# MS920 Advanced 2D pocket imager

2D barcode scanning is getting more and more prevalent within the current growing mobile workforce in retail, field service and healthcare market, as they can contain more information than current 1D barcodes.

Consumer grade smartphones and tablets are getting more integrated within the mobile enterprise but they can't meet the productivity and ergonomic requirements for enterprise barcode scanning. Therefore Unitech introduces its MS920 2D pocket imager. The result is a new level of enterprise data collection and the ability to streamline error proof and simplify more business processes.

# The MS920 2D imager offers the mobile enterprise all capabilities for optimal 2D scanning.

- Access control and ticket service Governmental and Retail
- Medication inventory Pharmacy and medical store branches
- Account management Field service
- Proof of delivery, courier services Logistics

#### Precision at the highest level

The MS920 pocket 2D imager is Unitech's newest generation of wireless 2D barcode scanners in a pocket-size enclosure. Featured with a high performance engine and decoder this device offers the mobile enterprise scanning and transmitting 1D or 2D barcodes at the fullest. Its aggressive performance enables the capture of damaged, coloured, overlaid and poor quality barcodes. A perfect fit for a wide range of applications.

#### Mobility, productivity and reliability

The MS920 is easy to pair with various mobile devices supporting Windows, Android and Apple. With the ability to scan up to 100 meters from the mobile device the MS920 provides the greatest flexibility and productivity for mobile users to move without restrictions for real-time data connection. Equipped with a high capacity and rechargeable Li-lon battery, this device offers users the needed scanning performance during a full day's work on a single charge.

#### **Convenience and safety**

This easy to use pocket scanner requires no training to operate. Its one-button interface makes scanning really easy for any user. With imensions of 109 mm length, 51 mm width and 28 mm thickness the MS920 is compact in size, making this device a great companion to carry around. Equipped with a red LED aimer the MS920 also fits the needs of customer-facing applications where lasers are often prohibited like healthcare (hospitals, pharmacies) and the crowded surroundings (kiosks, access control event points).

#### Features:

- High performance 2D engine and decoder Reads damaged, coloured, overlaid and poor quality barcodes
- Compact pocket size and easy to use Small, lightweight and stylish one-button design
- Easy to deploy with mobile applications
- Windows, Android and Apple compatible
  Flexibility and reliability

unitech

<sup>100</sup>m wireless range from host and buffer mode while out-of-range



### Operational & Performance

Technology	Image Sensor, 752 x 480 pixels
Light Source	llumination:
	Highly visible white LED
	Aiming :
	617 nm red LED
Max. resolution	1D codes 0.1 mm (4 mils)
	2D codes 0.167 mm (6.6 mils)
Skew Angle	±58 degrees
Pitch Angle Sensor	±86 degrees
Print Contrast	30%
Motion Tolerance	4 inches per second

#### Reading distance (DOF)

Label/DOF	near	far
Code 39, 4mil	60mm	180mm
Code 39, 5mil	45mm	225mm
Code 39, 20mil	60mm	640mm
Code 39, 40mil	125mm	975mm

Label/DOF	near	far
EAN/UPC, 13mils	45mm	410mm

Label/DOF	near	far
DataMatrix, 7mils	65mm	150mm
DataMatrix, 10mils	45mm	210mm
DataMatrix, 15mils	47mm	310mm

Label/DOF	near	far
PDF417, 6.6 mils	50mm	182mm
PDF417, 10 mils	37mm	275mm
PDF417, 15 mils	45mm	400mm

\* = dependents on width of barcode

#### **Symbologies**

**Unitech Europe** 

Tilburg, The Netherlands • Tel.: +31 (0)13 460 9292

**Decode Capability** 

**1D:** EAN/UPC, GS1 Databar (limited expanded & omni-direc tional), Code 39, Code 128, UCC/EAN 128, ISBN, ISBT, Interleaved / Matrix / Industrial and Standard 2 of 5, Codabar, Code 93/93i, Code 11, MSI, Plessey, Telepen.

2D: Data Matrix, PDF417, Micro PDF 417, Codablock, Maxicode, QR, Aztec. Postal: Australian Post, BPO, Canada Post, Dutch Post, Japan Post, PostNet, Sweden Post.

#### **Power Source**

Operating voltage Current consumption Battery type Battery capacity Battery life Battery charging time

DC 3V to 5V Operating mode <76.8mA Rechargeable Lithium-ion 1100mAh 13 hours 4 hours

# Data Formatting

Prefix, Suffix, Code ID

#### **Operation modes**

Trigger Mode, Flash Mode, Continuous Mode, Buffer mode

#### Connectivity

Radio Frequency Bluetooth

Protocol Host Interface

Unlicensed 2.4GHz Class 1 up to 100 meters line of sight coverage SPP & HID over Bluetooth USB (micro USB cable)

#### **Compatability**

Compatable with Windows, Android and iOS mobile devices

105.2g

10 million time

0°C to 50°C

#### - Enclosure

Scanner dimension Scanner weight Switch life

#### - Environmental

Operating temperature Storage temperature Humidity ESD protection

Drop Test IP rate

## **Accessories** USB cable Handstrap

Warranty



-30°C to 70°C 95% (non-condensing) Functional after 8K contact and 12 K air 1.5 m (scanner only)

L109 mm x W51 mm x H28 mm

IP42



USB cable



**Battery Pack** 

1 Year

**Regulatory approvals** CE, FCC, BSMI, VCCI



• Email: Info@eu.ute.com Website: http://www.eu.ute.com Unitech America Unitech Asia Pacific Unitech China Unitech Japan Unitech Taiwan Unitech Europe

Specifications subject to change without notice. Copyright 2011 Unitech Electronics Co., Ltd. All rights reserved. Unitech is a registered trademark of Unitech Electronics Co., Ltd. All product and company names are trademarks, service marks, or registered trademarks of their respective owners.