MS920 (Bluetooth | 32MB Memory)
Advanced 2D pocket imager

2D barcode scanning is getting more and more prevalent within the current growing mobile workforce in retail, field service and health-care 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 wire-less 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-Ion 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 (32MB of internal memory)
  100m wireless range from host and buffer mode while out-of-range

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MS920 2D pocket scanner
Bluetooth | 32MB Memory

v2 MS920
Specifications

Operational & Performance

Technology	Image Sensor, 752 x 480 pixels
Light Source	Ilumination:
	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
Storage memory size	32MB of internal memory

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
Decode Capability

1D: EAN/UPC, GS1 Databar (limited expanded & omni-directional), 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	DC 3V to 5V
Current consumption	Operating mode <76.8mA
Battery type	Rechargeable Lithium-ion
Battery capacity	1100mAh
Battery life	13 hours
Battery charging time	4 hours

Data Formatting
Prefix, Suffix, Code ID

Operation modes
Trigger Mode, Flash Mode, Continuous Mode, Buffer mode

Connectivity

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

Compatability
Compatable with Windows, Android and iOS mobile devices

Enclosure

Scanner dimension	L109 mm x W51 mm x H28 mm
Scanner weight	105.2g
Switch life	10 million time

Environmental

Operating temperature	0˚C to 50˚C
Storage temperature	-30˚C to 70˚C
Humidity	95% (non-condensing)
ESD protection	Functional after 8K contact and 12 K air
Drop Test	1.5 m (scanner only)
IP rate	IP42

Accessories
USB cable
Handstrap
Battery Pack

Battery Pack   USB cable   Handstrap

Warranty
1 Year

Regulatory approvals
CE, FCC, BSMI, VCCI

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