

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
- Hands-free operation with included base
- 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

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, 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

