

# AS-8050

An excellent scanner for general purpose



## Applications



### Fast 1D barcode reading

New technology and powerful scan engine with excellent performance highly increase the reading speed.



### Up to 3mil reading capacity

High density resolution that can capture the code on 3mil barcode such as jewelry tag.



### Easy to read screen barcodes

Support all type of electronic device, such as mobile phone, tablet and LCD display.



Jewelry Tag



Manufacturing



Transportation  
& Logistics



Health Care

## General Specifications

|                             |  |            |            |
|-----------------------------|--|------------|------------|
| Optical Characteristics     | AS-8050  |            |            |
| Photo Sensor                | CCD Linear Sensor  |            |            |
| Sensor Resolution           | 2500 pixels  |            |            |
| Light Source                | 632nm red LED  |            |            |
| Physical Characteristics    |  |            |            |
| Dimensions                  | 97mm*67mm*165mm  |            |            |
| Weight                      | 172.3g without cable   |            |            |
| Interface Supported         | USB HID, USB V-Com   |            |            |
| Symbology Decode Capability |  |            |            |
| 1-D Symbologies             | EAN-8, EAN-13, UPC-A, UPC-E, CODABAR (NW7), Code 39, Code 93, INTERLEAVED 2 of 5, STANDARD 2 of 5, MATRIX 2 of 5, Code 128, EAN/UCC 128, Code 11, Chinese post |            |            |
| Resolution                  | 3 mils, Code 39 (PCS=0.9)  |            |            |
| Print Contrast              | Min. 25%, UPCA/EAN 13 (13mil)  |            |            |
| Scan Speed                  | 350±50 scan/sec  |            |            |
| Scan Angle                  | Pitch angle: ±30°, Skew angle: ±70°, Tilt angle: ±45°  |            |            |
| User Environment            |  |            |            |
| Operation Temperature       | -10°C to 50°C (14°F to 122°F)  |            |            |
| Storage Temperature         | -30°C to 70°C (-22°F to 158°F)   |            |            |
| Humidity                    | 5% to 95% related humidity, non-condensing   |            |            |
| Drop Specifications         | Withstands multiple 1.5M drops to concrete   |            |            |
| Contaminants                | Seals to resist airborne particulate contaminants (IP42)   |            |            |
| Light Level                 | Up to 80,000 LUX   |            |            |
| Electrical Characteristics  |  |            |            |
| Input Voltage               | DV5V±10%   |            |            |
| Operation Current           | 120mA@5V-typical value   |            |            |
| Operation Power             | 600mW  |            |            |
| Safety Standard             | EN60950-1  |            |            |
| EMC                         | EN55022, EN55024   |            |            |
| Reading Performance         |  |            |            |
| Depth of Field              | Testing Code   | DOF (Min.) | DOF (Max.) |
|                             | 3mil Code39  | 30mm       | 100mm      |
|                             | 5mil Code39  | 30mm       | 150mm      |
|                             | 10mil Code39   | 30mm       | 170mm      |
|                             | 12mil Code39   | 35mm       | 210mm      |
|                             | 13mil Code39   | 68mm       | 280mm      |
|                             | 13mil EAN13  | 48mm       | 270mm      |
|                             | 34mil Code39   | 190mm      | 700mm      |

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