



# **BARCODE SCANNING OEM SOLUTIONS FOR MEDICAL APPLICATIONS**

Hardware & Software

**Honeywell**

# PATHWAY TO EFFICIENCY IN HEALTHCARE VERIFY, TRACK & MANAGE

Reducing medical errors and connecting patients to the right care at the right time to increase their comfort and safety is at the forefront of every medical application.

Honeywell's barcode decoding OEM solutions are used throughout the hospital workflow – from the verification of patient identity to medication and sample tracking management – to enhance operational effectiveness and increase patient safety.





# POSITIVE PATIENT IDENTIFICATION

Positive patient identification starts at registration during the admissions process and will continue to be used until discharge. Patient wristbands provide the positive identification hospitals need for maximum patient safety while raising the bar for performance in these critical environments. With the use of Honeywell enabled decoding hardware or software, prevent mistakes and reduce medical errors with patient identity management.

## OUR SOLUTIONS

### N6700 SERIES 2D SCAN ENGINE



#### Benefits

**Effective:** High performance scanning with new 1Mpx resolution sensor (up to 6m/s motion tolerance, up to 80cm read range onto UPC code)

**Intuitive:** Omni-directional 1D & 2D operation

**Patient safe:** Equipped with LED aimer  
**HD optics:** Reads medical high resolution barcodes (down to 2.5mils)

**Compact:** Can fit into tight fixed or mobile devices (6.8mm height)

**Beyond barcode:** Supports multiple imaging applications (OCR, DPM, parsing)

**Applications:** designed for fixed and mobile medical device manufacturers looking for high performance barcode scanning.

### N3601 SERIES 2D SCAN ENGINE



#### Benefits

**Intuitive:** Omni-directional 1D & 2D operation

**Patient safe:** Equipped with LED aimer

**Compact:** Can fit into tight fixed or mobile devices (8.1mm height)

**Cost effective:** optimized price/performance ratio

**Applications:** Ideal for mobile medical device manufacturers (handheld scanners, mobile terminals, tablets) looking for an enhanced price/performance barcode scanning function.

### CM SERIES 2D SCAN MODULE



#### Benefits

**Flexible:** Choice of SR, HD & WA optics, VGA, WVGA, 1Mpx resolution

**Compact:** Free up room on admission counter/desk

**Patient safe:** Laser free aimer

**Easy to integrate:** All in one solution, standard USB interface

**Beyond barcode:** Supports multiple imaging applications (OCR, DPM, parsing)

**Applications:** For fixed mount, medical solutions, CM Series offers a complete choice of barcode scanning performance in a very compact, ready to integrate package.

### CF3680 SERIES 2D SCAN MODULE



#### Benefits

**Specialized:** For fixed mount, customer facing applications

**Digital barcode:** Large exit window for reading barcodes off phone screens

**Patient safe:** Laser free aimer

**Easy to integrate:** All in one solution

**Applications:** Designed for kiosk and counter operation, CF3680 reads digital and off paper barcodes to support an efficient and comfortable patient admission process.

### SWIFTDECODER™ SOFTWARE



#### Benefits

**Snappy barcode scanning:** Helps to expedite the scanning process and minimize errors and delays

**Flexible:** Accommodates mobile and non-mobile platforms, while effectively reading poor quality barcodes

**Applications:** The software is available as a 'no-integration' downloadable app or as a SDK for integration by programmers who develop barcode scanning apps or custom barcode scanner hardware.



# POINT OF CARE

Hospitals clinicians and nurses are under constant pressure to collect complete and more accurate patient information while keeping it secure. Point of care barcode scanning devices come in many different forms. However, point of care solutions begin with a proven core technology that Honeywell offers in their hardware and software decoding solutions. Combining Honeywell technologies with virtually any OEM device links critical hospital system information with improved clinician productivity and most importantly, enhances patient safety.

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**Flexible:** Accommodates mobile (i.e. Apple® iOS®, Android™, Windows™ UWP) and non-mobile (Windows™ Desktop, Linux Foundation™, Embedded OS) platforms, while effectively reading poor quality barcodes

**Omnidirectionality:** Enhances ease-of-use and enables successful first-pass reads.

**Applications:** The software is available as a 'no-integration' downloadable app or as a SDK for integration by programmers who develop barcode scanning apps or custom barcode scanner hardware.

# 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 right analyzer settings are being used. Analysis can be verified against the original physician's orders and chain of custody of samples can be confirmed. Honeywell hardware and software barcode decoding solutions automate reagent identification and laboratory device calibration, reducing lab technician labor and human error. Value added imaging like cap detection is also possible as well as device synchronization using our reader's external triggering.

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### N3601 SERIES 2D SCAN ENGINE



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**Compact:** Can fit into tight fixed or mobile devices (8.1mm height)

**Cost effective:** optimized price/performance ratio

**Applications:** Ideal for mobile medical device manufacturers (handheld scanners, mobile terminals, tablets) looking for an enhanced price/performance barcode scanning function.

### VUQUEST 3330G 2D SCAN MODULE



#### Benefits

**Effective:** Fast and robust scanning performance (up to 6m/s)

**Adaptable:** SR & HD optics, USB or TTL interface

**Extended supply life:** Based onto Honeywell proprietary WVGA sensor

**Patient safe:** Laser free aimer

**Easy to integrate:** All in one solution

**Beyond barcode:** Supports multiple imaging applications (OCR, DPM, parsing)

**Applications:** Designed to support high barcode scanning throughput required in medical laboratory equipment.

### SWIFTDECODER™ SOFTWARE



#### Benefits

**Snappy barcode scanning:** Helps to expedite the scanning process and minimize errors and delays

**Flexible:** Accommodates mobile and non-mobile platforms, while effectively reading poor quality barcodes

**Omnidirectionality:** Enhances ease-of-use and enables successful first-pass reads

**Applications:** The software is available as a 'no-integration' downloadable app or as a SDK for integration by programmers who develop barcode scanning apps or custom barcode scanner hardware.

# PHARMACY MANAGEMENT

Medication administration can be time consuming and also presents opportunities for error. Nurses can scan the patient's wristband and their medication to confirm a match, ensuring the right patient receives the right medication at the right time. Honeywell's hardware and software barcode decoding solutions reduce the possibility of human error while streamlining a process to save time and cost by eliminating the need for additional paperwork. In addition, hospital systems can link caregivers to patient treatment automatically for increased accountability.

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# MATERIAL & STOCK MANAGEMENT



Managing the supply of goods – from instrumentation, tools, medicine and employee equipment – is a critical activity for hospitals and health centers. Honeywell offers a complete product line of barcode scan engines and software allowing hospitals and health centers to track and trace stock and inventory of goods. More particularly, Honeywell’s solutions enable reading barcodes on warehouse shelves from up to 15m distance, as well as reading barcodes close to each other with increased snappiness and motion tolerance (up to 6m/s). Our barcode scan engines are very compact and are developed on the same software platform, making them faster to integrate.

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**Applications:** Designed for fixed and mobile medical device manufacturers looking for high performance barcode scanning.

### EX25 SERIES 2D SCAN ENGINE



#### Benefits

**Versatile:** Reads barcodes from 20cm to 15m

**Intuitive:** Can read any 1D or 2D barcode in any direction

**Faster integration:** Decoded out operation

**Robust:** Designed to withstand stringent levels of shocks & environmental specifications

**Applications:** Ideal for warehouse & logistics, EX25 is the barcode scan engine that covers all applications for stock management.

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#### Benefits

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## FOR MORE INFORMATION

Honeywell Sensing and Internet of Things services its customers through a worldwide network of sales offices and distributors. For application assistance, current specifications, pricing, or the nearest Authorized Distributor, visit our [website](#) or contact our regional team:

### REGIONAL PRODUCT MARKETING CONTACTS

**North Am:** Kai Figwer  
kai.figwer@honeywell.com

**EMEA:** Pascal Schweizer  
pascal.schweizer@honeywell.com

**APAC:** Joyce Yu  
joyce.yu@honeywell.com

**MERTA:** Lalehan Candemir  
lalehan.candemir@honeywell.com

**Greater China:** William Zhou  
williamzhou.zhou@honeywell.com

## GLOSSARY

VGA: 640x480 pixels  
WVGA: 844x640 pixels  
Mpx: Megapixel  
SR: Standard Range  
HD: High Density  
WA: Wide Angle  
DMP: Direct Part Marking  
OCR: Optical Character Recognition

## 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 acknowledgment 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.**

While Honeywell may provide application assistance personally, through our literature and the Honeywell web site, it is buyer's sole responsibility to determine the suitability of the product in the application.

Specifications may change without notice. The information we supply is believed to be accurate and reliable as of this writing. However, Honeywell assumes no responsibility for its use.

## Honeywell Advanced Sensing Technologies

830 East Arapaho Road  
Richardson, TX 75081  
[sps.honeywell.com/ast](http://sps.honeywell.com/ast)