C60 Neonatal Monitor

C60 is equipped with a high-definition color LCD screen, providing high-contrast and easy-to-read information. Its user-friendly design makes it suitable for all users. According to the characteristics of neonatal monitoring, Comen US has incorporated neonatal-specific technology into the measurement technique, ensuring both high precision and reliability. Also, with its advanced OxMon® neonatal technology, the C60 is designed specifically for neonatal intensive care units, providing comprehensive monitoring solutions.

C80 Intensive Care Unit Monitor

C80 is equipped with a high-definition color LCD screen, providing high-contrast and easy-to-read information. Its user-friendly design makes it suitable for all users. According to the characteristics of intensive care monitoring, Comen US has incorporated intensive care-specific technology into the measurement technique, ensuring both high precision and reliability. Also, with its advanced OxMon® technology, the C80 is designed specifically for intensive care units, providing comprehensive monitoring solutions.

C90 Modular Monitor

C90 is integrated with the world-leading technology of life parameter monitoring and IT application. Its modular design allows for a high-reliability monitoring platform and provides a comprehensive monitoring solution.
Comprehensive monitoring management in hospital and outside hospital

To monitor the patient parameter comprehensively and integratively from the first-aid spot to the recovery of patients as a complete management system.

1. First aid on the spot
2. Patient transferred to ambulance
3. Linked to an ambulance
4. SENT TO EMERGENCY ROOM
   - With a CDR (continuous data recorder) monitor, the patient’s condition will be continuously monitored to determine when the patient is stabilized.
5. Transferred to emergency room
6. Transferred to the operating room
   - CDM modular monitor will carry out online monitoring and diagnosis for the patient’s condition. With ceaseless checking, ECG and EEG simultaneously, the rescuers can make an accurate diagnosis and decide the operation carried out more smoothly. The rescue team will make the decision of whether to use a CDM modular monitor to assess the patient’s condition and make real-time updating for the patient’s information.
7. Transferred from the operating room to ICU
8. ICU monitor: module monitor has taken over the frequency and condition of the patient; the device can display the patient’s condition on the computer. It will send out an alarm when abnormal conditions are detected, while at the same time, the patient’s condition will be continuously monitored until the patient is in a stable state.
9. Transferred to a general ward
   - After the patient’s condition improves and becomes stable, the patient information associated with a monitoring system and ICU will be transferred through a small data CDM, large frame CDM module monitor to ensure the accuracy and real-time updating for the patient’s information.
10. Discussed in the hospital setting and the patient’s recovery.
The world leading technology and high-level materials and advanced manufacturing process ensure that C90 modular monitor provides a high-end life monitoring platform.

**External Design**

- 17 inch screen with high resolution 1780 x 1084
- Multi purpose detector touch screen and operation buttons make double accuracy
- Built-in lithium battery for 4 hours continuous monitoring
- Multi-means multichannel measuring, history
- External laser printer and bar code printer
- 4-8学院 medical contact, automatic data exchange through Ethernet

- The shell of the C90 is processed and manufactured by CINCINNATI Processing Center. The shell is adapted with the advanced processing machine and complete auxiliary equipment, which ensures the stability and reliability of the C90 extreme.
- The molded C90 is also adapted with composite materials, technology and materials.
- All key hardware components are having an excellent heat dissipation effect.
- Handle built-in handle for easier using and easier to carry around.
- Wire-cord type: plug, three-color alarm lamp to show up clearly and make clear for physiological alarm and technical alarm.
- 3D sockets to expand memory capacity.
- Multiple USB interfaces can support external keyboard, mouse and support data transfer as well as software upgrades.
- Various ports for external terminal: auxiliary plug in, printer, USB and other network interfaces and even.
- Interlaced panel management to control interface, back-lit keys, and data lights, to prevent foreign substances to stop it, and to exchange uniformly the data lights.
**Hardware technology – module**

- 4-in-1 functional module slot, which is hot-swappable, supporting full-module random combination, automatic identification with software, and interface dynamic combination (picture attached)

**Diversified C30 6-parameter plug-in module**

- **ICP** invasive blood pressure module
  - Through the C30Abbot/Accent invasive blood pressure transmission line, monitor arterial pressure, peripheric arterial pressure, central venous pressure, and intracranial pressure, etc.

- **EtCO₂ module**
  - CardioFusion Co₂
  - To work together with US RENALINKS we chose the multi-patient side-stream invasive EtCO₂ module. As small in size, durable and light in weight, the mainstream sensor can be used to provide a simultaneous patient from northeast China to be adopted for accurate, reliable CO monitoring. It can be automatically corrected for CO₂ value from the process steam directly ensuring to monitor non-ventilated patients. They flexible and compact CO₂ sensor can provide reliable, sensitive and narrow bubble for a continuous and reliable CO measurement. And, the employment of C30Abbot/Accent helps.

- **Pharmaceutical Drugs**
  - Extremely compact design (25x) Maintenance of multi-electronic monitoring, Intelligent suspendible, Extremely easy to integrate, “Plug and measure”.

- **Pharmaceutical Drugs**
  - Using a flexible multi-point tool (low flow 30ml/min for all type of patient, “instant can” – seconds up time 30s/20s seconds with full power, Extremely low power and weight, “Plug and measure” Mainscooses channel monitor optionally connected.

- **AG module**
  - Be able to receive and eight differential gases: O₂, CO₂, N₂O, ENF, SO₂, H₂S, LV, H₂. It can automatically identify what kind of anesthetics gas it is used, characterized by its short period of warming time and long service life as well as MAC value provided (minimum alveolar concentration).
**ICO (Depth of Anesthesia)**

The ICO module has been designed to be used in the monitoring of the level of consciousness of a patient during the administration of general anaesthesia or in intensive care. This is accomplished by recording the electrical activity of the brain, which is then analyzed by a digital processor.

As a result of the applied calculation, an index ICO is obtained, which serves as a predictor to the doctors who use it to determine the level of consciousness of the patient during surgery.

**ICG noninvasive blood flow dynamics module**

Colored with CO 3000”, an impedance CO is adapted to monitor noninvasive blood flow dynamics monitoring, which is characterized by an insensitive, continuous and highly accurate and stable recording process, and is used to monitor the cardiac output through the heart. The impedance of the electric signal can be measured and displayed in an ICG waveform. At blood volume and blood flow rate in the heart, the signal is measured and monitored through a digital processor, allowing for accurate and continuous monitoring of the patient's cardiac output.

**C.O. invasive cardiac output**

ICO is recorded itself in invasive cardiac output technique, but C.O. measurement is conducted with conventional invasive methods for invasive cardiac output (IC0) and other hemodynamic parameters. The method can be used for "blood temperature-signaling mixed venous oxygen saturation measurement and other hemodynamic parameter measurement. The method can be used for "blood temperature-signaling mixed venous oxygen saturation measurement and other hemodynamic parameter measurement.

**C30 plug-in expansion slot**

Eight module slots can be provided for function expansion.
Software technology-interface

High-information and high-intelligence operation system and analysis software can provide precise digital support for clinical decision-making. Self-adaptive working interface adjustment function and humanized operation system allow you to enjoy the best operation experience.

- **Software technology**
  - Unique IMA™ integration system, to identify abnormal levels automatically according to various measurement parameters. There are high, middle, and low alarm levels, and different trends and warning prompts for every level with delayed alarm and delayed time which can be adjusted. There is also automatic alarm suppressing function. Different from solid-state alarm, there is a crucial dual signal base for alarm to reduce irritation and false alarm.
  - Powerful network function to support wired and wireless connectivity.
  - Personalized identification interface, switching without flashing function during interface switching.
  - The Multiple Extension function with automatic identification for software and hardware adjustments for interface.

- **Interface**
  - Modular MBP system. To display operating status of each level.
  - Informational integration and motion of record display, automatic measurement management, waveform monitoring information from hospital inquiry.
  - Detailed screen design with high-quality touch experience.
  - Maximum 12 channels of waveform display. All 12 parameters waveform can be combined and switched over flexibly according to user demands.
  - CG waveforms review interface. 96 minutes CG waveform review is an important waveform examination for clinical analysis and important information.
Digital application

The advanced electronic management - information integration engine technology

Information integration engine technology can be connected to patient monitors and bedside medical equipment with centralized and real-time display & review of equipment information based on the information network in the hospital. Messages of different administrative or technical offices such as RIS, PACS and LIS, etc. in the hospital can be integrated to integrate clinical information.