



firmware, and the PROFINET protocol version supports RS232 serial port and WIFI to upgrade the firmware;

(11) Applicable to automated production line projects, such as production assembly lines, sorting lines, cycle logistics, automated production lines, mold management, auto parts and assembly lines, etc.;



Logistics sorting line



Auto parts management



Machine tool management

## Specification:

Model		VI-IR600
Performance Index		
RF core chip	Indy R2000 dedicated radio frequency chip	
Air interface agreement	EPC Global UHF class1 Gen2/ISO 18000-6C/ISO 18000-6B	
Frequency Range	902~928MHz or 865~868MHz	
RF output power	0~33dBm±1dBm	
Maximum receiving sensitivity	-75 dbm; Maximum return loss: 10 dbm	
Reading distance	0~7500mm (related to reader parameter configuration, antenna gain, tag type)	
Write distance	0~4000mm (related to reader parameter configuration, antenna gain, tag type)	
Support area	The U.S., Canada and other regions that comply with U.S. FCC Part 15 regulations Europe and other regions complying with ETSI EN 302 308 specifications China, India, Japan, South Korea, Malaysia, Taiwan	
Frequency modulation method	Broad spectrum frequency modulation (FHSS) or fixed frequency, can be set by software	
Number of antennas	Built-in 5dbi four-wall helical antenna	
	-10dbi near field PCB antenna	
Communication Interface	RS232, RS485, RJ45	
Protocol support	Normal version supports Modbus RTU, Modbus TCP protocol	
	PROFINET version supports Modbus RTU, PROFINET protocol	
WiFi	Support IEEE 802.11 n/b/g	

Heating device (optional)	Low temperature automatic heating (minus 5°) optional (determined according to the project site environment)
Communication rate	Serial communication rate 9600 ~ 115200bps, RJ45 communication rate 10/100Mbps
Work status display mode	LED indicator, buzzer
GPIO	2 inputs, 4 outputs
Firmware upgrade	Scalable upgrade mechanism or WIFI upgrade
Application software interface	Provide API development kits and C and Java application routines
<b>Mechanical and electrical properties</b>	
Size	120 (length) * 125 (width) * 50.5 (height) mm
Power supply	Working voltage DC9~24V, PROFINET version supports POE power supply
Power consumption	Maximum power consumption 3W, maximum starting current 1A
Packed weight	450g (to be determined)
Humidity	5% ~ 95%, non-condensing
Protection level	IEC IP67
Operating temperature	-40°C ~ 70°C
Storage temperature	-40°C ~ 85°C
Connector form	Round waterproof M12 pin female seat
Compliance certification	FCC certification, CE certification
Mounting bracket method	Aluminum alloy bracket, adjustable reading angle

