

Endless love  
To Guard The New Life Safe



# HKN-2200B

Infant Radiant Warmer



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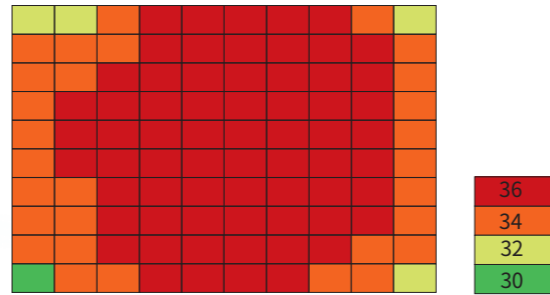
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## CONTINUOUS AND STABLE THERMOREGULATION



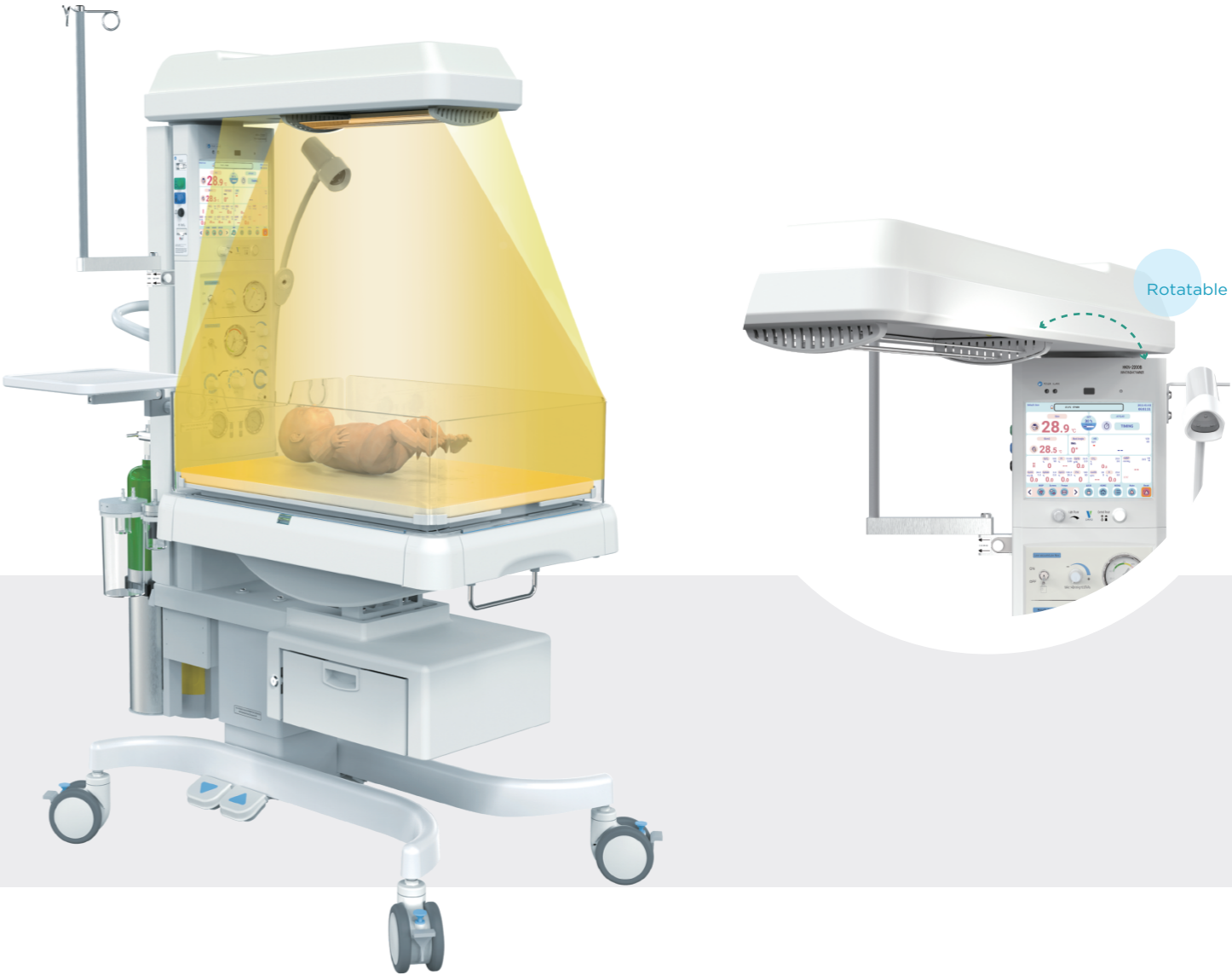
### ■ Building a warm and reliable growth cradle

Quartz high-power heating tube is adopted, which can efficiently convert into far-infrared radiation. It is easy to be absorbed by the skin, with fast heating speed and short rewarming time;

Parabolic reflector with high reflectance, with more concentrated radiation area, ensuring mattress to be evenly heated, and preventing the surrounding nursing staff from feeling overheated;

High-precision dual thermistor skin temperature sensor, with more accurate temperature monitoring;

The radiating head supports horizontal rotation, adjustable in 5 gears, convenient for clinical X-ray shooting.



## Protection with Love, Start with First Aid

**Intelligent integration of thermoregulation  
+ respiratory resuscitation + life monitoring**

Build a safe neonatal surgical emergency place to effectively save the rescue time of emergency diseases.

## RESPIRATORY RESUSCITATION IN A RACE AGAINST TIME



Due to the immature development of the neonatal respiratory center, premature infants and low birth weight infants often suffer from critical situation of apnea. Therefore, it is necessary to establish respiratory support and oxygen therapy systems in the NICU to help newborns to breathe stably, and reduce the occurrence of hypoxemia and lung damage.



- T-piece resuscitation device**  
 Provide controlled and stable peak inspiratory pressure (PIP) and positive end-expiratory pressure (PEEP), ensure functional residual capacity (FRC), provide optimal oxygenation, and effectively prevent neonatal respiratory complications.
- Air/oxygen blender device**  
 Provide accurately controlled air-oxygen mixed gas to children who need oxygen; as a gas supply device, it can be used with other clinical respiratory treatment systems (e.g. CPAP and HFNC).
- Low pressure aspirator device (Venturi)**  
 Professionally used for cleaning the respiratory tract of newborns.

## EFFICIENT AND PORTABLE FOR JAUNDICE TREATMENT

Optional

- Strong light therapy, using SMD LED light source, with high total bilirubin irradiance, in line with the American Academy of Pediatrics (AAP) guidelines for strong light therapy equipment.**



- It can treat jaundice efficiently, quickly reduce the level of bilirubin in children, shorten the treatment time, and reduce the chance of blood transfusion exchange to a certain extent.**

- It has the function of accumulating light therapy time, convenient for medical staff to replace the irradiation light source in a timely manner, so as to ensure the effect of light therapy.**

## REAL-TIME COMPREHENSIVE LIFE MONITORING

Optional



- Hemoglobin monitoring**

The perfusion variation index (PVI) enables clinicians to assess the patient's infusion status, and non-invasively and continuously measures the hemoglobin SpMet in the blood to assess the total blood oxygen content SPOC.

- Masimo<sup>®</sup> Rainbow SpO<sub>2</sub> pulse oximetry monitoring system**

It can effectively eliminate movement interference and improve the measurement performance under low perfusion and body movement states<sup>1</sup>.



- ECG monitoring**

3-lead or 5-lead monitoring of neonatal ECG waveform and heart rate.



- SunTech<sup>®</sup> NIBP non-invasive blood pressure monitoring**

It has double protection function of software and hardware.

- RESP respiratory monitoring**

Continuous monitoring of respiratory rate based on the thoracic impedance method.



- Masimo<sup>®</sup> CO<sub>2</sub> monitoring**

Provides two measurement methods: mainstream and external side flow to monitor CO<sub>2</sub> accurately in a real-time manner.



- Apnea wake-up monitoring**

It has the functions of close monitoring, real-time prompt and adopt early intervention for neonates at risk of apnea.

<sup>1</sup><Performance of Three New-Generation Pulse Oximeters during Motion and Low Perfusion in Volunteers.> Shah N., Ragaswamy H.B., Govindugari K., Estanol L. J Clin Anesth. 2012 Aug;24(5):385-91.

## SAFE AND COMFORTABLE TREATMENT ENVIRONMENT



- The first domestic kangaroo mode  
Supporting kangaroo-style care, reducing parents' anxiety, and facilitating newborns' physical and mental development.

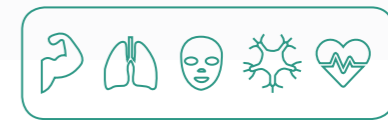


- One-button electric control bassinet can be adjusted smoothly and tilted at multiple angles, which can effectively reduce the spitting up of newborns.

The angle of the bassinet can be adjusted through the touch screen and support one-key leveling, which is more convenient for operation.



- Pressure-relief antidecubitus waterproof mattress is made of TPU material, which is waterproof, soft and breathable, thereby protects the tender skin of newborns and improving the comfort of newborns.



APGAR score timing



CPR timing functions

- The APGAR score timing and CPR timing functions help medical staff to assess the vital signs of newborns in a timely manner.



System protection



Hardware protection



Mechanical protection

- Triple independent overheat protection, multi-channel sensor monitoring, and timely activation of audio & visual alarm provide multiple safety protections.

- Hands-free alarm silence, non-contact alarm mute function to maintain a clean and quiet treatment nursing environment.



## EFFICIENTLY SIMPLIFIED CLINICAL CARE PROCEDURES



### ■ LCD display

10.4-inch TFT color LCD touch screen with large characters, clearly visible from a long distance, with fast switching between multiple languages, convenient for medical staff to observe and operate;

Night mode can be set to automatically identify the external environment, adjust the screen brightness, and reduce the impact of light stimulation on newborns.

- The two-way pull-out storage drawer can accommodate a variety of small medical devices, and the external storage basket can properly accommodate cables and other accessories.

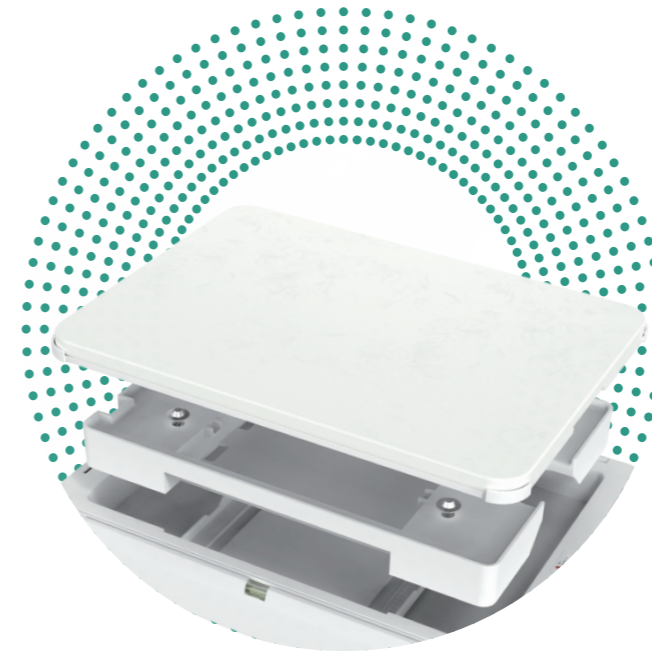


- The two-way pull-out X-ray cassette can be placed under the bassinet, eliminating the need to move the newborns.



- The three-sided panel damping system lowers the panel in silence, can be used for all-round observation and caring of newborns by medical staff, reducing external stimulation.

Optional



- Built-in weighing system, convenient to measure the weight of children and monitor the weight trend changes.

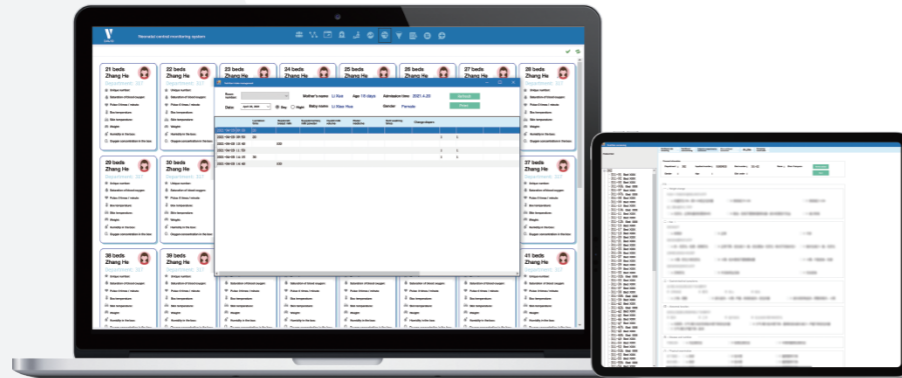
Optional



- The height of the whole machine can be adjusted to meet the operations of medical staff with different heights.

- Can be used with NICU information management system

A clinical information management system, focusing on the daily nursing process of medical staff based on the special nursing requirements of newborns. It carries out comprehensive information collection functions with the medical system, and supports a full range of smart pendants.



- The lamp brightness is infinitely adjustable to provide even light covering the mattress, helping medical staff to observe and care even in a dark environment.

## CONFIGURATION TABLE ( ✓ Represents for standard function, ▲ Represents optional function. )

Infant radiant warmer module			
Controller	✓	T-piece resuscitation, Air/oxygen blender, Low pressure suction	✓
Temperature servo control	Pre-warm mode, manual mode, Baby mode, kangaroo mode	Automatic adjustment of screen brightness	✓
Warmer module	✓	Neonate bilirubin phototherapy unit	▲
Skin temperature sensor	✓	Panel damping system	▲
APGAR,CPR	✓	Weighing system	▲
Hands-free alarm silence	✓	Camera function	▲
Vertical height adjustment stand	✓	External observation lamp	▲
Electric tilting system	✓	Ambient temperature and humidity monitoring function	▲
Monitoring tray	✓	Air cylinder, oxygen cylinder	▲
Special monitoring module for newborns			
SpO <sub>2</sub> monitoring	▲	Hemoglobin monitoring	▲
ECG monitoring	▲	CO <sub>2</sub> monitoring	▲
NIBP monitoring	▲	Apnea wake-up	▲
Power voltage	AC110-120V/50-60Hz or AC220-230V/50Hz,1200VA		
Failure alarm	Power failure, sensor, deviation, over temperature, setting, checking, system, blood oxygen, SpO <sub>2</sub> , ECG, RESP, NIBP, CO <sub>2</sub> alarm, etc.		
Product dimension	L1200mm × W840mm × H1650mm- 1800mm		
Product weight	About 140Kg		