

## ST-2040

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### 2D Image Hand-held Barcode Scanner

ST-2040 is a two-dimensional image scanner with excellent quality. It adopts the third generation image scanning technology to make scanning more sensitive and accurate. It can be used in many kinds of application environments, whether it is two-dimensional code or one-dimensional bar code, it can scan all directions, whether label bar code or screen display bar code can be sensitive to identify, even in scanning damaged or printing poor quality bar code, All present excellent decoding performance.

The ST-2040 provides customers with rich and varied settings in terms of functionality. For example, the scanning mode can choose keystroke trigger or automatic continuous scan, the communication mode can choose USB or virtual serial port, can add prefix and suffix to the bar code data, can choose a variety of terminators and so on. Rich functions can fully meet the special requirements of various customers.

The curing technology of 100% makes ST-2040 not easy to be damaged, the keystroke strengthened by structure can withstand rough use, comfortable keys and handheld handle which accord with ergonomic design, are very convenient and comfortable to use, not easy to fatigue. To sum up the ST-2040 is a fully meet customer requirements, reliable and affordable scanner. Can be widely used in express logistics, retail, electronic commerce, office automation and other fields.



### Characteristics

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- Ultra - strong error correction characteristic : can identify special bar code such as wrinkle , deformation , water coagulation , dirt , etc . , reduce the probability of manual input of bar code.
- Omnidirectional scan characteristics: omnidirectional 360 °bar code recognition, multi-angle to provide a larger scanning range, terminal customer use easier to use.
- More features: supports Chinese 2 D code USB driver free direct output. Optional supporting invoice 2 D code. Can be adapted to more application scenarios
- Resistance to fall design: Hejie appearance patent, suitable for Chinese hand type. All-curing digital circuit, with soft wrap, a better protection of unexpected situations.
- Durable detail Design: IP5X Class Protection Class, exclusive Cross key Design, Integrated Copper data Line, Aftermarket Non-human damage fully insured for one year.

## Technical parameter

### Performance parameter

Optical system : CMOS

Capture light source: 617nm LED

Lighting source: 6500K LED

Scan Angel: Roll 360° \Pitch  $\pm 60^\circ$  \Skew  $\pm 65^\circ$

Lowest contrast: 20%

Recognition accuracy: 5mil (CODE39,70% Printing contrast)

Read code system 1D: UPC/EAN, UPC/EAN with supplementals, Bookland EAN, ISSN, UCC Coupon Extended Code, Code 128, GS1-128, ISBT 128, Code 39, Code 39 Full ASCII, Trioptic Code 39, Code 32, Code 93, Code 11, Matrix 2 of 5, Interleaved 2 of 5, Discrete 2 of 5, Codabar, MSI, Chinese 2 of 5, GS1 DataBar variants, Korean 3 of 5, Pharmacode (Optional)

Read code system 2D: QR Code,PDF417, Data Matrix,

### Electrical parameters

Electric voltage: 5V DC  $\pm 10\%$

Electric current: Scanning 190mA $\pm 10$ ma / Standby 10mA /

### Mechanical parameters

Size: 170mm(L)x 60mm(W)x95mm(H)

Shell material: ABS+TPU

Weight: 165g (Containing cable)

Interface: USB (Optional RS-232)

Cable length: 150cm

Drop: Anti 1 meter free fall cement ground

### Environmental parameter

Working temperature :  $-5^\circ\text{C} \sim 65^\circ\text{C}$

Storage temperature:  $-20^\circ\text{C} \sim 70^\circ\text{C}$

Working humidity: 5%~90% (non-condensing)

Environment light : 0~100,000 lux

Typical depth of field performance:		
5mil	code128	15mm - 79mm
10mil	QR code	7mm - 83mm
13mil	EAN-13	35mm - 225mm
20mil	code128	15mm - 172mm
50mil	code128	80mm - 520mm

\*The above parameters are subject to actual measurement and are for reference only

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**Imported and Marketed By:**

**Scantech**

**Reg Office: #05-004/014/T6,Kavya Residency,**

**Ranga Nagar Colony, Chinthal,**

**Hydeabad-500037.**

**Corp Office : Flat No:100, Sai Krishna' s Sai Ram Residency,**

**Beside Brilliant Grammer, High School,**

**Near Balkampet Road, S.R.Nagar,**

**Hyderabad-500 038.**

**Email : [sales@scantech.co.in](mailto:sales@scantech.co.in)**

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