

HW-1870R

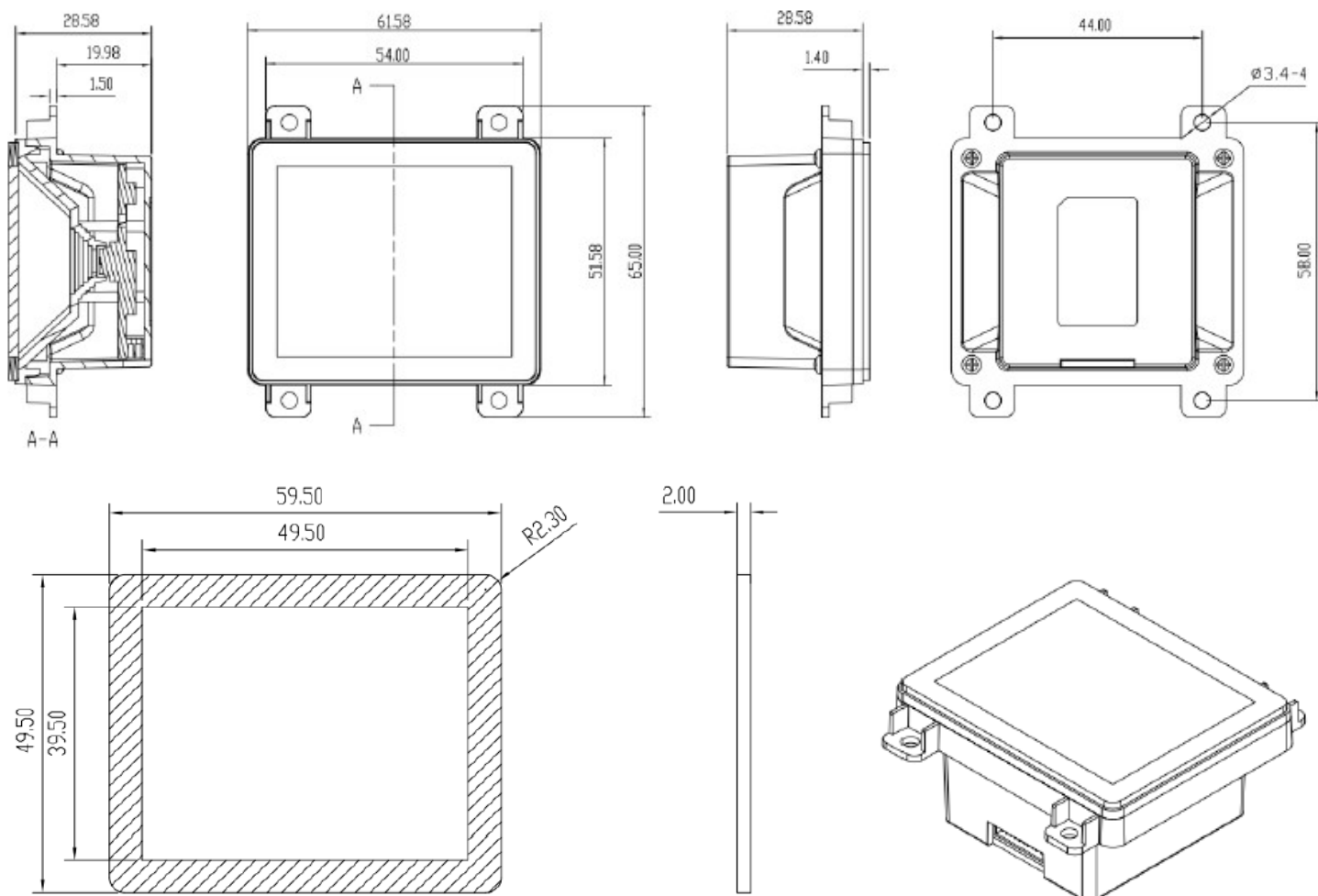
FEATURES & BENEFITS

- Roller shutter
- 32-bit high performance CPU, 1GHz frequency
- Decoding min barcode density: 4mil
- Support 1D/2D barcode on paper and screen
- Extremely high sensitivity, quick scanning
- Interface RS232 and USB(HID, COM), TTL
- Decoding at low and high brightness environment
- Manual, Auto-sensing, Continuous, Host Mode
- Large window, small size, fast convenient installation



Installation Dimensions

Unit: mm



The front cover dimensions

Interface Definitions

- . Connector spec: pitch 1.25mm/11pin/male
- . Default cable: client end connector is USB-A, Serial port cable can be DB9+USB-A for client end or open wire.

PIN	I/O	Definition	Description
PIN 1	Output	BEE	Control buzzer, high level valid
PIN 2	Input	KEY	Signal trigger, Low level valid
PIN 3	-	USB D-	USB HID or USB COM
PIN 4	-	USB D+	USB HID or USB COM
PIN 5	Output	LED-C	Control Indicator LED, low level valid
PIN 6	Input	RXD	TTL RX 3.3VDC or RS232 5VDC
PIN 7	Output	TXD	TTL TX 3.3VDC or RS232 5VDC
PIN 8	-	EN	floating
PIN 9	-	GND	Ground
PIN10	Input	RESET	Reset pin, low level valid
PIN11	-	+5V	5VDC Power



Serial port cable
TTL OR RS232 signal port

Client End is wire

USB port cable
USB/USB COM signal port

Client End is USB type A

Serial port cable
RS232 signal port

Client End is DB9 CON for data ;
USB type A for power

Application Scenario



Ticket on bus



Turnstile



Vending machine

Technical Specification

HW-1870R Parameters

Reading performance	Image Sensor	CMOS		
	Exposure	Roller shutter		
	Resolution	300 thousand 640*480pixels		
	Decoding capacity	Support paper and screen barcodes		
		2D: QR, MICROQR, PDF417, MICROPDF417, DATAMATRIX, MAXICODE, AZTEC, HANXIN etc.		
		1D: UPC-A, UPC-E, EAN-13, ISBN10, ISBN13, EAN-8、		
		CODE39, CODE 11, CODE 93, CODE128, INTERLEAVED25, INDUSTRIAL25, MATRIX25, S25, CODE 32, TRIOPTIC39, GS1_128, CODABAR, MSI, CHINA POST, TELEPEN, RSS, GS1_DATABAR, GS1_DATABAR_LIM, GS1_DATABAR_EXP etc. all normal 1D		
	Precision	4mil		
	Light Source	LED(630nm±10nm)		
	View Angle	76.7° (H) x53.4° (V)		
	Scan Angle	Rotation360° ,tilt±57° ,skew±57°		
	Min Contrast	25%		
	IR Sensing	Support		
Mechanical and electrical	Typical DOF	15-100mm(5mil code39)	15-150mm(10mil code39)	
		15-110mm(5mil UPCA)	15-120mm(10mil UPCA)	
		25-150mm(15mil QR)	15-150mm(8mil QR)	
		12-110mm(5mil PDF417)	11-130mm(8mil Data Matrix)	
		Performance may be impacted by bar code quality and environmental conditions		
	Indication	Buzzer & LED		
Environment Request	Interface	RS232(DB9), USB(HID, COM),TTL232		
	Working Voltage	DC 5V		
	Current	150mA(Max)	90mA(working)	1mA(standby)
	Dimensions	65*61*29mm		
	Weight	35g(without cable)		
Environment Request	Working Tem	-30~65℃		
	Storage Tem	-40~70℃		
	Humidity	5%-95%(Non-condensing)		
	Light Immunity	0~100,000Lux		
	Drop Test	1.8M(6ft)		