VI-IR40-HF

HF RFID industrial reader

Product specification

深圳市万全智能技术有限公司

Shenzhen Vanch Intelligent Technology Co.,Ltd

Features:

- Industrial-grade design, IP67 protection level, can adapt to harsh environments such as oil, dust, and moisture;

- All industrial-grade electronic components are used, with built-in filters and isolation modules to resist interference, ensuring stable and reliable quality;

- Customize the RFID sensing surface to allow for free card reading from the front or side;

- The operating frequency is 13.56MHZ, and it supports ISO 15693/14443A standards;

- Compact body, easy to install;

- Support DC9-24V wide voltage input;

- Connection interface RS485; supports Wanquan VUP protocol and Modbus RTU protocol

Application scenarios:

Vanquan VANCH brand industrial RFID identification series products are widely used in automobile manufacturing, photovoltaic lithium batteries, equipment manufacturing, logistics sorting, workstation assembly lines, home appliance/3C mixed production lines, tool management, AGV robot control and other scenarios+

Specifications:

Product Model	VI-IR40-HF
Performance	
Air interface protocol	ISO15693/ ISO 14443
working frequency	13.56MHz
Reading distance	0~80mm (depending on the label) For example, for a Ø30 industrial label, the identification distance is 60mm
antenna	PCB integrated antenna
Communication Interface	RS485
Protocol	VUP protocol, Modbus RTU Protocol
Communication rate	Serial communication rate 9600～ 115200bps
Working status	LED indicator (ice blue)
Reliable firmware upgrade	Scalable upgrade mechanism
Application Software Interface	Provide API development kit and C, C# and Java application examples
Mechanical and electrical properties	

size	40*40* 6 5mm
Operating Voltage	DC24V
Power consumption	< 2 W
Communication harness	M12 -A type 5- core female connector
weight	About 120g (whole set)
humidity	5% ~ 95%, non-condensing
Protection level	IP67
Operating temperature	-40ºC ~ +70ºC
storage temperature	Normal temperature
Mounting brackets	Iron galvanizing or powder coating process

Packing Specifications: