dahua
TECHNOLOGY

DHI-ISC-EAR6-B001

RF Anti-theft Antenna

- High quality anti-theft antenna for various retailers.
- Excellent detection rate, minimum false alarm, good anti-interference performance.
- Durable and colorfast high strength aluminum alloy material.
- Flexibly configure antenna types based on channel width.
- Adjustable detection sensitivity to avoid power interference. Aging test proved with excellent stability.
- CCTV linkage supported.
- Sound and light alarm.
- Low power consumption, environmentally-friendly and energy-efficient.

System Overview

High-performance RF anti-theft antenna effective for various RF labels within the protective range. Good jamproof capability and adaptability for retailers to prevent loss. Made of sturdy and colorfast aluminum alloy material. Designed in minimalistic style for easy use and less maintenance.

Features

Sound & Light Alarm
When the RF tag passes through the covered area, the antenna will emit an alarm sound and flash to remind.

Phased Technology
Multi-phase scanning technology to ensure that labels can be accurately identified in all directions. In the same distance, the administrator can use smaller labels to reduce costs.

CCTV Linkage
After the CCTV is connected, the alarm time can be automatically recorded.

Strong & Durable
Forged aluminum alloy material, with good impact resistance, minimalist design, simple installation, easy commissioning, suitable for all types of stores.

Anti-Interference
A variety of debugging methods to avoid electromagnetic interference, with special power supply, isolated power noise interference.

Environmental Protection
Ultra-low power consumption, CE and Rohs certification, to ensure that the antenna energy saving and environmental protection.

Scene

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

Technical Specification

Basic parameters

Technology	Radio-Frequency (RF)
Detection Frequency	8.2 MHz/9.5 MHz
Sweep Bandwidth	950 kHz
Modulation Frequency	160/170/180/90 Hz
The Maximum Detection Distance of Soft Tags	1.6 m (pair of antenna spacing)
The Maximum Detection Distance of Hard Tags	1.8 m (pair of antenna spacing)
Alarm Volume	Standard volume 90 dB (adjustable)
Antenna Type & Number	1 × transmitter/1 × receiver
Transmitter Mode	Main/Sub
Transmitting and Receiving Quantity	1 transmitter supports a maximum of 2 receivers
Alarm Device Location	Receiver
Certifications	Conform with RoHS & CE Directive 2011/65/EU, 2015/863/EU and REACH regulations as defined in EC No 1907/2006 and subsequent amendments.

General parameters

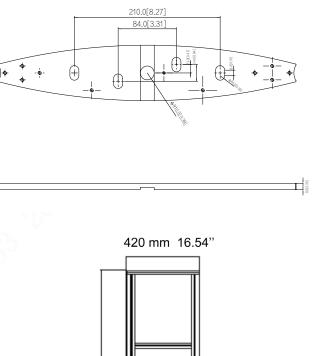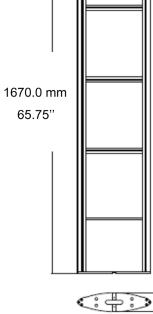|	
Shell Material	Aluminum alloy
Color	Light gray
Installation Method	Expansion screw
Power Supply Voltage	24 VDC
Adapter Parameters	Input: 100–240 VAC/50–60 Hz Output : 24 VDC 1.5 A
Transmitter Working Current	0.3 A
Receiver Working Current	0.3 A
Rated Power	15 W (a pair of antennas)
Single Antenna Size	1670 mm × 420 mm × 80 mm (65.75'' × 16.54'' × 3.15'')
Single Packing Size	1740 mm × 495 mm × 110 mm (68.50'' × 19.49'' × 4.33'')
Kit Packing Size	1740 mm × 495 mm × 220 mm (68.50'' × 19.49'' × 8.66'')
Single Gross Weight	8.8 kg (19.40 lb)
Kit Gross Weight	16.5 kg (36.38 lb)

Ports

PW - IN	24 VDC power input port
PW - OUT	24 VDC power output port
GND	Grounding port
JP1	Buzzer port
SYNC-IN	Synchronous signal input port
SYNC-OUT	Synchronous signal output port
CCTV	CCTV linkage output port

Environmental Constraints

Temperature	0 °C to 30 °C (32 °F to +86 °F)
Humidity	30 % –60 % (RH)

Dimensions (mm[inch])

420 mm 16.54''

1670.0 mm
65.75''

80 mm 3.15''

Ordering Information

Type	Model	Description
RF Anti-Theft Antenna	DHI-ISC-EAR6-B001-G02	6 Series EAS RF Antenna 1T+1R Kit (Adapter included)
	DHI-ISC-EAR6-B001-T	6 Series EAS RF Antenna (Transmitter)
	DHI-ISC-EAR6-B001-R	6 Series EAS RF Antenna (Receivers)
EAS Power Adapter	DHI-ISC-EAPG-B001	6 Series EAS RF Power Adapter