



## SM425

### 1D - 2D Wireless Barcode Scanner

The new SM425 1D-2D barcode scanner, wireless and equipped with Bluetooth®, features the most modern design together with a rugged casing and it supports IP42 sealing protection, which is particularly suitable for retail, logistic and warehouse markets. SM425 is equipped with useful functions that makes customer's operations easier and allows to save space. Equipped with excellent performance in reading most 1D barcodes and 2D, it facilitates the use of data and increases productivity. It supports barcode scanning with up to 250 mm reading depth for the majority of 1D, 2D barcodes and GS1 DataBar™ codes. The SM425 scanner can be used both in manual mode (button) and in automatic mode, using the supplied cradle.



## CHARACTERISTICS

1. **Excellent reading performance** in low light environments and on labels and smartphones
  2. **Drop resistant** from 150 cm
  3. Fully configurable with **ScannerSet software**
  4. **IP42 protection** from water and dust
  5. Wireless Bluetooth® barcode reader **with charging cradle included**
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- **Excellent Reading Performance** for 1D, 2D and GS1 Databar codes, e.g. of QR code with 30% damage or when one finder pattern is missing
  - **Support automatic sense reading** and is able to read under 0 Lux dark environment
  - **Support multiple interface options**, USB HID and Virtual COM
  - With intelligent activation, it automatically switches over to automatic-sense reading while placed on the cradle
  - **Facilitates both contact and air 16KV Electrostatic discharge**
  - **Connectable to Android™ tablets or smartphones** wireless or with optional cable
  - When the scanner is connected to Android™ and iOS O.S., **it's possible to activate/deactivate the virtual keyboard with Scan button**

## MARKETS

- Retail
  - Warehousing
  - Pharmacies
  - Self-Checkout
  - Hospitality
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## TECHNICAL SHEET

### SM425

#### PHYSICAL

Scanner weight	Approx. 160 g
Cradle weight	Approx. 170 g
Dimension	Scanner: 73,5 mm W x 173 mm D x 76,2 mm H Cradle: 103,6 mm W x 135 mm D x 83,6 mm H

#### PERFORMANCE

Light source	White light LED
Sensor	1280 (H) x 800 (V) pixels
Field of view	Horizontal - 55°, Vertical - 35°
Scan rate	60 fps (at full resolution)
Reading distance	250mm@20mil/0.5mm, PCS90%
Print contrast ratio (min.)	PCS25%
Resolution	3mil/0.076mm@PCS90% Code39, 5mil/0.127mm@PDF417
Reading angle Pitch angle Skew tolerance	Test Conditions: Code 39, 10mil/0.25mm, PCS90% 5°~60° (±5°) 5°~60° (±5°)
Ambient light	100,000 Lux Max.
Sealing	IP42 water and dust protection

#### ENVIRONMENTAL

Scanner voltage battery	Li-Ion 3.7V/2600mA
Scanner recharge time	Approx. 5 hours
Scanner reads per charge	20,000 times in continuous read
Cradle voltage	DC 5V
Power consumption Power On Stand By Operation	95mA 55mA 70mA
LED indicator	Good read: Green Bluetooth® Communication: Blue

#### RADIO

Bluetooth module	Bluetooth® V2.1 EDR
Frequency band	2.402GHz~2.480GHz
Transmission range	Up to 80M(262.47FT.) line of sight
RF output power	Class 1 (under 20dBm)

#### RELIABILITY

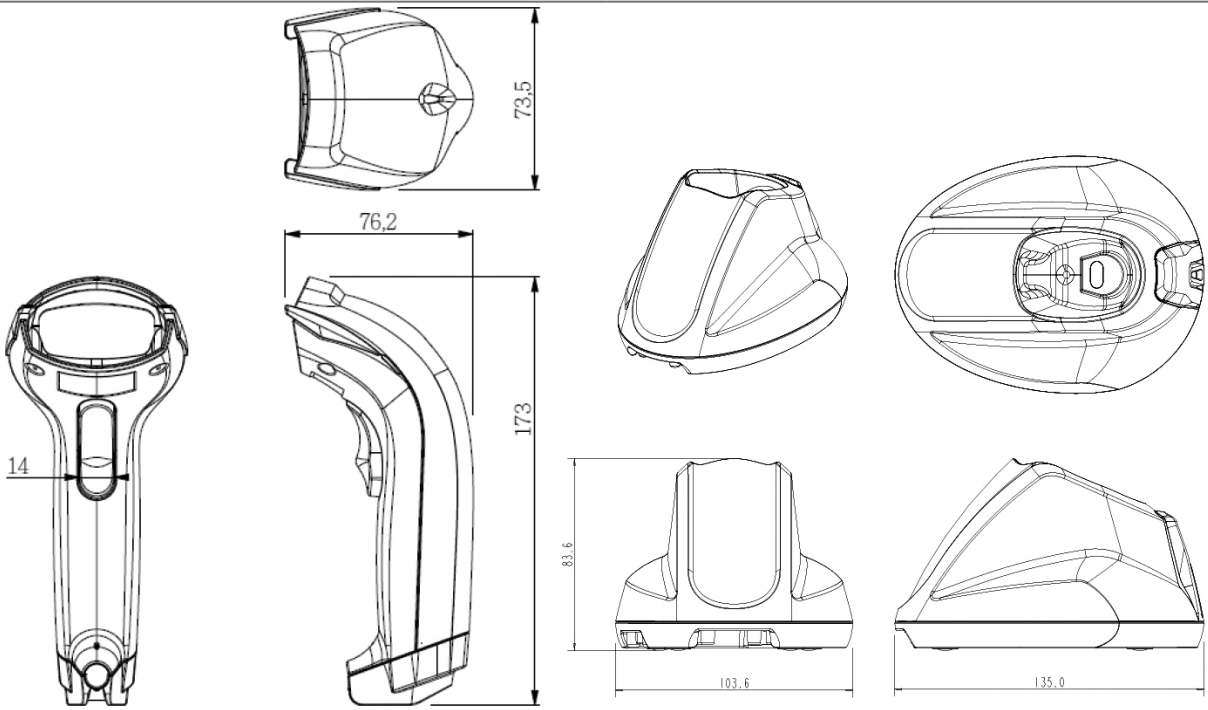
MTBF	40,000 hours minimum
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SM425

Cable bending test	30 times/min@500g/90°
Drop resistance	150 cm (59.05 inches)

BARCODE SUPPORTATI

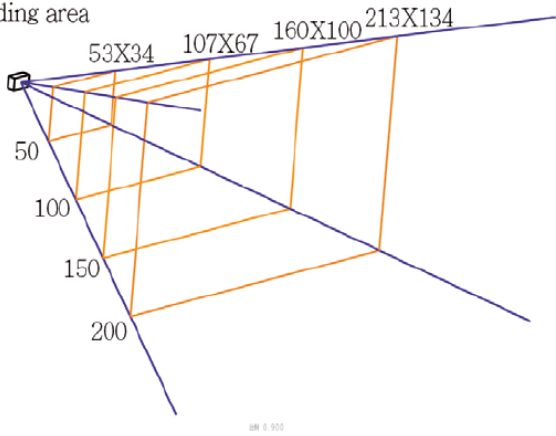
1D SYMBOLOGIES	UPC-A, UPC-E, EAN-8/JAN-8, EAN-13/JAN-13, Code 39, Code 128, Interleaved 25, Industrial 25, Matrix 25, Codabar/NW7, Code 93, China Post, MSI/Plessey, Telepen, GS1 Databar Omni-directional, GS1 Databar Limited, GS1 Databar Expanded
2D SYMBOLOGIES	Data Matrix, PDF 417, QR Code, Micro PDF 417, Micro QR Code, Aztec, Dotcode, Maxi Code, Han Xin Code



READING RANGE

Barcode mil/Depth of field mm

Reading area



3mil Code39	30~70 mm
4mil Code39	20~80 mm
5mil Code39	20~100 mm
6mil Code39	20~120 mm
10mil Code39	20~170 mm
13mil Code39	20~200 mm
20mil Code39	20~250 mm
20mil QR Code	30~180 mm
20mil PDF417	30~110 mm
20mil Data Matrix	30~180 mm

Note: the test is under ambient light 700 ~ 800 Lux.

MODELS



## **995ED030200A33**

SM425 SCANMATIC BARCODE  
SCANNER 2D WIRELESS

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The technical data on this website are not binding and may be changed without advanced notice.

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