



# 2D Omni-directional Desktop Barcode Scanner

**HW-5800**

## FEATURES & BENEFITS

- Desktop flatbed & Concise design
- Decoding min barcode density:4mil
- Support 1D/2D barcode on paper and screen
- Can read color barcode
- High speed image acquisition and decoding
- Infrared induction trigger



# Technical Specification

## HW-5800 Parameters

|                           |                       |                                                                                          |
|---------------------------|-----------------------|------------------------------------------------------------------------------------------|
| Reading performance       | Image Sensor          | CMOS                                                                                     |
|                           | Resolution            | 752 x 480,60fps                                                                          |
|                           | Decoding capacity     | Support paper and screen barcodes                                                        |
|                           |                       | 2D: QR,PDF417,Micro PDF417, Data Matrix etc.                                             |
|                           |                       | 1D: UPC/EAN, Code39, interleaved 2 of 5, Code93, Code 128, CodaBar, Industry25, Matrix25 |
|                           | Precision             | 0.1 mm(4mil)@Code 39, PCS=90%                                                            |
|                           | Light Source          | 620nm Visible Red Diode                                                                  |
|                           | View Angle            | 66° (H) x50° (V)                                                                         |
|                           | Scan Angle            | Rotation360° ,tilt±50° ,skew±60°                                                         |
|                           | Scan speed            | 280 times / sec                                                                          |
| Mechanical and electrical | Trigger Mode          | Manual / Continuous scan/ Auto Detective                                                 |
|                           | Scan distance         | 5mil: 5 to 10 cm, max 80 cm                                                              |
|                           | Interface             | USB, RS232,USB COM                                                                       |
|                           | Working Voltage       | 5VDC±10%                                                                                 |
|                           | Power                 | Operating 1.2W (160mA@5VDC) Standby 0.2W                                                 |
|                           | Dimensions            | 140mm x75mm x80mm                                                                        |
|                           | Weight                | 296g                                                                                     |
| Environment Request       | Indication            | LED &Buzzer                                                                              |
|                           | Working Tem           | 0℃~ +40℃                                                                                 |
|                           | Storage Tem           | -20℃~ +60℃                                                                               |
|                           | Humidity              | 5%-95%(Non-condensing)                                                                   |
|                           | Ingression Protection | IP43                                                                                     |
|                           | Light level           | 0~4,000 Lux, 0~100,000 Lux(sunlight)                                                     |
| Shock resistance          |                       | Designed to withstand 1.2 meters drop on concrete surface                                |