Seamless Connectivity

The various interfaces and LAN/Wi-Fi compatibility of the elite V8 make healthcare providers able to monitor their patients' health status from almost anywhere.

- Connecting it with EDAN MFM-CMS central monitoring system, you may log on from anywhere via your
- PC/tablet/smart phone, and check the status of the patients.
- The HL7/XML compatibility enables direct connection to the hospital information system.
- Working together with iM20, a seamless data connection can be built throughout the whole healthcare session, from ambulatory monitoring to the hospital discharge.

elite V8
Modular Patient Monitor

EDAN **Edan Instruments, Inc.**

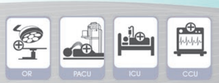
- 3/F – B, Nanshan Medical Equipments Park, Nanhai Rd 1019#, Shekou, Nanshan Shenzhen, 518067 P.R. China
- Tel: +86-755-26898326 • Fax: +86-755-26898330 • www.edan.com.cn • Email: info@edan.com.cn

ENG-PM-elite V8-V1.4-20140512

EDAN

elite V8

Modular Patient Monitor



Care for Health

EDAN

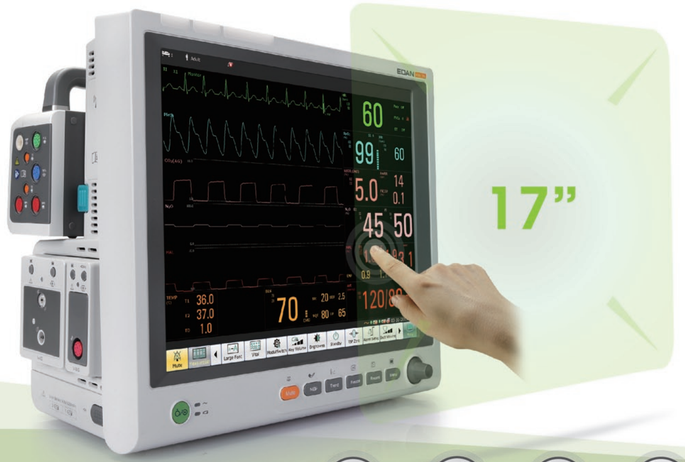
elite V8

Modular Patient Monitor

LAN DHCP | Wi Fi Built-in | USB Disk | SD | Barcode Scanner | USB Mouse

Product Introduction

Engineered specially for high-acuity divisions, the elite V8 dedicates to bringing high-quality healthcare to intensive cares and anesthesia monitoring, integrating world-leading technologies into one unit.



Shortcut Menu | Night Mode | Thermal Recorder | Ethernet Printer

Adaptability

With easy operating touch screen and plug and play modular design, elite series monitors bring flexibilities and high-performance to critical cares.

Anesthesia Monitoring

The latest respiratory gas and brain activity monitoring technology backs you up with the most reliable performance during surgeries.

Respiratory Monitoring

The industry-leading CO_2 & RM monitoring technology provides the most flexible and accurate solutions for both the intubated and non-intubated patients.

Cardiac Monitoring

EDAN's unique iSEAP™/SEMIP ECG algorithm, together with the application of ICG technology, brings flexible choices and reliable measurements on even the extreme cardiac cases.

Intensive/Emergency Cares

The modular design and the expanded parameter configurations extend possibilities in ICU/ER monitoring on a case-to-case basis.

Algorithm & Technologies

ECG

iSEAP™ is an advanced ECG monitoring algorithm developed by EDAN. It shows outstanding performance with great improvement in Arrhythmia Detection, ST Analysis, Giant T Wave Differentiation, Pacemaker Detection, and Interference Resistance. EDAN's SEMIP, on the other hand, is a 12-lead ECG interpretation algorithm tested by CSE & AHA database, which gives accurate diagnosis results and offers doctors a reliable reference.

SpO_2

SpO2 algorithm iMAT™, which improves the accuracy and stability of the measurement under high motion or low perfusion condition, uses special filtering techniques to reduce the noise and amplifies the pulse oximetry signal.

NIBP

iCUFS™ NIBP algorithm has been verified on the monitoring of cardiac patients, hypertensive patients, and neonatal patients. Along with it, the application of optimized cuff sizes also enhances the measuring accuracy, adapting to various clinical cases.

CO_2

The capnography technology iCARB™ is developed to obtain significant readings in response of complex clinical cases, such as cardiogenic oscillation, spontaneous breathing during mechanical ventilation, etc. To help with it, the airway design of G2 water trap is also optimized based on latest fluid dynamics studies.

Nurse Call | DVI Output | VGA Output | Defib Proof & Sync | ESU Proof

Modular Design

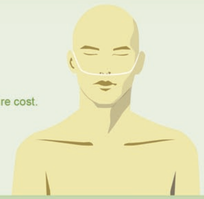
The elite V series employs modular design to answer for the requirements of flexible applications on different clinical cases. Meanwhile, the iM20 transport monitor, which can also work as the main module of the elite V series, builds seamless data connections between transport monitoring and bedside monitoring.

- **iM20 Transport Monitor/XM Module**
  Standard: 3/5-lead ECG, NIBP, SpO_2 with Signal Intensity (SI), 2-TEMP
  Optional: Nellcor OxiMax™ SpO_2 (iM20 only) with SatSeconds™ , 12-lead ECG, 2-IBP
- **V-SpO_2 Module** (Nellcor OxiMax™ SpO_2 with SatSeconds™)
- **V-NIBP Module** (Omron® NIBP)
- **V-IBP Module** (Maximum 8-IBP with waveform overlapping function)
- **V-C.O. Module** (Thermodilution Cardiac Output)
- **V-ICG Module** (Impedance Cardiography)
- **V-CO_2 Module** (Respironics Mainstream/Sidestream, G2 Sidestream)
- **V-RM Module** (Respironics Respiration Mechanics)
- **V-AG Module** (Masimo Mainstream/Sidestream)
- **V-BIS Module** (Bispectral Index)

iM20

Masimo Multi-gas
Mainstream AG
- Unique mainstream AG technology.

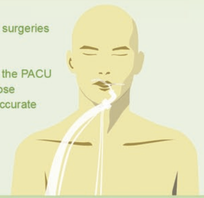
Sidestream AG/O2
- Unique Nomoline design for water removal.
- Low sample rate at 50 ml/min to minimize the anesthetic agent consumption.
- Paramagnetic oxygen sensor with no additional future cost.



Respironics Mainstream/Sidestream CO_2
- Plug & play module design
- Dehumidification tube instead of water trap
- Low sampling rate of 50ml/min suitable for all types of patients

EDAN G2 Sidestream CO_2
- Superior water reap design for accurate monitoring
- iCARB™ algorithm with intelligent CO_2 pseudo wave identification technology

BIS
- Bispectral index monitoring with BIS EEG
- Monitor the patient's brain activity during the surgeries
- Reduce the risk of anaesthesia awareness
- Help speed up the anaesthesia recovery
- Help reduce the time each patient spends in the PACU
- Help reduce the usage of the anaesthesia dose
- One-piece design electrodes for quick and accurate placement



RM
- Continuous and real-time monitoring of lung mechanics
- Loops for more clearly vision of respiratory changes
- Help detecting pulmonary disorders
- Risk management on respiratory failures
- Reduce ventilator-related complications

ICG
- Specially suitable for cardiac monitoring in CCU
- Non-invasive method for cardiac output monitoring
- Continuous monitoring with four pairs of sensors
- Hemodynamic monitoring
- No injury or infection to the patient
- Easy to use