

ENHANCING & IMPROVING HEALTHCARE

Solution Brief

The SwiftDecoder™ SDK (Software Development Kits) facilitates efficiency and accuracy in healthcare and helps improve patient care, safety, and operations.

Honeywell's SwiftDecoder SDK Software Development Kits enhances the user experience across various healthcare applications. By implementing SwiftDecoder SDK on mobile devices, healthcare professionals are empowered with the ability to capture data efficiently and accurately, swiftly scan and decode barcodes, and manage data that significantly contributes to improving patient care, safety, and operational efficiency.

HEALTHCARE APPLICATIONS

- **Patient identification.** Scanning ID cards and wristbands reduces the risk of patient misidentification, ensures accurate matching of patients with their medical records, and improves patient safety by reducing medication errors and other treatment mix-ups.
- **Medication management.** Scanning barcodes on medication labels, verifies the right medication, dosage, and patient before administration. This helps reduce errors, enhances patient safety, and streamlines dispensing of medication.
- **Laboratory and specimen tracking,** reading barcodes on lab samples, improves accuracy in tracking, reduces risk of misidentification and enhances the efficiency of lab workflows.
- **Medical equipment management.** Scanning all barcodes on medical equipment (QR, TEXT, DPM – Direct Print Marking), facilitates tracking and maintenance scheduling for equipment, ensures availability and functionality of critical devices, and reduces risk of using outdated or malfunctioning equipment.
- **Inventory control.** Reading barcodes and DPM on medical supplies, and operating room instruments, optimizes inventory by tracking usage and restocking. This reduces the likelihood of stock-outs or excess inventory, ultimately enhancing cost efficiencies, and minimizing waste.
- **Patient admission and discharges.** Scanning admission and discharge forms, expedites the process, reduces paperwork errors and data accuracy, and improves the overall patient experience.
- **Supply chain management.** Scanning barcodes on pharmaceuticals and medical supplies ensures complete traceability throughout the supply chain, mitigates the risk of introducing counterfeit drugs, aids in identifying product recalls, and enhances the management of expiration dates
- **Blood and tissue tracking.** Reading barcodes on blood bags and tissue samples, tracks the collection, processing and distribution of blood products. This ensures traceability and helps maintain the quality and safety of blood transfusions and organ transplants.
- **Operation/procedure equipment.** Accurately selecting the appropriate item on the first attempt accelerates the preparation of procedure rooms for use, minimizes the expense of discarded products, and avoids the need for re-sterilizing items mistakenly chosen and not utilized.
- **Vaccine management.** Scanning barcodes on vaccine vials and their packaging plays a crucial role in monitoring vaccine administration, keeping track of expiration dates, and overseeing the distribution of vaccines to ensure efficient delivery.
- **Home care.** Scanning barcodes in a home healthcare setting enables the same level of medication management, patient identification, and inventory control as in a medical facility. It also ensures adherence to remote care plans, monitors medical devices, and tracks attendance effectively.

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OPTIMIZATION AND INTEGRATION

SwiftDecoder's optimized algorithms, high-speed, and flexible decoding capabilities ensure efficient barcode recognition. Integration is easy, allowing developers to incorporate barcode scanning, OCR and AR functionalities, thereby facilitating a smooth implementation process.

With 50 years of scanning innovation, Honeywell is a global leader in the industry. The SwiftDecoder SDK leverages Honeywell's extensive experience and expertise in barcode technology, that offers robust functionality and dedicated support along with regular updates. We work to keep our technology current and remain aware of evolving trends, standards, and customer requirements.

SUPPORT PLATFORMS

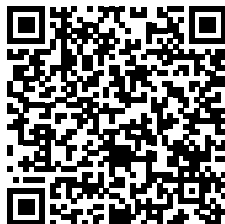
SwiftDecoder supports a wide range of camera-enabled devices including smartphones, tablets, PCs, payment terminals, drones, robotics, industrial and purpose-built devices. The SwiftDecoder solution is also compatible with major operating systems including iOS®, Android™, Windows® and Linux™, and wrappers like .NET MAUI®, Cordova™ and React Native™.

DOWNLOAD OUR DEMO APP

Turn your device into a powerful scanner today with our SwiftDecoder Demo App. You can test a wide range of scan modes that work across industries, including beyond barcode data and image capturing capabilities like optical character recognition (OCR), and ID scanning. Click the links below to download the demo app or search 'HONEYWELL BARCODE SCANNER' in your app store.

[Download from the Apple App Store:](#)

[Download from the Google Play Store:](#)



REGISTER FOR A FREE TRIAL

Get your project started with a 60-day SwiftDecoder free trial. Simply provide the information requested to complete the [Trial Software Agreement](#) and a Honeywell representative will get in touch to organize your trial license. You can also access our trial program from the SwiftDecoder Demo App.

For more information

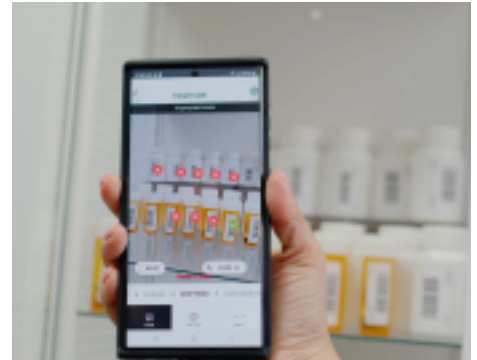
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