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MS337H

Rugged Healthcare Scanner

The Unitech MS337H is a rugged handheld scanner designed specifically for healthcare. This CMOS 2D imager scanner is constructed with an antimicrobial enclosure to provide healthcare professionals with a barcode scanning solution ideally suited for use at the point of care.

Increase Accuracy and Efficiency
The MS337H increases accuracy and efficiency by reducing the likelihood of human errors from manual entry. Featuring true omni-directional 2D area scanning technology with a high-resolution image sensor and wide-angle lens, the MS337H allows for accurate reading of damaged or curved barcodes - perfect for scanning patient identification bracelets and medication labels. This scanning technology reduces the paperwork burden, enabling healthcare professionals more time interacting with patients and providing higher-quality care.

Focused on Patient Safety
The MS337H is constructed with a durable antimicrobial housing. Capable of withstanding multiple 5-foot drops to concrete, the MS337H is rugged enough for any healthcare application. While standard clinical procedures require cleaning and disinfection for any devices used at the point of care, the MS337H's antimicrobial housing provides an added safeguard against the proliferation and spread of germs.

Easy Integration
Infrastructures are complex, difficult to maintain and expensive. It is important to invest in a barcode solution that is easily integrated into existing systems and user workflows. The MS337H offers unparalleled flexibility for customization and easy configuration with its PC-based software. Unitech also provides easy firmware upgrades and comprehensive support and service packages.

Versatile Technology
The MS337H features aggressive decoding capability for the most comprehensive set of barcode symbologies. This versatile scanner is ideal for hands-free applications, allowing healthcare professionals the opportunity to focus less on scanning and more on providing patients with quality care. Well suited for indoor or outdoor applications, the MS337H has the ability to scan in direct sunlight or total darkness. The MS337H is the ideal healthcare barcode scanning solution for patient safety, clinical care delivery and patient tracking

Features
• Antimicrobial housing
• 5-foot drop threshold
• 1.2MP CMOS image sensor
• 1D, 2D and OCR (optional)
• Supports USB interface
• Supports 3 – 5.5 VDC power input
• Image transfer (beta software available)
• FirstFlash™ with integrated illuminationSwiftDecoder™

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► Operational

Image sensor	CMOS, 1.23 mega pixel
Decode Capability	All standard 1D and 2D symbologies
Illumination	650 nm LED
Aiming	615 nm LED

► Mechanical

Dimensions	100 mm (L) x 70 mm (W) x 180 mm (H)
Weight	200 g w/o cable, 300 g with cble

► Environmental

Operating Temperature	0 ℃ ~ 40 ℃ (32 ℉ ~ 104 ℉)
Storage Temperature	-20℃ ~ 70 ℃ (-4 ℉ ~ 158 ℉)
Humidity	0% - 95% relative humidity, non-condensing
Light Levels	0 - 100,000 lux (total darkness - direct sunlight)
Shock	7 G over 10 - 500 Hz
Drop	Designed to whistand repeated 1.5 m (5') drops to concrete floors when mounted inside a scanner case.

## ► Scan Performance

Depth of Field	25 mm – 310 mm, (1 - 12.2") for 100% UPC
Width of Scan Field	118 mm (w) x 86 mm (h) (4.7" w x 3.5" h) @ 127mm (5"); 237 mm (w) x 172 mm (h) (9.3" w x 6.8" h) @ 254 mm (10") from engine face
Minimum Element	Width, 1D 0.102 mm (4 mil) Width, 2D 0.191 mm (7.5 mil), Data Matrix
Resolution	1280 x 960 pixels
Print Contrast	20% minimum reflectance difference
Scan Pattern	Area
Focal Point	100 mm (3.94") from the imager face
View Angles	50° (horizontal), 37.5° (vertical)

► Scan Ranges
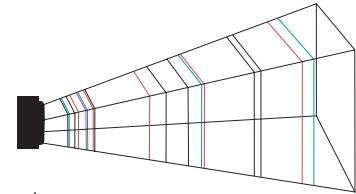
Bar Code Minimum Element

0.127 mm (5 mil) 1D
0.254 mm (10 mil) 1D
0.330 mm (13 mil) 1D
0.127 mm (5 mil) PDF
0.254 mm (10 mil) PDF
0.254 mm (10 mil) DataMatrix
0.381 mm (15 mil) DataMatrix
0.508 mm (20 mil) DataMatrix
OCR-B (size 1; MRZ)

(mm) 0   50   100 150 200 250 300 350
(0") (2") (4") (6") (8") (10") (12") (14")
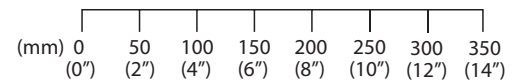
Note: The MS337H's antimicrobial housing can be disinfected with cleaning agents made of less than 75% alcohol. The use of bleach will weaken the strength of the unit and is not recommended.

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