

THE PATHWAY TO EFFICIENCY IN HEALTHCARE

Barcode Decoding Solutions for Medical Applications



Honeywell

DECODING SOLUTIONS TO ENSURE PATIENT SAFETY

Reduce medical errors and connect patients to the right care to increase comfort and prioritize safety in every medical application with a single scan.

From patient admissions to bedside point of care to discharge, every department in a healthcare facility requires a unique medical barcode-based identification system to deliver safe and effective patient care.

Barcodes can reduce medication errors by as much as 40%, according to the New England Journal of Medicine.¹ Barcode technology in the medical field also improves privacy protection, makes it easy to access patient and supply records and enables more accurate record-keeping.

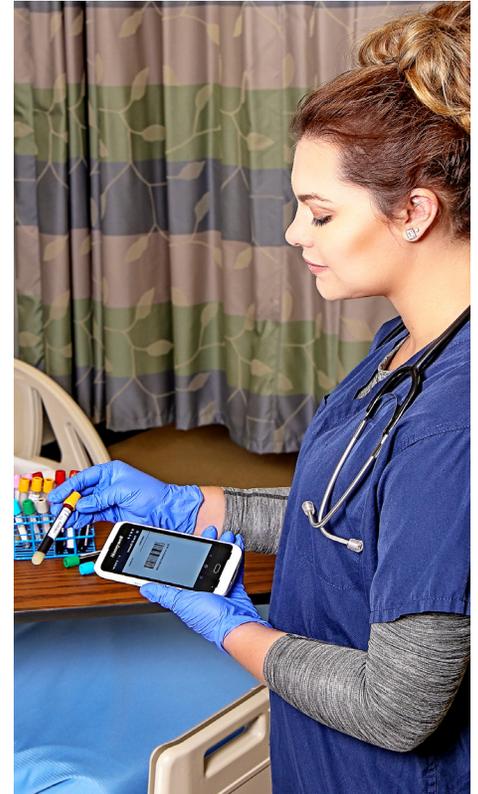
Reduce errors in medical processes with Honeywell high-performance products that identify patients and capture their data, administer medications and manage pharmacy records, collect and track specimens, and track and trace health center stock. Honeywell barcode decoding solutions eliminate wasted time, increase productivity, improve accuracy, and, most importantly, enhance patient safety in almost every medical application.

OEM SCAN ENGINES AND IMAGER MODULES

- **Lower integration cost:** Designed for easy integration, with faster time to market with expert integration engineering support, tools and documentation
- **Superior barcode reading:** 40 years domain expertise in decoding barcodes, delivering fast, accurate scanning with over 100 symbologies supported.
- **Broad portfolio flexibility:** Supports barcode scanning needs in all major industries and applications
- **Innovative:** Supports OCR, DPM, data parsing and third-party image vision software
- **Quality:** Reads damaged and low contrast barcodes and avoids the exception process

SWIFTDECODER™ BARCODE DECODING SOFTWARE

- **Compatibility:** SDK supports multiple operating systems including Android, iOS, Linux and Windows
- **Reliability:** Scans millions of codes every day, used by the world's largest companies
- **Wide-range hardware support:** Mobile phones, tablets, PCs, payment terminals, industrial cameras, purpose-built devices



VALUE TO THE END CUSTOMER

- **Improved task efficiency** by five seconds per transaction, automating workflows so you can spend more time with patients
- **Improved patient safety** by providing real-time access to patient data such as medications and medical history
- **Immediate access to data** and automated input on mobile devices reduces human error and increases productivity
- **Adherence to compliance mandates** including inventory management and secure chain of custody tracking

¹ <https://pubmed.ncbi.nlm.nih.gov/20445181/>



SCAN ENGINES, IMAGER MODULES AND SWIFTDECODER SDK USED IN PATIENT SAFETY APPLICATIONS

APPLICATION	Vuquest 3330g OEM Fixed-Mount 2D Area Imager	CM Series Compact 2D Imager Modules	N5600 Series 2D Scan Engines*	N660X Series 2D Scan Engines and Mini DB Decoder Boards	N670X Series 2D Scan Engines and Gen7 DB Decoder Boards	SwiftDecoder™ SDK
						
Patient identification	✓	✓	✓	✓	✓	—
Point of care	✓	✓	✓	✓	✓	—
Laboratory management	✓	✓	✓	✓	✓	✓
Pharmacy management	✓	✓	✓	✓	✓	—
Patient Check-in/ Admissions	✓	✓	—	—	—	✓
	<ul style="list-style-type: none"> Superior 1D and 2D barcode reading performance, whether on paper or mobile phone screens Honeywell TotalFreedom™ software plug-ins enable OCR capture and reading Compact size Multiple interfaces Ease of mounting Laser-free aiming is ideal for customer-facing environments 	<ul style="list-style-type: none"> All-in-one design, compact size Slider bracket holds customer-supplied micro-USB cable securely in place Ten mounting holes High performance read of a wide variety of healthcare symbologies: Aztec Code, DataMatrix, QR code, PDF417, etc. Four optics options, including wide angle Industrial-grade technology modules to withstand both extreme hot and cold temperatures Motion tolerance provides snappy scanning IP54 ingress protection rating 	<ul style="list-style-type: none"> High visibility laser or LED aiming option ensures crisp and accurate targeting Supports TotalFreedom™, an open-system architecture for developing software plug-ins to implement features such as Honeywell EasyDL™ Wide angle optic Adaptus 6.0 Imaging Technology provides fast and accurate reading of barcodes and OCR fonts with best-in-class range and extraordinary motion tolerance on paper and mobile phone screens 	<ul style="list-style-type: none"> Slim height of 6,8 mm [0.27 in] Optimized white illumination Choice of better visible LED or laser aimers Delivers improved scan speed, motion tolerance up to 5 m/s, enhanced reading capability for poorly printed barcodes Support for color barcodes and full symbology Provides faster and more accurate reading of barcodes and OCR fonts with enhanced motion tolerance, even on hard-to-read codes as well as those displayed on mobile phone screens 	<ul style="list-style-type: none"> Slim height of 6,8 mm [0.27 in] SR (Standard Range) and HD (High Density) optics Delivers motion tolerance of up to 6 m/s Lower power consumption Compatible with Honeywell N670X Series and N360X Series for reduced integration time and increased design flexibility Choice of high brightness LED and laser aiming systems Gen7 DB provides faster processing speed than predecessor MINI DB Supports Honeywell optional functionalities such as OCR, Easy Parse 	<ul style="list-style-type: none"> “M” version for mobile platforms, including Apple® iOS®, Android™ and Windows™ UWP (Universal Windows Platform), and “S” version for non-mobile platforms, including Windows™ Desktop, Linux Foundation™ and Embedded OS Utilizes same technology that Honeywell deploys in retail and industrial barcode scanners worldwide Provides snappy and faster performance

* Used in conjunction with VAR (volt-ampere reactive) custom device.

BARCODE SOLUTIONS FOR EVERY MEDICAL APPLICATION



POINT OF CARE

Hospital clinicians and nurses are under constant pressure to collect complete and accurate patient information while keeping it secure. Point of Care barcode scanning devices come in many different forms; however, these solutions begin with a proven core technology that Honeywell offers in their hardware and software decoding products. Linking Honeywell technologies with virtually any OEM device can improve clinician productivity and enhance patient safety.

Applications:

- Patient verification, bedside scanning
- Medication/drug administration
- Specimen collection
- Vitals capture
- Medical device data capture
- Alarm management
- Electronic medical record data
- Care team communication
- Blood transfusion
- Records management
- Therapy
- Discharge

LABORATORY MANAGEMENT

In-vitro diagnostics (IVD) testing is essential in early detection, diagnostics and treatment of countless medical conditions. Automating testing processes and tracking samples using barcode decoding technologies can play a significant role in patient care. Barcoded IVD test kits ensure the correct consumables are loaded for every lab test, items have not expired and the correct analyzer settings are being used. Honeywell hardware and software barcode decoding solutions automate reagent identification and laboratory device calibration reducing lab technician labor and human error.

Applications:

- Specimen tracking
- Records management
- Chain of custody tracking (specimen and device)
- Shipping and receiving
- Diagnostics testing

POSITIVE PATIENT IDENTIFICATION

Positive patient identification begins at registration during the admissions process and continues until patient discharge. Patient wristbands provide the positive identification hospitals need for maximum patient safety while raising the bar for performance in these critical environments. Honeywell-enabled decoding hardware and software helps to prevent mistakes and reduce medical errors caused by patient identity mismanagement.

Applications:

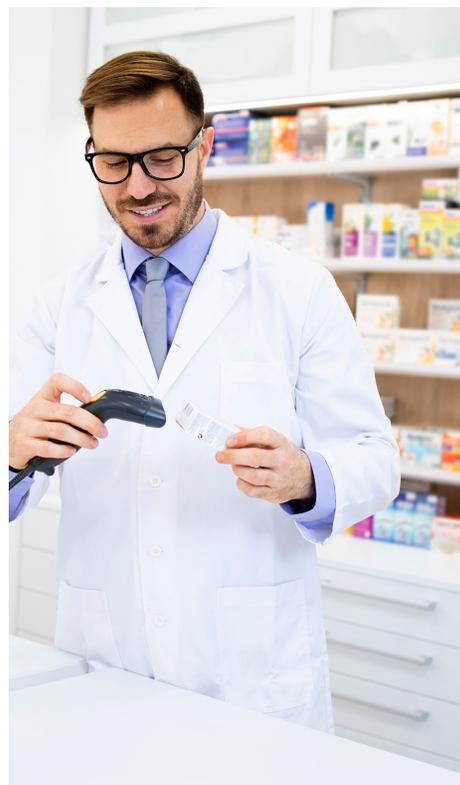
- Patient admission identification
- Contactless patient check-in
- Proof of insurance data capture ID data capture/driver's license
- Records management

PHARMACY MANAGEMENT

Medication administration can be time consuming and present opportunities for error. Nurses can easily match patients with their medications with just a scan of the patient's wristband. Honeywell's hardware and software barcode decoding solutions streamline processes to save time and cost by eliminating the need for additional paperwork. In addition, hospital systems can increase accountability by linking caregivers to patient treatment automatically.

Applications:

- Medication management
- Dispensing and compliance
- Records management
- Inventory management
- Surgery kit/supplies tracking
- Shipping and receiving
- ID verification for pharmaceuticals and equipment



WARRANTY/REMEDY

Honeywell warrants goods of its manufacture as being free of defective materials and faulty workmanship during the applicable warranty period. Honeywell's standard product warranty applies unless agreed to otherwise by Honeywell in writing; please refer to your order acknowledgement or consult your local sales office for specific warranty details. If warranted goods are returned to Honeywell during the period of coverage, Honeywell will repair or replace, at its option, without charge those items that Honeywell, in its sole discretion, finds defective. **The foregoing is buyer's sole remedy and is in lieu of all other warranties, expressed or implied, including those of merchantability and fitness for a particular purpose. In no event shall Honeywell be liable for consequential, special or indirect damages.**

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007637-1-EN | 1 | 11/21

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