Healthcare Professional's Guide to Scanning and Mobility

Data Capture Solutions for Healthcare Applications

Honeywell

We need a partner that has experience delivering bar code scanning solutions to hospitals implementing patient safety initiatives.

We need a solution provider that has experience helping hospitals improve patient safety. We want a provider with a wide variety of innovative bar code scanners and mobile computers that incorporate the latest in wireless technology, and are built to withstand use in challenging healthcare environments. Finally, we need the support and expertise that will allow the implementation to go smoothly so we can stay focused on our number one priority—our patients. *That's why we choose Honeywell—a leader in healthcare.*

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What would help you ensure patient safety?

At Honeywell, our goal is not to simply provide you with products. It's to listen. To understand. To help you find solutions that are right for your healthcare facility and your patients. You can always count on our mobile computers, scanners, software and support services to help you improve care delivery to your patients.

Raising the bar on patient safety.

We understand the challenges and changing needs faced each and every day by those in healthcare. Given today's increasingly complex methods of care and the large variety of new medications, medication errors have been identified as one of the largest safety gaps in healthcare.

With this in mind, Honeywell can help you implement electronic medical record (EMR) through state-of-the-art, image-based data collection and communication solutions that are easy and intuitive for your frontline caregivers to use from the patient's bedside to the lab, helping to reduce medical errors in the process.

Let us help you enhance patient safety and operate more efficiently.

Point-of-Care

Make accuracy automatic at the point-of-care.

Hand-held scanners and Dolphin® mobile computers from Honeywell deliver a wide range of solutions that reduce errors, efficiently gather and upload data for broad access, and provide complete consumables tracking.

With Honeywell, healthcare professionals can implement electronic medication records (EMR) by utilizing bar code reading technology to monitor bedside administration of medications. EMR allows you to:

- Improve patient safety by preventing medication errors
- Reduce costs associated with lengthy hospital stays resulting from adverse drug events (ADE)
- Lower litigation costs that stem from preventable errors
- Increase confidence and improve communication among your staff

Protect patient safety with disinfectant-ready housings.

Honeywell is pleased to introduce disinfectant-ready housings designed specifically for healthcare environments. Disinfectant-ready housings allow healthcare professionals to execute the "5 rights" of patient safety—right patient, right drug, right time, right dose and right route—while minimizing the risk of spreading infectious diseases.

- Excellent at resisting the harmful effects of many popular cleaning agents, these products are built to withstand frequent exposure to any of our recommended cleaning solutions.
- Several Honeywell solutions including the Xenon™ 1900, the Xenon™ 1902, the Dolphin® 9900hc, and the Dolphin 9700hc are now available with disinfectant-ready housings.

Take the errors out of patient drug administration.

Utilizing bar code information, Honeywell solutions can help safeguard you and your staff against ADE and other potential errors.

- Meet computerized physician order entry (CPOE) standards for prescriber-error prevention by passing patient and drug information through preventative software
- Easily and accurately identify medication information, right down to the drug's unit dose level including the National Drug Code (NDC) number
- Read virtually any type of bar code—even if it's torn, wrinkled or damaged
- Update and process an EMR at bedside as tasks are performed, with Wireless Full Area Network (WFAN) capabilities
- Protect against "never events" and the resulting loss of Medicaid and insurance reimbursement for avoidable hospital complications and medical errors
- Maintain productivity amongst frontline caregivers with consistent performance and maximum reliability from Shift-PLUS™ battery life

When equipped with a Honeywell solution, nurses and other hospital workers scan:

- Patient wristbands—correctly identifies the patient and displays a task list of medications to administer. Omnidirectional scanning makes this task easier and often eliminates the need to disturb the patient
- Medications—if the drug is correct, the nurse gets instant confirmation
- ID badges—ensuring administration is authorized

Give your medical staff easy access to current vital signs information.

Automatically transmit vital signs information to your EMR, so staff has real-time access to essential information.

- Automatically populate data fields through devices that communicate with smart monitoring equipment
- Easily accommodate manual entry of data from other sources
- Track patient information and communicate with other staff in real-time, thanks to WFAN-enabled voice and data communication

Achieve greater accuracy in lab work.

Ensure the proper specimen is collected, the correct tests are performed, and the right results are delivered to the right patients as quickly as possible.

- Tell phlebotomists which specimen to collect with a simple scan of the patient's wristband
- Create a specimen label at the patient's bedside, guaranteeing correct identification and coding for the proper lab procedures
- Record specimen bar codes including those required for blood samples
- Log steps in testing
- Automatically upload information into the laboratory's system and EMR every step of the way, for real-time access throughout your facilities

"Speaking from first-hand experience, our 2D bar code-based system, coupled with the mobile technology, has helped staff administer care without changing their workflow process. Most importantly, our patients have responded well and feel that they are being cared for in an efficient and safe high-tech environment."

—Nancy Luttrell, CNS, Director Nursing Informatics
Our Lady of the Lakes Hospital

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Pharmacy
Benefit from improved pharmacy accuracy.

Let Honeywell help you find new productivity to reduce costs, enhance competitiveness, and ensure dispensing accuracy and patient safety in a rapidly changing pharmacy marketplace.

Honeywell scanners and document readers improve workflow by quickly and easily capturing data and images, prescriptions, signatures, IDs and more. This essential information can be instantly uploaded into your IT system for access anywhere.

Record data with ease.

Products designed specifically for pharmacy use, combined with advanced imaging technology, give you features that are more efficient for prescription processing.

- Capture digital images of documents such as prescriptions, eliminating paper-based workflow and simplifying information storage and retrieval

- Gain quick, easy access to essential information that's hard to find or available only by calling doctors or insurance companies

- Honeywell scanners are small enough to be used right at the counter and are faster and more durable than flatbed page scanners, keeping overall costs down and reducing the need to replace movable parts

Simplify HIPAA compliance.

Honeywell solutions make it simple to capture required patient signatures and allows for easy, cost effective storage.

- Capture signatures instantly

- Protect the privacy of each and every patient

- Eliminate confusion and the potential for loss of information with electronic storage capabilities

Verify identity with a simple scan.

With the ability to read and store complex two-dimensional bar codes, Honeywell scanners save healthcare workers time while maintaining compliance.

- Read bar codes commonly found on drivers' licenses for instant identity verification

- Stay in compliance with rapidly changing state laws and pseudoephedrine regulations

Gain solutions for bin and inventory management.

Honeywell offers advanced data collection and communication solutions to help you manage pharmacy supply chains and create further productivity gains and cost reductions.

- Scan and track medications

- Integrate easily into perpetual inventory management systems

- Track recalled or expired medication

Materials and Supply Chain Management
Reduce losses and cut costs with enhanced productivity.

Honeywell offers products to help healthcare institutions meet the unusually complex management challenges. Leveraging simple bar code identification, our solutions greatly simplify tracking and management of every kind of asset, from scalpels to wheelchairs to office furniture. We can also help you find new efficiency in reordering supplies.

Improve billing accuracy with comprehensive tracking of consumables.

With Honeywell, you are capable of complete documentation of consumable use to ensure accurate invoices and avoid disputes over bills with insurers or patients.

- Scan both the patient's wristband and the consumable's bar code as a product is used in patient care
- Obtain a time- and date-stamped record of every consumable used and automatically connect it to the correct patient's bill
- Make sure patients receive the correct meals by scanning the meal tickets and the patients' wristbands

Keep track of equipment and surgical instruments every step of the way.

Tagging all equipment and materials with bar codes allows you to utilize Honeywell solutions and perform up-to-date inventory management from order to use – and bring new safety to surgical procedures.

- Take a quick, easy inventory of bar-coded surgical instruments and materials before and after each procedure to ensure that nothing has been unintentionally left in the patient
- Avoid potential infections and resulting malpractice lawsuits by reading direct part mark (DPM) codes on sponges and other surgical instruments
- Track surgical instruments through the sterilization process
- Identify the proper parts of surgical instruments as they are used in the operating room (OR)
- Enable just-in-time (JIT) replenishment of inventory by tagging all materials and equipment with bar codes

Save money with a streamlined supply chain.

Honeywell solutions can help you effectively manage your receiving, delivery and inventory processes to control costs and maintain supplier relationships. An automated supply chain process can cut your purchasing and receiving costs in half and allow you to process inventory faster and easier.

- Capture and transmit data at any location associated with your supply chain using hand-held scanners
- Place information vital to maximizing supply chain effectiveness at your managers' fingertips at all times
- Benefit from timely and accurate, easy-to-access inventory information with paperless processing and bar code scanning

"You cannot manage what you cannot track. And in order for Providence to best manage our assets, we needed to be sure we were accurately and consistently tracking every package that moved through our facilities, as well as capturing signatures for verification."

—Dorcas Spencer, Supply Chain Application Director
Providence Health & Services

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Recommended Healthcare Products

Xenon™ 1900

Featuring a new decoding architecture and a custom sensor that is optimized for bar code scanning, Xenon 1900 excels at scanning the wide variety of bar codes found in healthcare environments, including high density linear and 2D bar codes.

The Xenon 1900 is optionally available with disinfectant-ready housing that resists the harmful effects of popular cleaning solutions.

Xenon™ 1902

The Xenon 1902 offers all of the same features as the Xenon 1900, plus the freedom of Bluetooth® wireless connectivity. Purpose-built for healthcare, the Xenon 1902 is ideal for cart-on-wheels applications. Other features include long-lasting battery technology which lasts for up to 50,000 reads before recharging is required.

The Xenon 1902 is available with disinfectant-ready housing that resists the harmful effects of popular cleaning solutions. For applications that require FIPS 140-2 certified encryption, the 4820 is still available.

Vuquest™ 4980

Lightweight, durable and portable, the Vuquest 4980 offers aggressive scanning of all 1D, PDF and 2D bar codes. The 4980 is small enough to be held in the palm or worn on the back of the hand. Its compact size also allows it be mounted anywhere, including in patient rooms.

Dolphin® 7600

Perfect for healthcare professionals that are constantly on the move, the Dolphin 7600 features a lightweight and ergonomic design that delivers comfortable, one-handed use. An integrated triple-radio design facilitates real-time data exchange and voice communications.

Dolphin 9700hc

Dolphin 9700hc is a ruggedized digital assistant that provides healthcare professionals with reliable and easy-to-use multi-modal communication and data collection. Shift-PLUS™ power management ensures continuous operation throughout an entire work shift, while an angled imager and well-placed scan keys minimize user fatigue.

The Dolphin 9700hc is shipped with disinfectant-ready housing that resists the harmful effects of popular cleaning solutions.

Dolphin 9900hc

Dolphin 9900hc is the first mobile computing solution available with disinfectant-ready housing. The 9900hc delivers a durable and rugged design with a flashlight form factor for maximum reliability and ease-of-use at patient bedside. Additional features include easy point and shoot reading of all bar codes and Shift-PLUS battery life for a full workday of use without the need for recharging.

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4800dr

With Adaptus® Imaging Technology, an integrated stand design and document tray platform, the 4800dr provides for simple and efficient paperless processing, storage and retrieval. Offering both versatile document imaging performance and bar code scanning functionality, this device is ideal for use in pharmacy applications.

Genesis® 7580

Genesis 7580 is the world's first presentation area-imaging scanner engineered to decode all standard 1D, PDF and 2D bar codes. Digital image capture and superior motion tolerance enhance productivity, making the 7580 ideal for use in pharmacies.

6300dpm

Designed to eliminate errors resulting from misplaced surgical instruments and materials, the 6300dpm combines specialized illumination, optics and decoding software that enable you to scan direct part marks before and after surgery. A rugged, ergonomic design enhances user comfort and ensures best-of-class durability.

Dolphin 7850

The Dolphin 7850 is a compact mobile computer with an angled-screen that is purpose-built for scan-intensive applications. It is designed to deliver years of reliable performance for supply chain management applications.

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Service Made Simple™

Service Made Simple is Honeywell's easy, hassle-free repair service for hand-held and hands-free scanners, as well as mobile computers. Available in three- or five-year programs, this coverage assures quality repair service conducted by qualified Honeywell technicians. And it's fast too. Hand-held and hands-free products will be serviced in one business day, mobility products will be serviced in three business days, and all will be returned to your site via expedited delivery.

- **Software Services**
  Our software consultants and business solution partners work as an extension of your development team to understand your specific software application requirements and help you build an application that best suits your business needs

- **Equipment Configuration and Staging**
  Device staging and configuration can be an extremely inefficient process to manage internally. We have the ability to save you time and money, improving your overall ROI—by providing devices completely configured for a full "out of the box" solution

- **Custom Hardware Configuration**
  Specifically designed for enterprise-class customers with unique requirements, we offer the option to customize your hardware solutions in a variety of ways to optimize usability in specific application.

Software

Our products work with a broad range of software to extend the capability of our products while easing development and deployment. All of our devices are based on a comprehensive understanding of real-world applications and what customers need to maximize productivity.

- **Power Tools**
  Power Tools are software utilities on our Dolphin® mobile computers that provide several out-of-the-box solutions for application development and deployment, including retrieving device information, customizing the user interface, working with the registry, networking, and passing bar code data to applications

- **EZ Config**
  This suite of software utilities simplifies configuration management of Dolphin® mobile computers. Device configuration data is stored in files that can be deployed to your devices via bar codes or a USB PC connection. With EZConfig, you can create a configuration file and deploy it to all of the devices you manage without having to touch each device, ensuring that each device has the same default configuration

- **Software Development Kits (SDKs)**
  These are all the tools developers need to create rich, powerful Microsoft® Windows Mobile® and Windows® CE applications for Dolphin® mobile computers. The SDKs contain all of the APIs needed to use the features unique to the devices such as decoding and image capture. In addition, the SDKs support multiple programming languages (C/C++, C# and VB.NET)

- **EasyDL™**
  Honeywell's EasyDL software plug-in parses bar code data found on government-issued identification cards for applications involving automatic electronic form population, such as hospital admissions. EasyDL eliminates the need for host system software to process the encoded information contained within 1D and 2D bar codes found on government-issued identification and is compatible with the Xenon 1900, the Xenon 1902, the Genesis 7580, and the Vuquest™ 4980.

- **Remote MasterMind™**
  Honeywell's Remote MasterMind (ReM) software package provides a quick and convenient solution for IT administrators seeking to manage all scanners within their network from a single remote location. With ReM, IT administrators can perform the five value drivers of scanner management—asset tracking, software distribution, configuration management, diagnostic monitoring and performance measurement—from a centralized location. ReM is compatible with more than 20 Honeywell Scanning & Mobility products, including the Genesis 7580 and the 4820.

- **SOTI MobiControl**
  Advanced remote device management, security and support for Dolphin® mobile computers, enables companies to centrally manage and secure their devices across the enterprise

For more information on our products:

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