P	DHI-ISC-EAA8-C118-P	DHI-ISC-EAA8-C101-R
Technology	Acousto-Magnetic Antenna				
Detection Frequency	58 kHz				
Detection Distance of EAS Labels	1.8 – 2.0 m (5.91 ft – 6.56 ft) (Distance of two antennas) * depending on environment				
Detection Distance of EAS Tags	2.0 – 2.4 m (6.56 ft – 7.87 ft) (Distance of two antennas) * depending on environment				
Alarm Volume	Max 90 dB (Adjustable)				
Antenna Type	Primary antenna	Primary antenna	Primary antenna	Primary antenna	Replica antenna
Adaptability	A single primary antenna can connect to two replica antennas simultaneously				
Sound and Light Alarm	Primary and Replica Antenna				

Certifications

Certifications	IEC 60068-2-1 IEC 60068-2-2 CE-LVD: Low Voltage Directive 2014/35/EU CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU CE-RED: Radio Equipment Directive 2014/53/EU FCC: 47 CFR FCC Part 15, Subpart B
RoHS	Conform with RoHS Directive 2011/65/EU, 2015/863/EU and REACH regulations as defined in EC No 1907/2006 and subsequent amendments.
Safety	ICNIRP 2010 Guidelines ICNIRP 1998 Guidelines EC directive 2013/35/EU EC recommendation 1999/519/EC IEEE C95.1: 2005 EN IEC 62311:2020 EN 50364: 2010 EN 62369-1: 2010

Ports

TR Board Port (CH1, CH2, CH3)	CH1 integrates into the main board, CH2 and CH3 can connect to the TR board as needed.	NA
CCTV Port	Output port for the linkage signal of the camera, up to 3 cameras can be connected simultaneously.	NA
Sensitivity Adjustment DIP Switch	16-level adjustable signal sensitivity	
Network Interface	RJ45	NA
Network Communication Protocol	HTTP, TCP/IP	NA
Open Protocols	SDK	NA
Supporting Software	DSS Pro, Configtool	DSS Pro, Configtool, WISS

Regular Parameters

Shell Material	ABS and acrylic				
Shell Color	Transparent and white				
Input Voltage	220 – 240 VAC @ 50 Hz / 60 Hz	100-130 VAC @ 50 Hz / 60 Hz	220 – 240 VAC @ 50 Hz / 60 Hz	100-130 VAC @ 50 Hz / 60 Hz	24 VAC @ 50 Hz / 60 Hz
Output Voltage	24 VAC / 3 A	24 VAC / 3 A	24 VAC / 3 A	24 VAC / 3 A	NA
Maximum Power Consumption	25 W	25 W	25 W	25 W	23 W
Typical Power Consumption	20 W	20 W	20 W	20 W	18 W
Overall Exterior Size	1521 mm × 360 mm × 134 mm (59.9" × 14.2" × 5.3")				
Packing Size of Primary / Replica Antenna	1665 mm × 460 mm × 210 mm (65.6" × 18.1" × 8.3")				
Gross Weight	21.0 kg (46.29 lb)	21.0 kg (46.29 lb)	21.0 kg (46.29 lb)	21.0 kg (46.29 lb)	18.5 kg (40.79 lb)
Operating Temperature	0 °C to 45 °C (32 °F to 113 °F)				
Operating Humidity	0 % – 95 % (RH)				
Installation	Vertical pole mount				

Ordering Information

Type	Model	Description
AM Anti-Theft Antenna	DHI-ISC-EAA8-C101-P	Network Ultra Acrylic AM Antenna (Primary, 220V)
AM Anti-Theft Antenna	DHI-ISC-EAA8-C111-P	Network Ultra Acrylic AM Antenna (Primary, 110V)
AM Anti-Theft Antenna	DHI-ISC-EAA8-C108-P	Network Ultra Acrylic AM Antenna (WISS Lic, Primary, 220V)
AM Anti-Theft Antenna	DHI-ISC-EAA8-C118-P	Network Ultra Acrylic AM Antenna (WISS Lic, Primary, 110V)
AM Anti-Theft Antenna	DHI-ISC-EAA8-C101-R	Network Ultra Acrylic AM Antenna (Replica)

Dimensions (mm[inch])

