

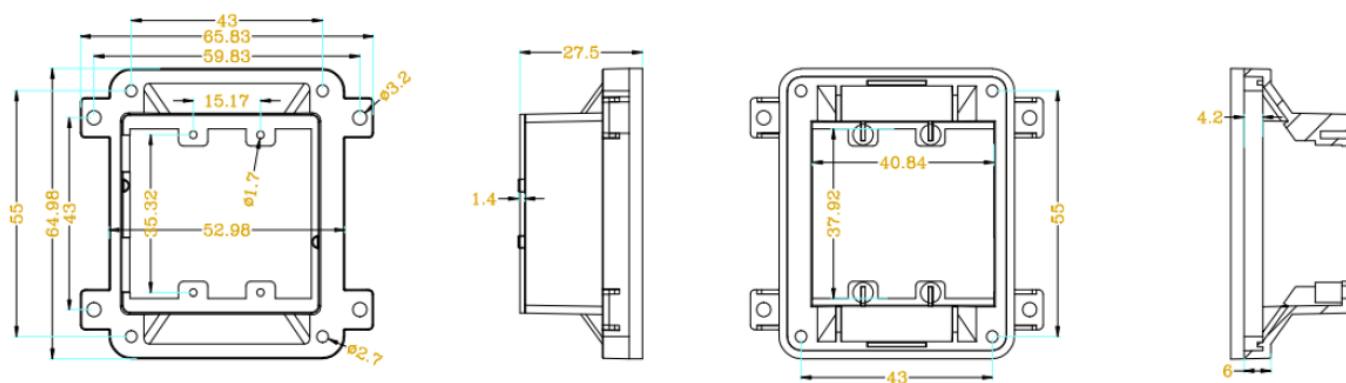
HW-1521

FEATURES & BENEFITS

- 32-bit high performance CPU, 1GHz frequency
- Decoding min barcode density: 5mil
- Support 1D/2D barcode on paper and screen
- Interface TTL232, RS232 and USB (HID, COM)
- Decoding at low and high brightness environment
- Auto-sensing, Continuous, Host Mode
- Large window, small size, fast convenient installation



Installation Dimensions



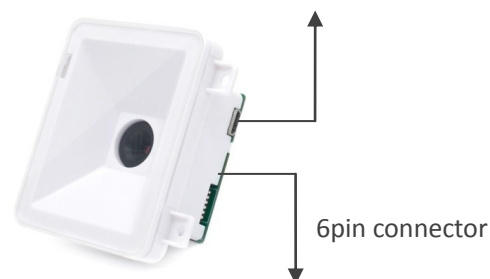
Interface definitions

Interface 1: by 12pin FFC cable

PIN	I/O	Definition	Description
PIN 1	-	NC	floating
PIN 2	-	VCC	3.3V power
PIN 3	-	GND	ground
PIN 4	Input	RX	TTL serial port reception
PIN 5	Output	TX	TTL serial port transmission
PIN 6	I/O	D-	USB D-
PIN 7	I/O	D+	USB D+
PIN 8	-	NC	floating
PIN 9	Output	BEEPER	Control external buzzer
PIN10	Output	DLED	Control external LED
PIN11	-	NC	floating
PIN12	Input	TRIG	Trigger signal, keep low level 10ms to trigger to read

Interface 2: USB

Micro USB—USB Cable
Standard USB interface plug and play



Interface 3: RS232

6pin UART Cable, open wire
Contact for detailed interface definition

Technical Specification

HW-1521 Parameters

Reading performance	Image Sensor	CMOS	
	Resolution	300 thousand 640*480pixels	
	Decoding capacity	Support paper and screen barcodes	
		2D: QR Code, PDF417, Micro PDF417, Data Matrix,Aztec etc.	
		1D: Code 39,Code11, Code 128, UPC-A, UPC-E, UPC-E1, EAN-8, EAN-13,EAN14, EAN-128, UCC128, ISBN/ISSN, Code32, Code39 full ASCII, Code 93, Interleaved 2 of 5, GS1,Matrix 2 of 5, Industrial 2 of 5,China Post, UK/Plessey etc..	
		all normal 1D	
	Precision	5mil	
	Light Source	LED(630nm $\pm$ 10nm)	
	View Angle	66° (H) x50° (V)	
	Scan Angle	Rotation360° ,tilt $\pm$ 60° ,skew $\pm$ 45°	
Mechanical and electrical	Min Contrast	30%	
	Trigger Mode	Auto-sensing, Continuous, Host(programmable) Mode	
	Typical DOF	Code 128(6mil) 30-100mm	Code 128(20mil)50-250mm
		QR code(5mil)30-60mm	QR code(20mil)40-220mm
	Performance may be impacted by bar code quality and environmental conditions		
	Interface	TTL232,RS232,USB(HID, COM)	
	Input Voltage	DC 3.8V-5.25V or 12VDC $\pm$ 10%	
	Working Voltage	DC 3.3V $\pm$ 5%	
	Working Current	90-100mA (working) 1.5mA(TTL standby) 45mA(USB standby)	
	Dimensions	65*60*28mm	
Environment Request	Weight	35g(without cable)	
	Indication	Buzzer & LED	
	Working Tem	-20~78℃	
	Storage Tem	-40~70℃	
	Humidity	5%-95%(Non-condensing)	
	Light Immunity	0~10,000Lux	

Application Scenario



Ticket, Turnstile machine



Self-service machine



Cabinet for Logistic