

DHI-ISC-EAA2X-C2xx

EAS AM Wide-body Network Antenna



Introduction

Wide-body Network EAS AM Antenna is an anti-theft device that can effectively identify the anti-theft AM tags, which has higher detection performance than standard version. The Device can effectively prevent the theft of goods, cut business operating costs, and improve customer's shopping experience. The Device has a simple and elegant appearance with powerful performance and complete functions, which is an important part of the retail loss prevention system. It has network communication function, which enables the antenna connect to the network platform at any time to remotely configure and get equipment operating status.

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.

Stable Hardware Performance

The high-performance signal transmission driver cooperates with the multistage amplifier, which has stable operation with no temperature drift. It can be used for a long time without performance degradation.

Strong Anti-interference Ability

The Device has a variety of sensitivity adjustment methods that can effectively resist the interference of environmental noise on the device.

- The device can effectively detect and identify AM anti-theft labels within the coverage range.
- When the label is detected, the device will give off alarms and flashing lights. The device supports a variety of adjustable alarm tone effects with adjustable volume.
- The device supports one-click automatic synchronization of surrounding phases, which can effectively avoid interference from the other AM EAS devices around.
- The standard CCTV module can output the alarm signal to the monitoring camera, and then the camera can automatically save the video at the alarm time for future use.
- The mainboard has built-in on-board buttons and screens, which can directly configure related parameters on the device without connecting to a computer.
- Supports auto-adjustment of sensitivity, suitable for various environments.
- Supports WEB login on LAN and device parameter configuration.
- Network communication function, which enables the antenna connect to the network platform at any time to remotely configure and get equipment operating status.

Strong Signal Processing Capability

The unique received signal filtering algorithm ensures accurate identification of label signals with low false alarm rate.

Multiple Connection Methods

The primary and replica antenna are both integrated transceivers, and can be used flexibly. The detection effects of the primary and replica antenna are the same.

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.

Environmental Protection

The Device is harmless to the human body. Support setting energy saving mode during non-business hours, in line with ROHS standards.

Applications

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

Technical Specification

Performance

Model	DHI-ISC-EAA2X-C201-P	DHI-ISC-EAA2X-C211-P	DHI-ISC-EAA2X-C208-P	DHI-ISC-EAA2X-C218-P	DHI-ISC-EAA2X-C201-R
Technology	Acousto-Magnetic Antenna				
Detection Frequency Band	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	Yes	Yes	Yes	Yes	Yes
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
Configuration on Webpage	NA	NA	NA	NA	NA

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
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
Network Interface	RJ45	NA
Power Interface	Bare Wire Terminal	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	1580 mm × 500 mm × 125 mm (62.20" × 19.69" × 4.92")				
Packing Size of Primary / Replica Antenna	1650 mm × 560 mm × 230 mm (64.96" × 22.05" × 9.06")				
Gross Weight	10 kg (22.05 lb)	10 kg (22.05 lb)	10 kg (22.05 lb)	10 kg (22.05 lb)	8.5 kg (18.74 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-EAA2X-C201-P	Lite Network Widen EAS AM Antenna (Primary, 220V)
	DHI-ISC-EAA2X-C211-P	Lite Network Widen EAS AM Antenna (Primary, 110V)
	DHI-ISC-EAA2X-C208-P	Lite Network Widen EAS AM Antenna (Primary, 220V, WISS Lic)
	DHI-ISC-EAA2X-C218-P	Lite Network Widen EAS AM Antenna (Primary, 110V, WISS Lic)
	DHI-ISC-EAA2X-C201-R	Lite Widen EAS AM Antenna (Replica)

Dimensions (mm[inch])

