

# DHI-ISC-EAR8-E1xx

Ultra Network Acrylic EAS RF Antenna (MONO)



## System Overview

EAS RF Antenna is an RF label and tag detection equipment with superior performance and unmatched features. It can detect and recognize RF 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.

## Features

### EAS Label and Tag Detection

It can effectively detect RF 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 the configuration of TX strength, threshold, gain, and noise reduction level. It promotes the device's adaptability to most of the interference environment. And the parameters can be easily set on the web side.

### 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.

### 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.

- Superior detection distance, max detection distance can be 0.9 meters (RF Square Tag DHI-ISC-ETR5-T004W)
- Excellent anti-interference capacity, continuous working in complex electromagnetic environment.
- Supports network platform connection such as DSS Pro platform.
- Supports cloud services and remote configuration.
- Supports multiple languages (Optional).
- Supports CCTV linkage.
- Supports sound and light alarm and sync adjustment.
- Both alarm tone and duration can be adjusted.
- Supports alarm light adjustment.
- Supports sound and light alarm tests.
- Support tag too close alarm.
- Integrated 6 colors background LED light
- Supports firmware upgrade.
- Supports transmission strength adjustment.
- Supports noise reduction level adjustment.
- Supports alarm counting.
- Supports web configuration.
- Supports label protection.
- Supports the display of waveform graphs.
- The local logs can be viewed and exported.
- Minimalist frameless design, high transparent acrylic shell, which is beautiful, stylish, durable, solid and easy to install

### 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, 6 colors available: red, blue, green, purple, yellow, light blue.

## Applications

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

### Technical Specification

#### Performance

Model	DHI-ISC-EAR8-E108-S	DHI-ISC-EAR8-E101-S
Technology	Radio-Frequency (RF)	
Detection Frequency	8.2 MHz	
Max. Detection Distance of Tags	0.8 m - 0.9m (2.62 ft - 2.95 ft) *depending on environment	
Max. Detection Distance of Labels	0.7 m - 0.8 m (2.30 ft -2.62 ft) *depending on environment	
Alarm Volume	Max 90 dB (Adjustable)	
Antenna Type	Integrated transceiver antenna	
Sound & Light Alarm	Integrated transceiver antenna	
Signal Strength Display	Integrated transceiver antenna	

#### Certifications

Certifications	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.

#### Ports

Alarm Output Port	For Camera Linkage	
Network Port	RJ45	
Network Protocol	HTTP, TCP/IP	
Open Protocol	SDK	
Supporting Software	DSS Pro, Configtool, WISS	DSS Pro, Configtool

#### Regular

Shell Material	ABS and acrylic
Shell Color	Transparent and white
Input Voltage	100 – 240V AC @ 50 Hz / 60 Hz
Maximum Power Consumption	17 W
Typical Power Consumption	15,5 W
Overall Exterior Dimensions	1569 mm × 350 mm × 134 mm (61.77" × 13.78" × 5.28")
Packing Dimensions of Antenna	1690 mm × 464 mm × 213 mm (66.54" × 18.27" × 8.39")
Net Weight	15 kg (33.07 lb)
Total Weight	20 kg (44.09 lb)
Operating Temperature	0 °C – 45 °C ( 32 °F – 113 °F)

Operating Humidity	5 % – 95 % (RH)
Installation	Vertical pole mount

### Ordering Information

Type	Model	Description
EAS RF Antenna (MONO)	DHI-ISC-EAR8-E108-S	Ultra Network Acrylic EAS RF Antenna (MONO,WISS Lic)
	DHI-ISC-EAR8-E101-S	Ultra Network Acrylic EAS RF Antenna (MONO)

### Dimensions (mm [inch])

