

DHI-ISC-EAA2-C0xx

Lite ABS AM Antenna



System Overview

EAS AM Antenna is an acousto-magnetic label and tag detection equipment with superior performance and unmatched features. It can detect and recognize AM frequency band 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.

Features

EAS Label and Tag Detection

It can effectively detect AM frequency band 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.

- Superior detection distance, max detection distance can be 2.4 meters (pencil tag).
- Excellent anti-interference, continuous working in complex electromagnetic environment.
- Built-in 1.3 inch OLED display with convenient configuration.
- Auto/manual adjust phase to effectively handle different kinds of interference.
- Alarm volume and alarm tone are both adjustable.
- Supports tag alert.
- CCTV monitoring linkage.
- 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.
- Stylish and minimalist appearance, beautiful and elegant, high strength plastic shell, solid and easy to install.
- Economic operating power consumption, energy-saving and environment-friendly.
- Supports firmware upgrade.
- 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.

Applications

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

Technical Specification

Performance

Technology	Acousto-Magnetic Antenna
Detection Frequency Band	58 kHz
Detection Distance of EAS Labels	1.8–2.0 m (5.91–6.56 ft) (Distance of two antennas)
Detection Distance of EAS Tags	2.0–2.4 m (6.56 ft–7.87 ft) (Distance of two antennas)
Alarm Volume	Max 90 dB (Adjustable)
Antenna Type	Primary/Replica antenna
Adaptability	A Single primary antenna can connect to two replica antennas simultaneously
Sound and Light Alarm	Primary and Replica Antenna

General

Shell Material	ABS
Shell Color	White
Input Voltage	220 – 240 V @ 50 Hz/60 Hz, 100-130 V @ 50 Hz/60 Hz (Optional)
Output Voltage	24 VAC/3 A, 12 VAC/1 A
Maximum Power Consumption	Primary Antenna: 25 W Replica Antenna: 23 W
Typical Power Consumption	Primary Antenna: 20 W Replica Antenna: 18 W
Overall Exterior Size	1500 mm × 400 mm × 120 mm (59.06" × 15.75" × 4.72")
Packing Size of Primary / Replica Antenna	1590 mm × 490 mm × 200 mm (62.60" × 19.30" × 7.87")
Gross Weight	Primary Antenna: 8.5 kg (18.74 lb) Replica Antenna: 7 kg (15.43 lb)
Operating Temperature	0 –45 °C (32 °F – 113 °F)
Operating Humidity	0 –95% (RH)
Installation	Vertical pole mount

Certifications

Certifications	CE
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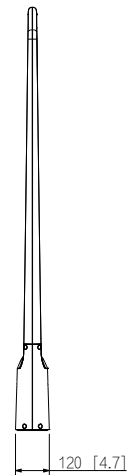
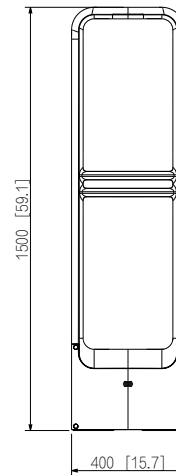
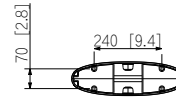
Ports

TR Board Port (CH0, CH1, CH2)	CH0 Integrates into the main board, CH1 and CH2 can connect to the TR board as needed.
CCTV Port	Output port for the linkage signal of the camera, up to 3 cameras can be connected simultaneously.
USB Port	Used for firmware upgrade.
Sensitivity Adjustment DIP Switch	16-level adjustable signal sensitivity

Ordering Information

Type	Model	Description
AM Anti-Theft Antenna	DHI-ISC-EAA2-C001-P	Lite ABS AM Antenna (Primary, 220V)
	DHI-ISC-EAA2-C011-P	Lite ABS AM Antenna (Primary, 110V)
	DHI-ISC-EAA2-C001-R	Lite ABS AM Antenna (Replica)

Dimensions (mm[inch])



Application

