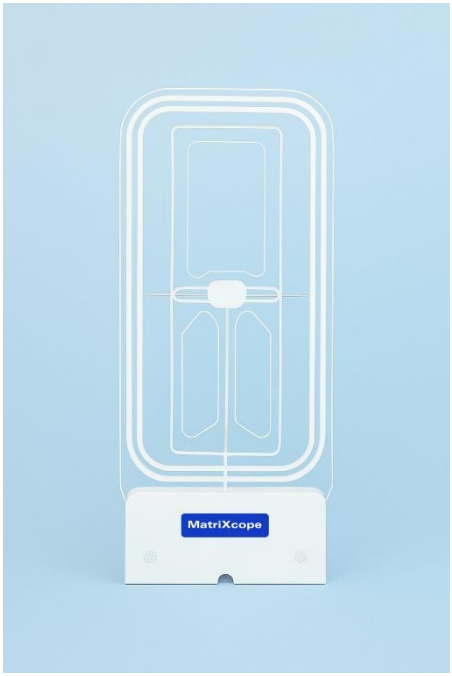
MatriXcope

MTC-RFID6001EM

Security Gate RFID-EM Matrixcope



General specifications

Technical Parameters	
Operating Frequency	13.56MHz±7KHz, 1.04KHz
Compliant Protocols	ISO/IEC15693, ISO18000-3
Reading Distance	Maximum 90cm (related to tag and antenna size)
Communication Interface	RS232/Network
Infrared Quantity	2 pairs
Output Impedance	50Ω, 8Ω
Tag Overlap Area	Max: 25% (for adjacent tags) ①
Cascade Quantity	Max: 5 sets (11 units) ②
Operating Voltage	Operating Voltage
Rated Power	<15W, 35W
Environmental Parameters	
Operating Temperature	-10℃～55℃
Storage Temperature	-20℃～70℃
Humidity Range	20%～90% RH
Physical Parameters	
Antenna Size	Length * Width * Thickness (mm) 1690*720*25
Weight	Type A: 38Kg, Type B: 39Kg
Color	Transparent
Shell Material	Acrylic

***Overview:**

The system can simultaneously detect hybrid dual tags (EM tags and high-frequency RFID tags). The antenna adopts an imported acrylic hollow design, featuring excellent light transmittance and high wear resistance, and supports multi-dimensional tag reading, ensuring a high system detection rate. The control circuit uses a self-developed CPU controller by our company, which can suppress interference signals more quickly, accurately extract the required alarm signals from the signals, and improve the device's anti-interference ability and alarm rate. The system has a built-in passenger flow counter and can be linked with cameras and turnstiles via ports. This product is widely used in smart libraries, archives, asset management and other places.

Product Functions

1. Capable of simultaneous identification and alarm for EM magnetic strips and RFID chips.
2. Alarm Method: Sound and light alarm
3. Compatible with both domestic and international EM magnetic strips and high-frequency RFID chips.
4. The system can be used with either AFI alarm mode or EAS alarm mode.
5. Enables non-contact and rapid identification of RFID tags attached to circulating documents.
6. Can perform security scanning on RFID tags in circulating documents (such as printed materials, audio-visual publications, CDs and DVDs) in libraries, without damaging magnetic media materials attached to the circulating documents and without being interfered by magnetic strips in the circulating documents.
7. The device system has high detection performance, supports 3D monitoring, and requires no false alarms or missed alarms.8. Optional counter statistics function.
9. Optional multi-channel alarm function.
10. Optional linkage with access control systems for door opening/closing control.
11. Optional linkage with monitoring systems to realize alarm capture function.
12. Can realize passenger flow statistics, alarm count and name data upload & analysis, and remote device management and control functions through API interfaces.

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