

**COMeNUS**

**C20**  
Specialized Obstetric Monitor



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# C20

## Specialized Obstetric Monitor

### The 1<sup>st</sup> Obstetric Modular Monitor

In obstetrics, we take care of both fetus and pregnant women.

Different monitors will be used during the process of prenatal diagnosis, premature rescue, delivery, postpartum recovery. Traditional obstetric care equipment include fetal monitor, emergency transport monitor, maternal / fetal monitor and multi parameter monitor, which make monitoring complicated. However, COMEN designers make it simple and create the C20 specialized obstetric monitor. C20 provides a variety of obstetric care equipment which can meet all the demands in obstetrics.

Specialized Obstetric Monitor C20  
can meet the different requirements of all aspects



1 Ante partum checking



2 Ante partum first aid



3 Monitoring during delivery



4 postpartum transfer



5 postpartum recovery



## Creative Integrated modularized design

Multifunctional C20 monitor consists of main unit and plug-in modules, it offers comprehensive monitoring in prenatal, parturition and postpartum. Plug-in module is specified design for emergency transport and postpartum monitoring, module is adopted with 4.3" touch screen, it could be used as a separate monitor to meet the requirements in first aid, postpartum transport and recovery.

C20 monitor, creatively to meet the clinic requirements under different situation, it's low down the cost of healthcare and also offers flexible application.



### • Foldable touch screen

12.1" LED back light Screen makes C20 energy-saving and environment-friendly. Compared with normal LCD screen, it is lighter and thinner, save 40% more energy with higher resolution, wider color range and longer service life.



### • Printing system

Built-in 152mm wide thermal printer, printing size is 141mm; Cai-Rec® intelligent print correction function, to adjust paper printing direction, which solve the problem of paper jam, and inspect hatch cover status in time; if not closed properly, print is not available in case of intelligent power off, and be showed in display. External laser printer is available through USB port, A4 paper showing the comprehensive score report, to save cost, and make patient cases in long-term preservation.



### • Sensor auto-identification

Unified ports, FHR, TOCO, FM sensors are identified automatically, also showed in display; Humanized setup, to avoid improper operation and make more efficiency in work.



### • Water Proof Sensors

Wide pulse, high sensitivity sensor as well as supporting under-water delivery, low transmission power, large effective received area. RSSI (Received Signal Strength Indicator) on display, to assist doctor to find out the most suitable FHR position more accurate way.



### • Storable probe bracket

Hidden bracket on the right side to fix sensors.



### • Built-in Li-ion Battery

4400mAh, more than 4hrs working time.

### • Computerize alphanumeric keyboard

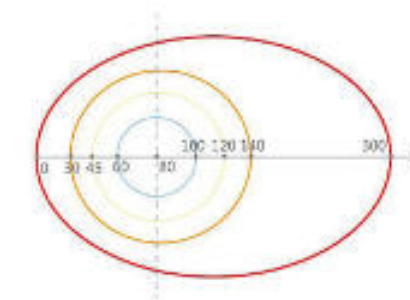


### • Alarm system

Three level alarm system 360 degree for observation, easy to see physiological and technical alarm; Unique I-KLOK® intelligent alarm technology: I-KLOK® tech can identify alarm grade automatically according to physiological parameters change; in different three level of visual & audio alarm, to help medical staff to make accurate judgment.

#### HR Alarm setup

Normal	60 ~ 100
Slight abnormal	45 ~ 59 ; 101 ~ 119
Slight urgent	31 ~ 44 ; 120 ~ 139
Critical	<30 ; >140



## ConxOS Operation system

C20 carries Comen's brand new ConxOS operating system. ConxOS is specific OS applied to medical monitoring field; it uses preemptive Real-time multitasking technology, integrates with the current most advanced multi-process mode, the terse and effective system overhead & resource utilizations insured more smooth running speed. As a medical monitoring software, ConxOS's stability and accuracy offers operation security for medical staff, as well as its great 3D visual touch experience in the creation of ergonomics.



slide-screen technology



- Slide-screen technology  
3D simulation effect when clicking on menu, humanized touch experience, smooth operating software.
- Slide screen for quick interface switch  
The first-time introduced slide-screen technology in medical monitoring field allows users in easy interface switch
- Self-adaptive interface layout  
Automatic adjustment operation interface based on the sensor access
- Automatic standby, Incident waken up, regular shutdown  
Handwriting input
- Automatic hidden interface function button, make full use of screen display space  
The interface of Waveform, parameter, short trend can be arbitrary adjusted
- FHR signal strength indicator, twins cross channel verification  
Timing monitoring
- TEMPOM<sup>®</sup> timing monitoring function, automatic-identification of alarm level.  
Self-adjust proper alarm time to reduce false alarms
- Manual / automatic FM measurement, automatic fetal status scoring system  
Timing printing function
- 96 hours trend storage .Power-off data protection for 30000 cases
- Support wire/wireless central monitoring station connection
- Support data storage and program upgrading by external USB disk

### Configuration list

Standard configuration  
FHR / TOCO / FM / built-in thermal printer / 4400mAh li-ion battery

Optional configuration  
Plug-in modules ( ECG / HR / SPO2 / NIBP / RESP / TEMP / PR ) / twins monitoring function / fetal wake-up function / external laser printer



## Central monitoring station of obstetrical department

Specialized monitor of obstetrical department named C20 cooperates with STAR8800 to be a strong obstetrical central monitoring system .it can connect with Internet by wireless or wired. The wired and wireless signal can arbitrarily swift each other and also join up to form net.

Central monitoring system of obstetrical department can link to HIS, Internet, and also support the treaty HL7, adding up to the whole hospital's resolving scheme

Multi Monitors mixed network