

DHI-ISC-EAR8-C10x-x

Ultra Network Acrylic EAS RF Antenna



System Overview

Equipped with superior performance, the RF anti-theft antenna has proven its advantages in detecting various RF labels and tags within its detection range. It has an excellent anti-interference capacity, which plays a significant part in preventing loss for various retailers. There are irreplaceable features such as sturdy and colorfast aluminum alloy material as well as minimalist design, which contributes to less maintenance and easy operation. The antenna is equipped with the network communication function. This function enables the device to connect to the network platform and supports the remote viewing of the device at any time.

Features

EAS Label and Tag Detection

Effectively detects and identifies the RF tags and labels within coverage.

Sound and Light Alarm

When the tag is detected out, the loud alarm will be triggered and the color of the LED indicator will turn from the backlight color to red. And the alarm tone is adjustable.

Standby Backlight

The color of the standby backlight can be adjusted manually.

Alarm Output

This function can be used with CCTV module to synchronize the alarm signal to the monitoring camera, and the camera will record the alarm videos automatically for future reference.

- Under the laboratory circumstance, the max distance of the tag is from 1.6 m to 1.8 m (RF Square TagT004W), the max distance of the label is from 1.4 m to 1.6 m (RF Label 4040).
- The high-performance signal transmission driver works perfectly with the multi-level operational signal receiving structure, which has features as stable operation, no temperature drift, and no performance degradation in long-term use.
- Equipped with a sensitivity adjustment function, it can effectively reduce the interference of environmental noise on the Device.
- A unique receiving signal filtering algorithm ensures accurate identification of tag signals with an extremely low false alarm rate.
- Compatible with most RF tags and labels.
- Made of acrylic material, transparent and elegant. Equipped with an LED backlight, it is suitable for all kinds of shopping malls.

Integration Configuration Function

Built-in integration buttons on the main board, no need to connect to a computer, and the relative parameters can be configured directly on the device.

Network Communication Function

Supports web configuration, network platform connection, cloud service, remote configuration and more.

Applications

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

Technical Specification

Performance

Model	DHI-ISC-EAR8-C108-R	DHI-ISC-EAR8-C101-R	DHI-ISC-EAR8-C101-T
Technology	Radio-Frequency (RF)		
Detection Frequency Band	8.2 MHz		
Detection Distance of EAS Labels	1.4 – 1.6 m (4.59 ft – 5.25 ft) (Distance of two antennas) * depending on environment		
Detection Distance of EAS Tags	1.6 – 1.8 m (5.25 ft – 5.91 ft) (Distance of two antennas) * depending on environment		
Alarm Volume	Max 90 dB (Adjustable)		
Antenna Type	RX Antenna	RX Antenna	TX Antenna
Adaptability	A Single TX antenna can connect to two RX antennas simultaneously		
Sound and Light Alarm	Yes		
Network Communication Protocol	HTTP, TCP/IP		NA
Open Protocols	SDK		NA
Supporting Software	DSS Pro, Configtool, WISS	DSS Pro, Configtool	NA
Configuration on Webpage	Yes	Yes	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

CCTV Port	Output port for the linkage signal of the camera.	NA
Network Interface	RJ45	NA
Power Interface	4 Pin Terminal Block	Bare Wire Terminal

Regular Parameters

Shell Material	Acrylic		
Shell Color	Transparent		
Input Voltage	24 VDC / 3 A	24 VDC / 3 A	100 – 240 VAC @ 50 Hz / 60 Hz

Output Voltage	NA	NA	24 VDC / 3 A
Maximum Power Consumption	5 W	5 W	6 W
Typical Power Consumption	4 W	4 W	5 W
Overall Exterior Size	1569 mm × 350 mm × 134 mm (61.77" × 13.78" × 5.28")		
Packing Size of Primary / Replica Antenna	1690 mm × 464 mm × 213 mm (66.54" × 18.27" × 8.39")		
Net Weight	15 kg (33.07 lb)		
Gross Weight	20 kg (44.09 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
RF Anti-Theft Antenna	DHI-ISC-EAR8-C108-R	Ultra Network Acrylic EAS RF Antenna R WISS Lic
	DHI-ISC-EAR8-C101-R	Ultra Network Acrylic EAS RF Antenna R
	DHI-ISC-EAR8-C101-T	Ultra Network Acrylic EAS RF Antenna T

Dimensions (mm [inch])

