ZWIMA
Better Health Access for World

Medical Catalogue

www.zwimatech.com

Contents

Learn more about how ZWIMA is sharing medical innovations with the world.

Taking Medical Technology Innovation to the Next Level

Zwima Tech has rapidly become a leading manufacturer and distributor of durable medical equipment with offices in Singapore. Over the past years, we have quickly grown both organically. Our name, Zwima, reflects our dynamic, forward-moving spirit and this long legacy of enhancing lives.

Quality and Reliability

Quality underpins every aspect of our solutions, from manufacture to service, and pervades everything the company does. This is why our customers have confidence in products "Made by Zwima". By developing technology with industry-leading reliability, built to global quality standards, Zwima is committed to exceeding customer expectations when it comes to product quality.

Innovation

We dedicated to empowering healthcare professionals through innovative, high-value solutions that return better outcomes for patients. Zwima's living technology is built to keep pace with the ever-changing requirements of healthcare, pushing the next generation of medical technology.

Mission

Our mission is to lead the world with innovative healthcare solutions that enhance lives

Comprehensive Service Offering

The Singapore Service Centre offers a range of flexible service options and demonstrates Zwima's steadfast commitment in supporting clinical engineers and caregivers to maximize their technology investments; to manage costs and improve patient outcomes.
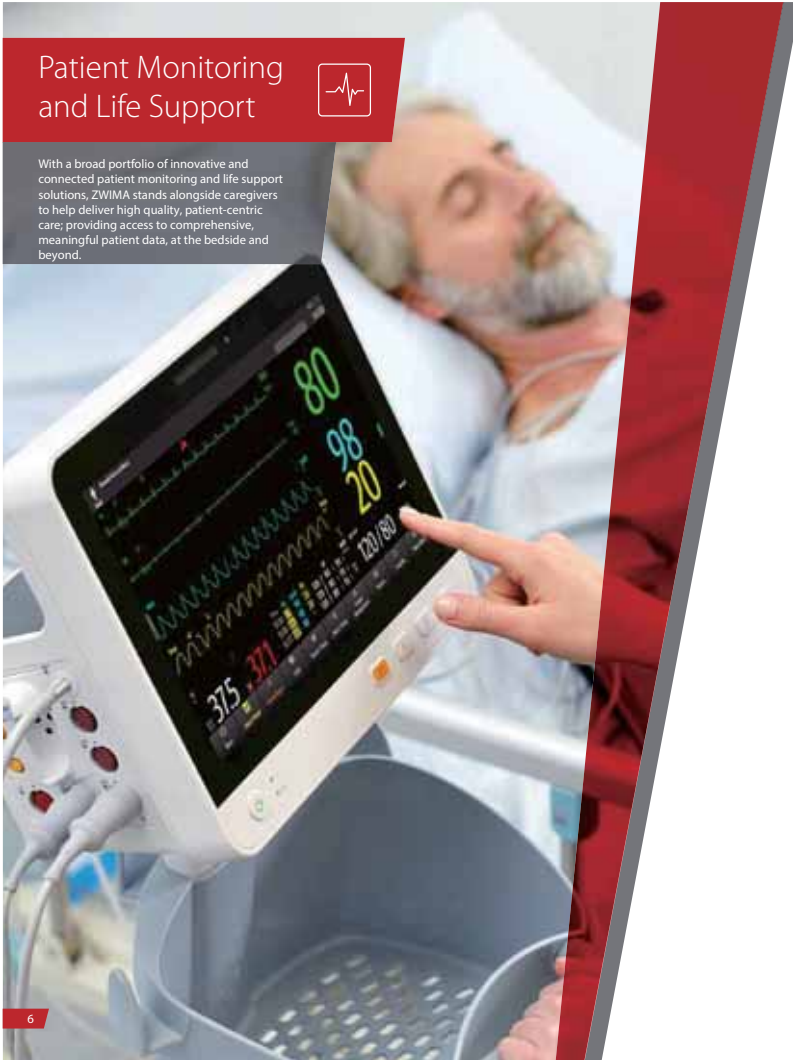
Customer Satisfaction

Don't just take our word for it. Our customers were most satisfied with 'the quality and suitability of products', the 'knowledge of the account manager' and 'value for money'. And when asked to provide three words to describe Zwima, the most common answers were 'value', 'quality' and 'reliability'.

Patient Monitoring and Life Support

With a broad portfolio of innovative and connected patient monitoring and life support solutions, ZWIMA stands alongside caregivers to help deliver high quality, patient-centric care; providing access to comprehensive, meaningful patient data, at the bedside and beyond.

Mid-Acuity Patient Monitoring

ZWIMA Patient Monitor

Designed to make mid-acuity monitoring simpler, the ZWIMA supports the growing needs of caregivers, to enhance the efficiency and safety of care they provide.

Available as a compact version, with fixed parameters, or the modular version, with expandable parameters, it has flexibility in mind. Perfect for the changing demands of busy hospital departments, such as accident and emergency, stroke units and step-down wards.

- Provides a point-of-care NEWS2 tool, to help clinicians track and document signs of patient deterioration, aiding faster and more informed patient care decisions
- Customisable on-screen NEWS2 escalation instructions for caregivers
- Accurate, reliable, intelligent parameters include; 3/5 lead ECG, respiration, SpO2*, temperature and NIBP
- British Hypertension Society (BHS) validated NIBP for fast, accurate and motion tolerant readings
- Extensive data storage capability for trend data, alarms, events, NIBP measurements up to 48 hours of full disclosure
- Wirelessly connect to third party electronic medical record systems via eGateway or via HL7 direct
- The 'View Other Patient' function allows caregivers to see, in real-time, up to 12 other beds on a single ePM screen, helping caregivers view various patients without leaving a bedside
- High resolution, capacitive touchscreen providing a 170° viewing angle
- Validated for cleaning with 49 leading disinfectants, including Clinell®
- Advanced parameter options include 12 lead ECG, 2-ch invasive blood pressure, EtCO2, AG and BIS
- Wide range of mounting solutions available, with quick release mechanism
- Optional modules which can be shared between ePM Modular monitors

Optional modules for ePM Modular

- AG Module - Anaesthesia gas with O2
- etCO2 Module
- BIS Module - Bispectral index (depth of anaesthesia)

Early Warning Scoring (EWS)

ZWIMA monitors include an intuitive EWS calculator helping clinicians identify and respond to signs of patient deterioration with speed and confidence.

- Compliant with the National Early Warning Score 2 (NEWS2)
- Intuitive trend review helps caregivers visualise data quicker
- Display customised escalation instructions on-screen to aid caregivers in making rapid care decisions
- Integration to the EMR for fast, accurate electronic vitals and early warning score documentation

High-Acuity Patient Monitoring

ZWIMA's industry-leading BeneVision N series patient monitors are designed to enhance the quality of patient monitoring across mid and high acuity care settings.

Maximise your investment, scale to each care setting

A single monitor offering multiple solutions – maximised flexibility helping reduce equipment inventory and maximise equipment investments. The N1 is compatible with all BeneVision N Series and most BeneView T Series monitors, allowing hospitals to scale up or down to satisfy the clinical needs of all care areas in an efficient and cost-effective way.

Enhancing safety throughout the patient journey

This innovative 'plug-and-play' monitoring technology ensures seamless monitoring – even on the go – simply slide the N1 out of the bedside monitor and you're off; the N1 instantly converts to a transport monitor. This helps support care quality by avoiding interruptions in patient monitoring – thereby eliminating delays that could impact clinical decision-making or the delivery of urgent care interventions.

BeneVision N1 Patient Monitor

The N1 is the heart of the BeneVision monitoring solution – a versatile bedside monitor, a multi-parameter module and a powerful transport monitor – all in one. Combining intelligent monitoring technology with a clinically tested workflow, the N1 provides continuity of care and data throughout the entire patient journey.

- Drop tested to withstand a fall from 1.2m
- IP44 grade particle and water resistant
- Validated for use with 49 hospital-grade cleaners
- Extensive data storage plus up to 48 hours of full disclosure
- Battery run time of eight hours (without etCO2 module)
- HD display 1280 x 720 with auto brightness

Advanced parameters with analysis of:

- 3/5/6/12-lead ECG
- Respiration
- SpO2*
- Invasive blood pressure
- Non-invasive blood pressure
- Temperature

In addition, an optional sidestream etCO2 module can monitor patients expired CO2, meaning there is no need to add additional modules for transporting patients, particularly those who are intubated.

Efficient workflows

Weighing less than 1kg, this highly portable unit makes transfers between multiple locations within the hospital seamless and efficient. The palm-sized monitor transforms from a transport solution to a full, stand-alone bedside monitor in a matter of seconds. By reducing the need to disconnect, reconnect or clean complex cabling, transfer times are kept to a minimum, allowing clinical staff to spend less time dealing with equipment and more time providing quality patient care.

THEATRE   WARD   ICU   A&E   CT / X-Ray

Platinum Defibrillators

The Platinum range assists rescuers in delivering rapid defibrillation therapy when it is needed most. Studies show that success rates for defibrillation decrease significantly for every minute delay in delivery of CPR and defibrillation.

- Deliver a shock in just 7.5 seconds
- Power on in two seconds, charge in three seconds, ECG recovery in 2.5 seconds
- 4 in 1 design – manual mode (with sync cardioversion), AED mode, multi-parameter monitoring and pacing mode.
- Up to 360J BTE (Biphasic Truncated Exponential) technology with impedance compensation
- Delivers 200 shocks at 360J or 4.5 hours of continuous pacing (per battery)
- Automatic daily self-test ensures device is always ready for use
- Monitoring options include 3/5-lead ECG, impedance respiration, SpO2*, NIBP and etCO2 monitoring
- Extensive storage allows trending of up to 24 hours ECG, 1000 events and 60 minutes voice recording
- 7" full colour display (D3)
- Li-ion rechargeable battery with charge indicator
- Integrated recorder (printer)
- Powered ambulance docking station available
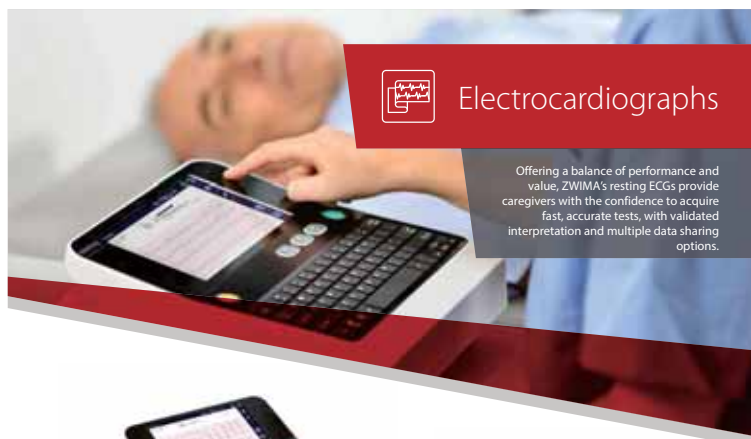- Wi-Fi connectivity included as standard

Optional features available
Platinum Defibrillator

- 12-lead ECG
- Choice of Sidestream or Microstream etCO2 (D3 only available with Microstream)
- Two invasive blood pressures
- Two invasive temperatures
- 8.4" full colour display
- Two lithium-ion batteries

Electrocardiographs

Offering a balance of performance and value, ZWIMA's resting ECGs provide caregivers with the confidence to acquire fast, accurate tests, with validated interpretation and multiple data sharing options.

R12 Electrocardiograph

The R12 ECG provides comprehensive functionality in a robust and portable device. For rapid and accurate ECG's the R12 is ideal for general wards or emergency departments.

- 3/5/12 lead ECG
- Uses the University of Glasgow ECG analysis program, one of the world's leading resting ECG interpretation methods
- 8" high-resolution colour display with optional touchscreen
- Standard keyboard layout with soft-touch hot keys
- Stores up to 800 ECG reports on the internal memory Preview function helps caregivers acquire clean tests and save paper
- Patient demographics can be retrieved from your Patient Admission System (PAS)
- PDF reports can be exported and sent over hospital networks
- XML reports can be downloaded to external storage
- Automatic pacemaker detection
- Li-ion battery with four hours of continuous operation or 400 pages of recording on a single charge
- Optional Wi-Fi and roll stand

R3 Electrocardiograph

The R3 ECG is small and mighty. Exceptionally portable yet equipped with many of the features you would expect to find on a full size ECG system.

- 3/5/12 lead ECG
- Uses the Glasgow ECG analysis program
- Paper-saving features include preview option, re-analysis and PDF report output over a network
- 5" high resolution colour display
- Stores up to 800 ECG reports on the internal memory
- Automatic pacemaker detection
- Connect to an external printer for full A4 reports
- XML reports can be downloaded to external storage
- Li-ion battery with six hours of continuous operation
- Optional Wi-Fi, roll stand and carry bag
- Weighs only 1.2kg

Anaesthesia

Combining traditional simplicity with forward thinking innovation, ZWIMA's solutions provide clinicians with intuitive and flexible ways of managing the anaesthetic procedure for their broad patient populations.

EX-35 Anaesthesia Machine

The EX-35 supports clinicians to make rapid adjustments to ventilation and monitored parameter settings, whilst the Smart Alarm system provides real-time information, quickly alerting users to any adverse situations and ensuring any required interventions can be delivered without delay.

- Automatic compliance and fresh gas compensation maintain accurate tidal volumes
- The integrated heated breathing system maintains a constant system (or core) temperature, virtually eliminating internal condensate build up
- 10.4" full colour touchscreen with easy to use flat menu structure
- Manual/spontaneous breathing mode with respiratory monitoring capability
- Economical single container absorber reduces compressible dead space volume and is compatible with either non-proprietary pre-packaged and loose fill solutions
- HL7 output allows interoperable connectivity with all leading clinical information systems
- Compatible with an extensive range of third-party monitors and accessories

Configurable ventilation modes:*
- Volume Controlled Ventilation (VCV)
- Pressure Control Ventilation (PCV)
- Pressure Support Ventilation (PS)
- Synchronised Intermittent Mandatory Ventilation Volume Control and Volume Guarantee (SIMV-VC, SIMV-PC)

EX-65 Pro Anaesthesia Machine

A feature-rich anaesthesia workstation with smart ventilator technology and enhanced monitoring capabilities, the EX-65 Pro combines performance and value to meet the challenges faced by many hospitals.

Within a small footprint, clinicians benefit from modular scalability with advanced ventilation modes, integrated gas analysis, an optional drive gas auto switch and a spirometry loops screen. The EX-65 makes it easier for clinicians to manage a wide range of patient types, from neonate to bariatrics.

- Automatic compliance compensation and fresh gas compensation maintain accurate tidal volumes
- The integrated heated breathing system maintains a constant system (or core) temperature, virtually eliminating internal condensate build up
- 15" colour touchscreen user interface
- Automatic self-test at start-up and battery back-up as standard
- Economical single container absorber reduces compressible dead space volume and is compatible with either non-proprietary pre-packaged and loose fill solutions
- HL7 output allows interoperable connectivity with all leading clinical information systems
- Optional lung recruitment monitoring software available
- Compatible with an extensive range of third-party monitors and accessories

The optional Agent Gas (AG) Module supports the following:
- FiO2 / EtO2 analysis
- N2O analysis
- Auto ID of up to five agents
- EtCO2 analysis
- Can also be configured with BiS

Configurable ventilation modes:*
- Volume Controlled Ventilation (VCV)
- Pressure Control Ventilation (PCV)
- Pressure Controlled Volume Guaranteed (PCV-VG)
- Synchronised Intermittent Mandatory Ventilation Volume Control, Pressure Control and Volume Guarantee (SIMV-VC, SIMV-PC and SIMV-VG)
- Pressure support and apnoea (with I:E setting)
- Continuous Positive Airway Pressure/Pressure Support (CPAP/PS)

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