# Handheld 2D Scanner with OCR & Base

## SC420



The SC420 Handheld 2D Barcode and OCR Scanner is a powerful, versatile tool for retail and semi-industrial environments. Its high-speed imaging engine (60 fps) ensures fast, accurate reading of 1D and 2D barcodes on paper or screens.

With advanced OCR technology, it supports Machine Readable Zone (MRZ) scanning–ideal for IDs, passports, and other official documents. Fully compatible with Windows, Linux, Android, macOS, and iOS, the SC420 fits seamlessly into government, banking, retail, hospitality, healthcare, and industrial workflows.





### Features:

- OCR technology with MRZ support
- Omnidirectional reading of 1D/2D, even low-quality codes
- Scan Rate 60 frames per second
- 1.5mt (5ft) Drop Resistance
- Mobile Devices Reading: Scans coupons, mobile tickets and digital wallets from the screens.
- Compatible with Windows, macOS, Linux, Android, iOS

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| **Physical** | |
| Construction | ABS + TPU |
| Color | Gray and Black |
| Dimensions | 148mm (H) x 91mm (D) x63mm (W) |
| Weight | Scanner: 200g Base: 350g |
| Cable | Standard 2M straight |
| **Features** | |
| Scan Rate | 60 Frames per second |
| Depth of field | 10cm - 43cm （13mil EAN13） |
| Antiknock design | Withstand 1.5m (5 ft.) drops |
| life of button | 5 million scans |
| Interface | USB and USB virtual Com |
| Compatibility | Windows, Linux, Android, Mac OS, iOS |
| **Performance** | |
| Optical System | 1280 x 800 pixels |
| Resolution | 1D: 4mil, 2D: 6mil |
| Aim Light Source | Red LED aimer |
| Light Source | White LED aimer |
| Field of View | Rotate 360°, inclination 55°, elevation 70° |
| Print Contrast | 20% @ UPC/EAN 100% |
| Photo Sensor | CMOS Array Sensor |
| Visual Indicator/Display | LED indicator light, Speaker |
| Decode Capability 1D | Codabar, Code11, Code39, Code32, Interleaved 2 of 5,Industrial 2 of 5,Matrix 2 of 5, Code93, Code128, GS1-128,UPC-A,UPC-E,EAN 8,EAN 13, GS1 DataBar （RSS14, GS1 DataBar Limited, GS1 DataBar Expanded and more |
| Decode Capability 2D | PDF417, Micro PDF417, QR Code, Micro QR, Data Matrix, Aztec Code |
| **Electrical** | |
| Voltage | 5V DC +/- 10% |
| Power consumption | 280mA Max |
| Static Current | 130mA |
| Electrical Safety | IEC61000 |
| EMI/RFI | EN 55032:2015 / EN 55035:2017 |
| **Environmental** | |
| Operating Temperature | -10°C to 50°C (14°F to 122°F) |
| Operating Humidity | 5% to 90% relative humidity, non-condensing |
| Storage Temperature | -20°C to 60°C (-4°F to 140°F) |
| Storage Humidity | 5% to 90% relative humidity, non-condensing |
| Light Levels | Fluorescent Light : 5000 Lux max,<br>Direct Sun Light: 100,000 Lux max |
| **Packaging** | |
| In the Box | Scanner, receiver base, manual |
| Carton Size | 195mm x 115mm x 85mm |
| Gross Weight(kg) | 0.50Kg. |
| Warranty | 1 Year |