

HW-1590

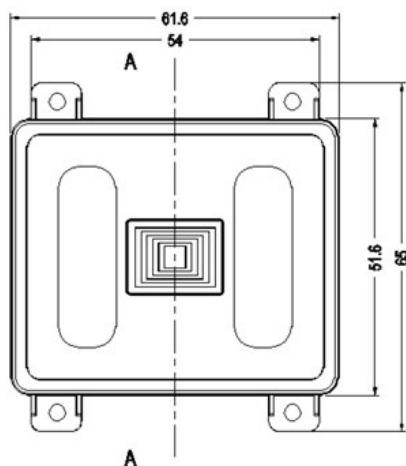
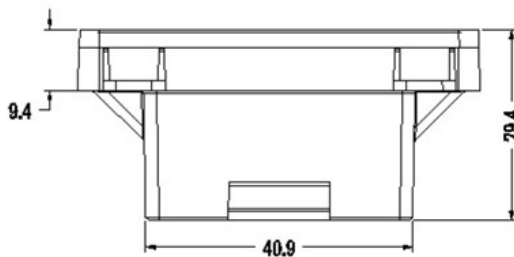
FEATURES & BENEFITS

- Global shutter 1280*800pixel resolution
- 32-bit high performance CPU,1GHz frequency
- Decoding min barcode density:3mil
- Support 1D/2D barcode on paper and screen
- Reading distance up to max 1.6meters
- Interface RS232,RS485,USB(HID,COM),TTL
- Decoding at low and high brightness environment
- Manual, Auto-sensing, Continuous, Host Mode

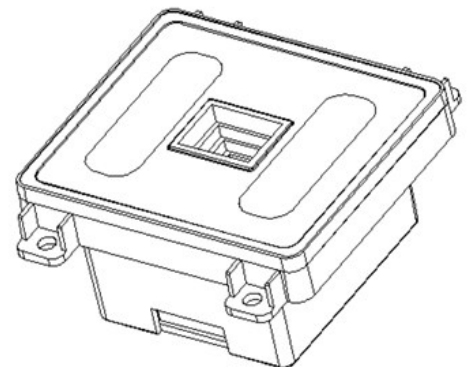
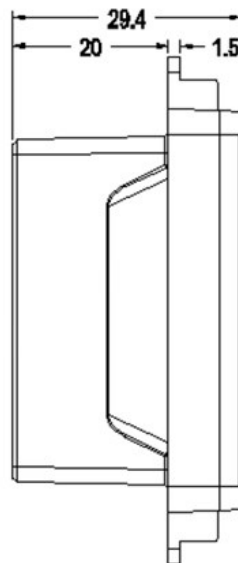


Installation Dimensions

Unit: mm



**The front side



**Complete appearance

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



Parking Kiosk



Smart production



Expressway toll station

Technical Specification

HW-1590 Parameters

Reading performance	Image Sensor	CMOS	
	Exposure	Global shutter	
	Resolution	1280*800pixels 60fps	
	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	3mil	
	Light Source	LED(630nm $\pm$ 10nm)	
	View Angle	76.7° (H) x53.4° (V)	
	Scan Angle	Rotation360° ,tilt $\pm$ 65° ,skew $\pm$ 65°	
	Min Contrast	20%	
	Reading distance	25-160cm	
Mechanical and electrical	IR Sensing	Support	
	Typical DOF	25-160cm(20mil QR)	
		Performance may be impacted by bar code quality and environmental conditions	
	Interface	RS232(DB9, USB(HID, COM),RS485,TTL232	
	Working Voltage	DC 5V(4.8-5.2V)	
	Current	200mA(Max working)	100mA(standby)
	Dimensions	65*61*29mm	
Environment Request	Weight	35g(without cable)	
	Indication	Buzzer & LED	
	Working Tem	-30~65℃	
	Storage Tem	-40~70℃	
	Humidity	5%-95%(Non-condensing)	
	Light Immunity	0~100,000Lux	
	Drop Test	1.8M(6ft)	