# DHI-ISC-EAA2-C2xx
## Network EAS 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 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-inference 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.Moreover, the phase can be displayed as a waveform diagram on the web.

- Superior detection distance, max detection distance between two antennas can be 2 meters(46 x 13 x 18.5 mm AM tags).
- Excellent anti-interference, continuous working in complex electromagnetic environment.
- Build-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.
- 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.
- Support firmware upgrade.
- CCTV monitoring linkage.
- Supports multi-language (Optional).
- Supports DSS Pro platforms.
- Support WEB interface.
- Support cloud services, remote configuration.

### 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.

### 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 can connect the device to the network platform and remotely check the operation of the device at any time.

## Applications

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

## Technical Specification

### Performance

| Model | DHI-ISC-EAA2-C201-P | DHI-ISC-EAA2-C211-P | DHI-ISC-EAA2-C208-P | DHI-ISC-EAA2-C218-P | DHI-ISC-EAA2-C201-R |
|---|---|---|---|---|---|
| Technology | Acousto-Magnetic Antenna | | | | |
| Detection Frequency Band | 58 kHz | | | | |
| Max. Detection Distance of Labels(High Signal Side) | 1.8 m(5.91 ft)(45 x10 mm AM labels)(two antennas) depending on the site environment | | | | |
| Max. Detection Distance of Tags(High Signal Side) | 2m(6.56ft)(46x13x18.5 mm AM tags)(two antennas) depending on the site 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<br>IEC 60068-2-2<br>CE-LVD: Low Voltage Directive 2014/35/EU<br>CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU<br>CE-RED: Radio Equipment Directive 2014/53/EU |
|---|---|
| RoHS | Conform with RoHS<br>Directive 2011/65/EU, 2015/863/EU and REACH regulations as defined in EC No 1907/2006 and subsequent amendments. |
| Safety | ICNIRP 2010 Guidelines<br>ICNIRP 1998 Guidelines<br>EC directive 2013/35/EU<br>EC recommendation 1999/519/EC<br>IEEE C95.1:2005<br>EN IEC 62311:2020<br>EN 50364:2010<br>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 |
| Network Interface | RJ45 | NA |
| Network Communication Protocol | HTTP, TCP/IP | NA |
| Open Protocols | SDK | NA |
| Supporting Software | DSS Pro, Configtool / DSS Pro, Configtool / DSS Pro, Configtool, WISS / DSS Pro, Configtool, WISS | NA |

### Regular Parameters

| Shell Material | ABS |
|---|---|
| Shell Color | 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 | 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 | 8.50 kg (18.74 lb) | 8.50 kg (18.74 lb) | 8.50 kg (18.74 lb) | 8.50 kg (18.74 lb) | 7 kg (15.43 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-EAA2-C201-P | Network EAS AM Antenna (Primary, 220V) |
| | DHI-ISC-EAA2-C211-P | Network EAS AM Antenna (Primary, 110V) |
| | DHI-ISC-EAA2-C208-P | Network EAS AM Antenna (WISS Lic,Primary,220V) |
| | DHI-ISC-EAA2-C218-P | Network EAS AM Antenna (WISS Lic,Primary,110V) |
| | DHI-ISC-EAA2-C201-R | Network EAS AM Antenna (Replica) |

**Dimensions (mm[inch])**

240 [9.4]
70 [2.8]

1500 [59.1]

400 [15.7]

120 [4.7]