Zebra Healthcare Scanners for Ambulatory Surgery Centers
Improving workflows, accuracy and the patient experience
Next Generation Data Capture For Essential Patient Care

Ambulatory surgery centers (ASCs) have forever changed the healthcare delivery model for providing safe, cost-effective outpatient care for same-day surgeries, diagnostic testing and preventive procedures. Today, more than 50 percent of outpatient surgeries are performed in an ASC setting and industry estimates suggest that this upward trajectory will continue to accelerate. As case volumes continue to rise and competition for patients intensifies, ASCs are embracing technology to better ensure patient safety, enhance clinical work flows and reduce costs.

Zebra’s handheld imager healthcare portfolio enables ASCs to automate data capture and improve data accuracy, helping to prevent medical errors and improve patient safety. These scanners can capture virtually any barcode, on any medium, in any condition with first-time, every time predictability – as well as capture images, documents and signatures. This results in the ability to streamline workflows such as admissions, positive patient identification, pharmacy inventory management, specimen tracking, barcode medication administration and mobile phlebotomy. And the ability to easily compile required documentation helps improve operational efficiency throughout the ASC.

Medication administration
The ability to scan barcodes on the patient wristband and medication provides split-second verification that the right patient is receiving the right medication, via the right route, at the right time. No extra paperwork is required, and medication errors can be spotted before medication is administered. Caregivers can also scan the barcode on their identity badges for an automatic audit trail.

Pharmacy procedures
Barcode scanning can prevent errors at the start of the medication supply chain – the pharmacy. The ability to scan the barcode and compare it to the medication order ensures that the right medication at the right dosage is prepared and issued for the right patient.

Enriched patient identification information
With 2D imaging, a caregiver can capture a photo of a patient’s face and other identifying marks (such as scars, birthmarks or tattoos) to prevent mistaken identity.

Faster admission
Multiple data capture options error-proof and streamline the admitting process. With 2D imaging, caregivers can capture signatures and barcodes quickly and easily.

Automatic chain of custody for controlled substances
As sensitive items such as narcotics move throughout the ASC, a quick scan of the employee badge and the controlled substance provides visibility into the complete chain of custody – ensuring availability, improving accountability and deterring theft.

Better inventory visibility
When barcode scanning replaces manual paper-based inventory procedures, ASCs can cost-effectively take rapid and accurate inventories on a daily basis – from the contents of the supply cabinets to the pharmacy shelves. The result is the visibility required to improve the speed and accuracy of the ordering and replenishment process, ensuring that caregivers always have the right supplies and medications on hand to treat patients.

Specimen collection
The ability to scan a patient wristband and print out a barcode label right at the point of care for a specimen container (requires an optional mobile printer) establishes a specimen chain of custody that is vital to ensuring specimen integrity and patient safety.

Operating room inventory
A healthcare purpose-built scanner is ideal in operating rooms, allowing nurses to scan inventory prior to and after procedures. The ASC now has real-time inventory information to ensure timely ordering. The last known location of surgical instruments and equipment is captured for easy tracking. And caregivers can instantly spot any missing items to ensure that they have not been inadvertently left inside the patient.

Charge capture
The ability to scan consumables as they are utilized in the operating room and recovery room enables the instant and accurate capture of all items utilized for a specific patient. As a result, all appropriate charges are captured on patient invoices, protecting the financial health of the ASC.

Zebra’s Handheld Imager Healthcare Portfolio

Whether you need to add enterprise-class scanning to carts, workstations-on-wheels (WOWs), desktop or laptop computers, tablets or smartphones, there is a Zebra healthcare imager designed to meet your needs and budget.

DS8108-HC
Premium corded 1D/2D scanner offers unparalleled scanning performance on even the most problematic healthcare barcodes:
- 1D/2D printed or electronic barcodes
- PRZM Intelligent Imaging and 800 MHz microprocessor instantly capture dense, tiny, curved, poorly printed, shiny, crinkled, faded, distorted, dirty or damaged barcodes
- First-of-its kind housing for maximum protection against the spread of infection
- Unique Direct Decode Indicator provides visual feedback for successful scans
- Withstands constant disinfecting – and supports the widest range of harsh disinfectants
- Day and night mode with vibrate
- Integrated lamp
- Headache-free managing and configuring with complimentary 123Scan

DS8178-HC
Premium cordless 1D/2D scanner offers all the features of the corded DS8108-HC, while delivering a truly superior wireless experience:
- Continuous 24-hour scanning with Zebra’s exclusive PowerPrecision+ smart battery
- Exclusive battery charge gauge – see at a glance whether a battery needs replacing before the start of a shift
- Apple Certified – use with iPads and iPhones as well as Workstations on Wheels (WOWs)
- Zebra’s Wi-Fi Friendly Mode ensures that the DS8178-HC won’t interfere with your wireless network
- Visionary visibility into scanning and battery performance metrics to easily identify and replace aging batteries, reducing the time, effort and cost required to manage the battery pool
- Paging button to easily locate scanner

DS4308-HC
Mid-range 1D/2D scanner delivers value and feature-rich versatility:
- 1D/2D printed or electronic barcodes
- PRZM Intelligent Imaging for first time rapid capture of virtually any barcode in any condition – including the tiny dense codes on curved surfaces, such as vials or syringes
- Large working range – up to 30 in./76.2 cm (Code 39 20 mil)
- Large ‘sweet spot’ for can’t miss point-and-shoot scanning
- Withstands constant disinfecting
- Day and night modes
- Headache-free managing and configuring with complimentary 123Scan

CS4070-HC
Small and versatile 1D/2D scanner that can be carried at all times and tucked in a pocket:
- 1D/2D printed or electronic barcodes
- PRZM Intelligent Imaging for first time rapid capture of virtually any barcode in any condition – including the tiny dense codes on curved surfaces, such as vials or syringes
- Easy pairing – one press of the dedicated pairing button instantly connects the CS4070-HC to Bluetooth-enabled computers, workstations-on-wheels (WOWs), tablets and more
- Power for a 12-hour shift
- Withstands constant disinfecting
- Day and night modes
Keep Your Teams Moving and Your Patients Safe

Zebra’s scanners can help your staff improve patient safety, operational efficiency and clinical accuracy at every point of care. Our healthcare solutions are designed and tested for the unique requirements faced by ASCs.

Key Benefits

- Protects the medication supply chain from pharmacy to patient
- Ensures proper patient identification with the ability to capture photos of faces and other identifying marks
- Error-proofs specimen management, ensuring that the right patient receives the right diagnosis and the right treatment
- Enables cost-effective real-time inventory visibility throughout the ASC ensuring timely ordering of mission critical supplies
- Streamlines admission with the ability to capture and append electronic versions of documents to patient files
- Scanning consumables at the point of care ensures the capture of all charges, protecting the ASC’s financial health

For more information on how you can improve patient safety and overall operational efficiency at your ambulatory surgery center with Zebra's healthcare scanner portfolio, please visit zebra.com/healthcare.