KOAMTAC

KDC270
Bluetooth Barcode Data Collector

Rugged ➤ Powered ➤ Designed ➤ Connected ➤ Equipped ➤

This miniature bluetooth barcode scanner is the culmination of decades of engineering and human-centered design experience focused on maximizing efficiency and minimizing costs of auto-identification in any industry.

Rugged
The KDC270 is IP65-rated and has a 5’ drop spec. This means the device is dust tight and water resistant; it’s ideal for any environment.

Powered
Advanced power management puts the scanner in “hibernation mode” when not actively in use, allowing the battery to outlast an average work shift. When power does run out, charging is easy with a Micro USB connector or charging cradle.

Designed
Like its predecessors, the KDC270 is small enough to fit in your pocket and light enough to wear on a lanyard around your neck for a full day without strain. The 1” OLED display and 3-button design make interacting with your device easier than ever; no need to decode flashing colored lights to determine if your data was collected – you can view it right on the screen!

Connected
Diverse Bluetooth® profiles such as HID, SPP, and MFI, as well as reconnection methods, allow seamless connectivity with any device.

Equipped
Coming in 1D Laser, 1D CCD, and 2D CMOS models the KDC270 is able to read all major symbologies. 8 MB of on-board memory stores over 400,000 UPC product barcodes and 60,000 product database records and allows basic applications to run right on the device.

KTSync® software with keyboard wedging, application generation, database look up, inventory management, and KDC configuration features is included for Android, iOS, and Windows devices. Free SDK and technical support from top engineers and the development team ensure ease of data collection in any situation.
## Hardware Specifications

### Physical Characteristics
- Size: 1.57” x 3.23” x 0.71” (40 mm x 82 mm x 18 mm)
- Weight: 2.03 oz (57.5g)

### Electrical Characteristics
- Battery: Li-Polymer (3.7V DC, 650mAh)
- Charging: via Micro USB connector, Charging Cradle
- Typical Operating Current: 120mAh@3.3V (1D) 200mAh@3.3V (2D)

### User Environment
- Ingress Protection Rating: IP65
- Drop Spec: 5 feet (1.5m)
- Operating: -4°F (-20°C) ~ 122°F (50°C)
- Storage: -4°F (-20°C) ~ 140°F (60°C)
- Humidity: 5% ~ 95% (noncondensing)

## Performance

### Functionality
- Memory Flash ROM: 256KB Program, 8MB User Data
- Memory RAM: 64KB

### Wedging & Synchronization
- Store to a file or transfer to an application
- Keyboard wedge function
- Add-on prefixes and suffixes
- Barcode option selection

### Application Generation
- SDK for PC and smartphone application
- Application generation tool
- Database lookup and Inventory Management features

### OS Support
- Android, iOS, Mac OS X, Tizen, Windows

### Regulatory Conformance
- Laser Safety: IEC60825/CDRH Class II
- LED Safety: IEC62471:2006
- Electrical Safety: UL 60950-1; EN/IEC 60950-1; EN/IEC 60825-1
- EMI/RFI: CE, FCC, KC, TELEC
- Environmental: RoHS Compliant

### Scan Range (20mil Code39)
- Laser: 1.97 - 16.54 in (50 - 420 mm)
- CCD: 2.36 - 18.11 in (60 - 460 mm)
- CMOS: 2.36 - 18.35 in (60 - 466 mm)

## Laser Symbologies

## CCD Symbologies
- Barcode (Postal Codes): Chinese Post, Korean Postal Authority Code

## CMOS Symbologies
- Barcode (2D): Aztec Code, Aztec Runes, Chinese Sensible Code, Codablock F, Composite Codes, Data Matrix (ECC200), Passport MRZ (OCR-B), Maxi Code (mode 2–5), MicroPDF417, Micro QR Code, PDF417, QR Code
- Barcode (Postal Codes): Chinese Post, Intelligent Mail Barcode, Korean Postal Authority Code, POSTNET

## KDC270 — Package Contents
- 1 x KDC270 Barcode Scanner
- 1 x KDC Lanyard
- 1 x KDC Micro USB cable

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KOAMTAC®
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