



# SW111

## Barcode Scanner

Unleashed and Unlimited

**170g**  
Weight

**1m**  
Drop Specification

**1D/2D**  
Scan Imager

**5.0**  
Bluetooth

**1280x800 pixels**  
Global Shutter

SW111 is a high-end, wireless Bluetooth barcode scanner that supports ultra-wide connection range freeing your workspace from wires. With a high-end scan engine, it can easily identify various barcodes delivering an even more efficient working experience.

### High-End Scan Engine, Ultimate Performance

SW111 is equipped with Honeywell N6703 HD high-end scan engine, which can accurately identify all types of barcodes regardless of complexity and size. In addition, it's wide-angle identification and inclusiveness is superior to the same level of products in the market allowing it to easily capture barcodes accurately without needing to fully align with the barcode.

### Customizable Data Display, Unified Format for Archived Files

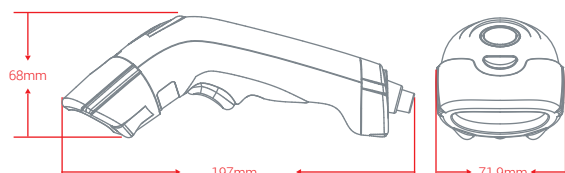
Users can customize SW111 to display their preferred scan data according to their needs and requirements. For example, users can select to only showing the first six digits of a nine-digit barcode, making the user experience more convenient and intuitive for identification purposes.

### Ultra-Wide Connection Range, Long-Lasting Battery

SW111 is equipped with a 2040mAh large-capacity battery that can continuously scan barcodes for up to 14,500 times.\* It has been designed with Bluetooth technology to deliver an ultra-wide connection range of up to 25m indoors and 50m outdoors when combined with a USB dongle. In addition to the connection range, SW111 can store more than 50,000 entries of barcode data allowing you to enjoy the unconstrained scanning experience. \*Calculation is based on scan every 5 seconds.

### Magnetic Charging Cable for Convenient Usage

SW111 comes with a magnetic charging cable that can be easily connected to the device reducing damage caused by repeated plugging and unplugging of charging cables. The SW112 can still scan barcodes while simultaneously charging, giving users the ability to have continuity in their productivity even when needing to charge.



### APPLICATIONS



Retail



Manufacturing



Warehouse



Logistics

# SW111

## Specification

Update Date: 2023.09.19

### Physical Characteristics

<b>Dimensions</b>	197mm* 71.9mm* 68mm
<b>Weight</b>	170g
<b>Color</b>	Black
<b>Cable Length</b>	1.8m straight type

### Performance Characteristics

<b>Light Source</b>	White LED illumination, LED red aimer
<b>Image Sensor</b>	1280 x 800 pixels Global Shutter
<b>Minimum Print Contrast (PCS)</b>	Up to 0.20 ( 20% minimum print contrast ratio )
<b>Scan Rate</b>	60 frames per second
<b>Motion Tolerance</b>	<ul style="list-style-type: none"> <li>• 600 cm/s ( 236 in/s ) maximum</li> <li>• 400 cm/s ( 157 in/s ) typical</li> </ul>
<b>Pitch/Skew/Tilt Tolerance</b>	<ul style="list-style-type: none"> <li>• Pitch : ±60°</li> <li>• Skew: ±60°</li> <li>• Tilt : 360°</li> </ul>
<b>Field of View</b>	<ul style="list-style-type: none"> <li>• Horizontal: 48°</li> <li>• Vertical: 31°</li> </ul>

### Decode Capabilities

<b>Scan Imager</b>	1D/2D
<b>Supported Symbolologies</b>	<ul style="list-style-type: none"> <li>• <b>Barcode (1D):</b> Codabar, Code 11, Code 128, Code 2 of 5, Code 39, Code 93 and 93i, EAN/JAN13, EAN/JAN8, IATA code 2 of 5, Interleaved 2 of 5, Matrix 2 of 5, MSI, GS1 Databar, UPC-A, UPC E, UPCA/EAN-13 with Extended coupon Code, Coupon GS1 Code 32 ( PARAF ), EANUCC Emulation</li> <li>• <b>Postal code:</b> Australian Post, British Post, Canadian Post, China Post, Japanese Post, Korea Post, Netherlands Post, Planet Code, Postnet</li> <li>• <b>2D Stacked:</b> Codablock A, Codablock F, PDF417, MicroPDF417</li> <li>• <b>2D Matrix :</b> Aztec Code, Data Matrix, MaxiCode, QR Code, Chinese Sensible ( Han Xin ) Code</li> </ul>
<b>Resolution</b>	2.5mils ( Code 39), 5mils (Data Matrix ), 5mil ( QR ), 4mils ( PDF417 )
<b>Decode Ranges</b>	<ul style="list-style-type: none"> <li>• Minimum Distance : 4cm / 1.57in ( Code 39, PSC 0.9, 10mil )</li> <li>• Maximum Distance : 51.7cm / 20.3in ( Code 39, PSC 0.9, 10mil )</li> <li>• Depth of field at UPC-A: 44 ~ 573mm/1.73 ~ 22.5 in(13mil)</li> </ul>

- Depth of field at code 39 :  
70 ~ 301 mm / 2.76 ~ 11.85 in (5 mil)  
40 ~ 517 mm / 1.57 ~ 20.3 in (10 mil)  
44 ~ 800 mm / 1.73 ~ 31.5 in (20 mil)
- Depth of field at code 128 :  
42 ~ 650 mm / 1.65 ~ 25.6 in (15 mil)
- Depth of field at Data Matrix :  
72 ~ 297 mm / 2.84 ~ 11.7 in (10 mil)
- Depth of field at PDF417 :  
84 ~ 244 mm / 3.3 ~ 9.6 in (6.7 mil)
- At QR Code :  
39 ~ 414 mm / 1.54 ~ 16.3 in (15 mil)

### Communication Interfaces

<b>Supported Host Interfaces</b>	USB HID, USB COM, SPP, Master
<b>Wireless Communication</b>	Bluetooth BT5.0, communication range about 3~5m

### Power

<b>Voltage Requirement</b>	DC 5V ± 5%
<b>Power Consumption</b>	Under 200mA (operation), Under 25mA (standby)
<b>Battery</b>	<ul style="list-style-type: none"> <li>• 2040mAH Lithium Battery ( Customized 18500 with protection circuit )</li> <li>• Recharging time: 4.5 hours</li> </ul>

### User Environment

<b>Operating Temp.</b>	-10~40 °C (14~40 F)
<b>Storage Temp.</b>	-40C~60C (-40 ~76 F)
<b>Environment Humidity</b>	5%~95% RH
<b>Ambient Light Immunity</b>	0 to 100,000 lux( total darkness to bright sunlight )
<b>Sealing</b>	IP40
<b>Drop Specification</b>	1m

### OS Support

<b>OS Support</b>	Windows
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### Regulatory Compliance

<b>Certification</b>	CE/ FCC/ VCCI/ BSMI/ NCC/ TELEC
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### Accessories

<b>Accessories</b>	<ul style="list-style-type: none"> <li>• Magnetic charging cable</li> <li>• Stand (Optional)</li> <li>• USB dongle (Optional)</li> </ul>
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