

Endless love

To Guard The New Life Safe 



HKN-2500B

Infant Radiant Warmer

CONFIGURATION TABLE

(✓ Represents for standard function, ▲ Represents optional function.)

Infant radiant warmer module			
Controller	12.1-inch TFT color LCD touch screen	T-piece resuscitation, Air/oxygen blender, Low pressure suction (Venturi)	✓
Temperature servo control	Pre-warm mode, manual mode, baby mode, kangaroo mode	Neonate bilirubin phototherapy unit	✓
Mattress heating function	✓	Air cylinder, oxygen cylinder	▲
Warmer module	✓	Automatic adjustment of screen brightness	▲
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	▲

Special monitoring module for newborns			
SpO ₂ monitoring	▲	Hemoglobin monitoring	▲
ECG monitoring	▲	CO ₂ monitoring	▲
NIBP monitoring	▲	Apnea wake-up	▲
Power voltage	AC110-120V/50-60Hz or AC220-230V/50Hz,900VA		
Failure alarm	Power failure, sensor, deviation, over temperature, setting, checking, system, SpO ₂ , ECG, RESP, NIBP, CO ₂ alarm, etc.		
Product dimension	L1353 mm × W740 mm × H1840-H1990 mm		
Product weight	142kg		



Ningbo David Medical Device Co.,Ltd

Add: Bldg No. 5 Ningbo Smart Park, #98 Chuangyuan Rd, Hi-tech Zone, Ningbo, China

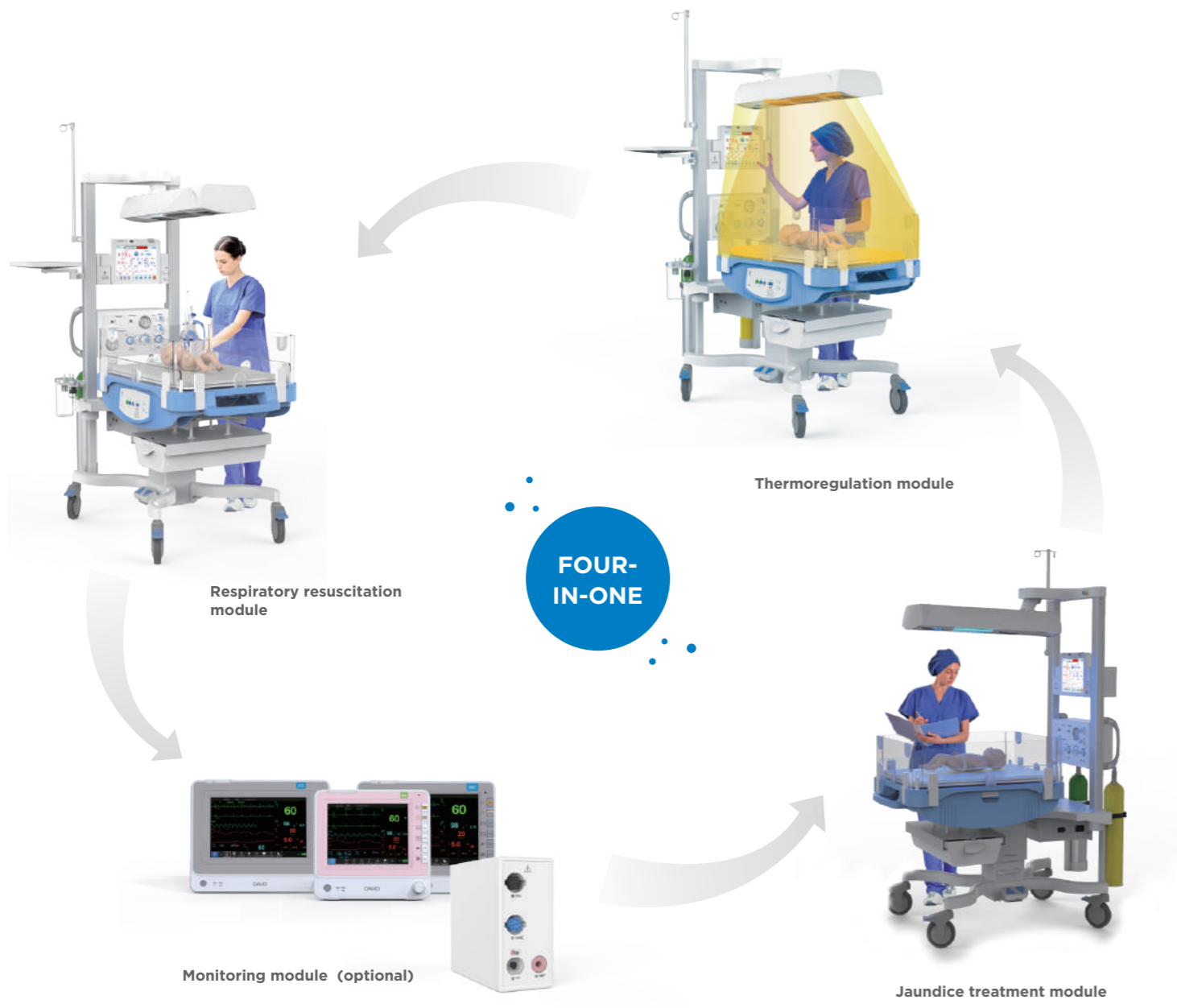
Tel: 0086-574-87800008 / 87800007

Fax: 0086-574-87803714

Web: www.nbdavid.com/en/ E-mail: sales@nbdavid.com

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Full-featured four-in-one emergency care system for escorting with love

Intelligent integration of thermoregulation + jaundice treatment + respiratory resuscitation + life monitoring

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

CONTINUOUS AND STABLE THERMOREGULATION



Five temperature servo control modes: Pre-warm mode, Manual mode, Baby mode, Kangaroo mode and Mattress temperature control modes.

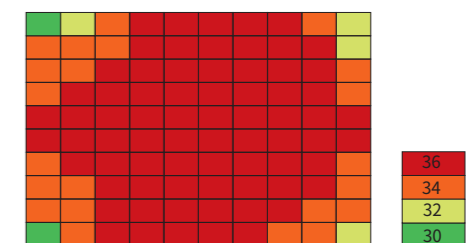
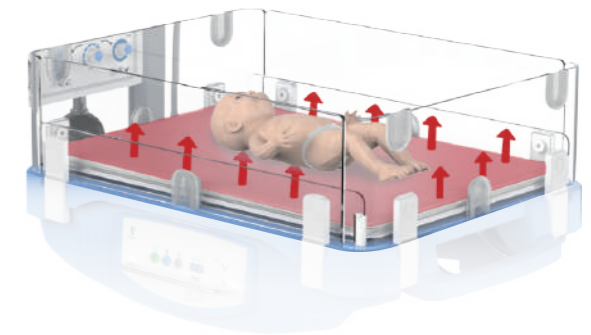


High-precision dual thermistor skin temperature sensor, with more accurate temperature monitoring.

Thermally conductive mattress

Built-in carbon fiber heating, independent servo control of the bassinet heat through the bed temperature sensor to improve the thermal performance and effectively maintain the body temperature of newborns.

Pressure-relief, waterproof, soft and breathable, thereby protecting the tender skin of newborns.



Efficient heat transfer by far-infrared radiation

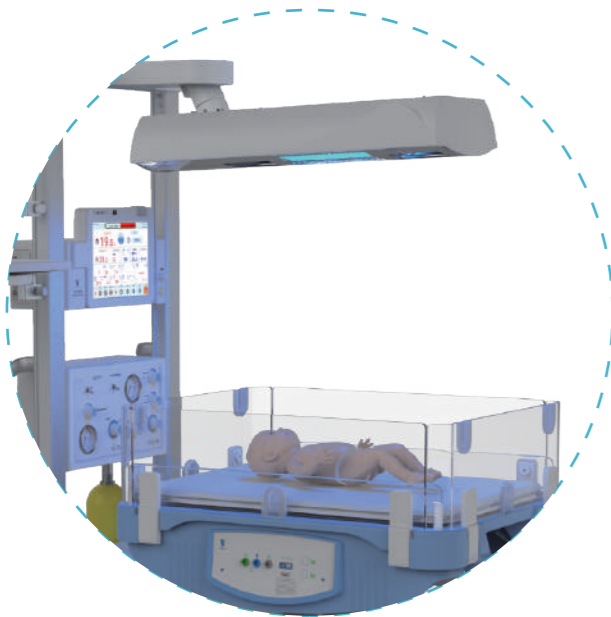
Cone angle swivel by $\pm 60^\circ$ to ensure that the irradiation light source is always focused on the bed surface.

Quartz material double heating tube design, fast heating speed, short rewarming time, efficiently converting into far-infrared radiation, easy to be absorbed by the skin, and maintaining the thermal balance of newborns.

High temperature resistance, high hardness, good thermochemical stability and long service life.

Parabolic reflector with high reflectance, with more concentrated radiation area, ensuring mattress to be evenly heated.

EFFICIENT AND PORTABLE FOR JAUNDICE TREATMENT



- Intensive phototherapy, using Blue 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.

Effective service life of LED light: 50000 hours.

Light treatment time accumulation and single treatment time display enable medical staff to replace the irradiation light source in time, so as to ensure the effect of phototherapy.

HKN-2500B
+XHZ-90S(fixed)



HKN-2500B
+XHZ-90S(movable)



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.

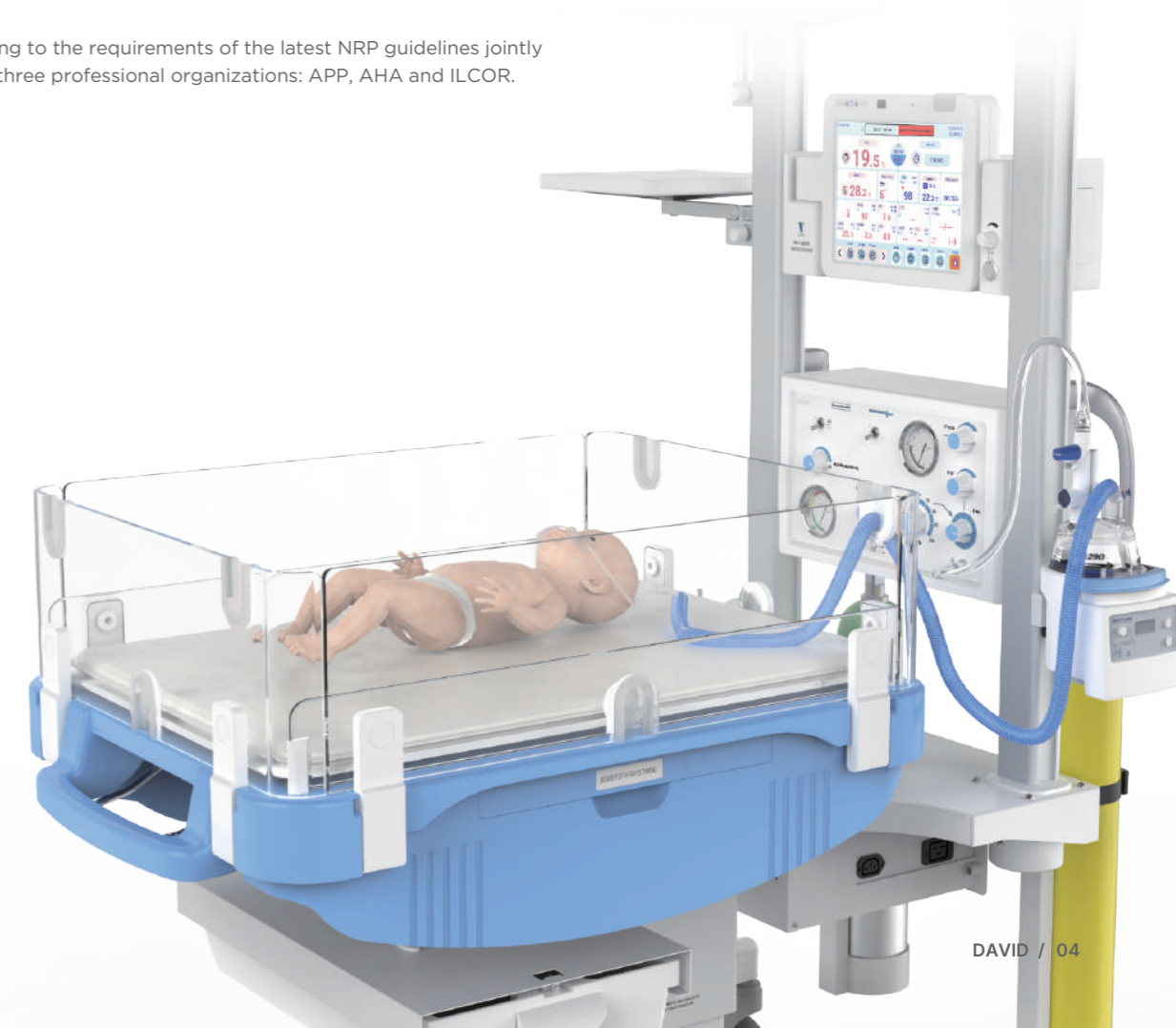
- Air/oxygen blender device

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.

- Designed according to the requirements of the latest NRP guidelines jointly published by the three professional organizations: APP, AHA and ILCOR.





SAFE AND COMFORTABLE TREATMENT ENVIRONMENT

Optional

REAL TIME COMPREHENSIVE LIFE MONITORING



■ 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 Rainbow SpO2 pulse oximetry monitoring system

- ① Effectively eliminate movement interference and improve the measurement performance under low perfusion and body movement states¹.
- ② Significantly reduce the incidence of severe retinopathy of prematurity (ROP)².



■ ECG monitoring

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



■ SunTech 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 CO2 monitoring

Provides two measurement methods: mainstream and external side flow to monitor CO2 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.



■ The first infant radiant warmer with kangaroo care

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

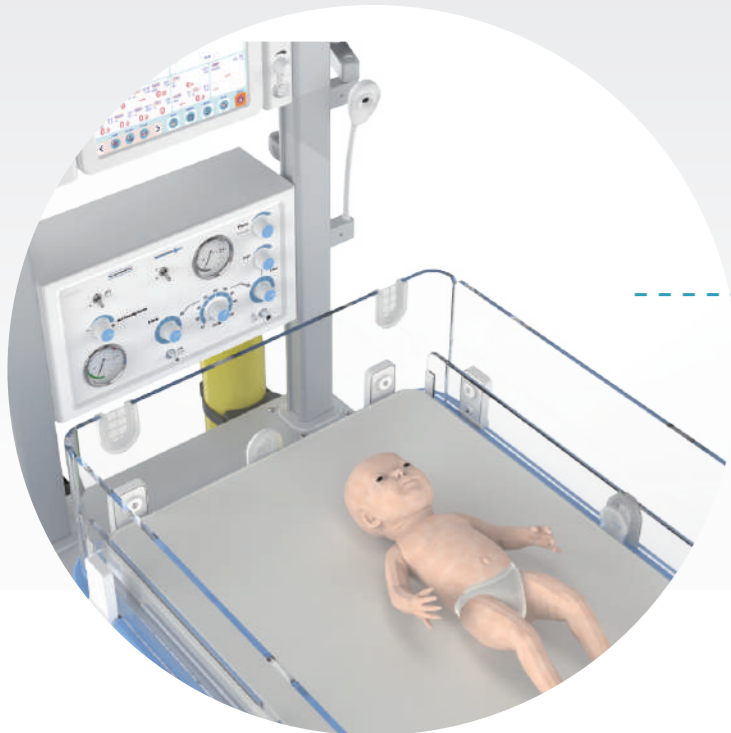


■ One-button electric control bassinet can be adjusted smoothly and tilted at multiple angles, which can effectively reduce the spitting up of newborns.

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

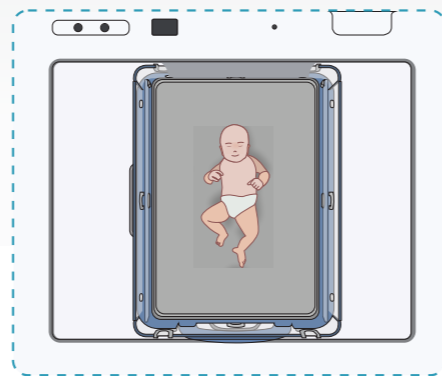


1 <Performance of Three New-Generation Pulse Oximeters during Motion and Low Perfusion in Volunteers.> Shah N., Ragaswamy H.B., Govindugari K., Estanol L. J Clin Anesth. 2012 Aug;24(5):385-91.
 2 <Castillo et al. Prevention of retinopathy of prematurity in preterm infants through changes in clinical practice and SpO2 Technology.> Acta Paediatr.2011 Feb;100(2):188-92



- Camera: capable of carrying out local imaging and video recording convenient for clinical review.

Optional



- Independent over-temperature protection system has a variety of fault sound and light alarm prompts, providing multiple safety protection.



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.

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



- 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



- LCD display

12.1-inch TFT color LCD touch screen, night mode setting, and automatic adjustment of screen brightness to reduce the impact of bright stimulation on newborns.

- 90° rotatable according to clinical needs, convenient for medical staff to observe and operate.

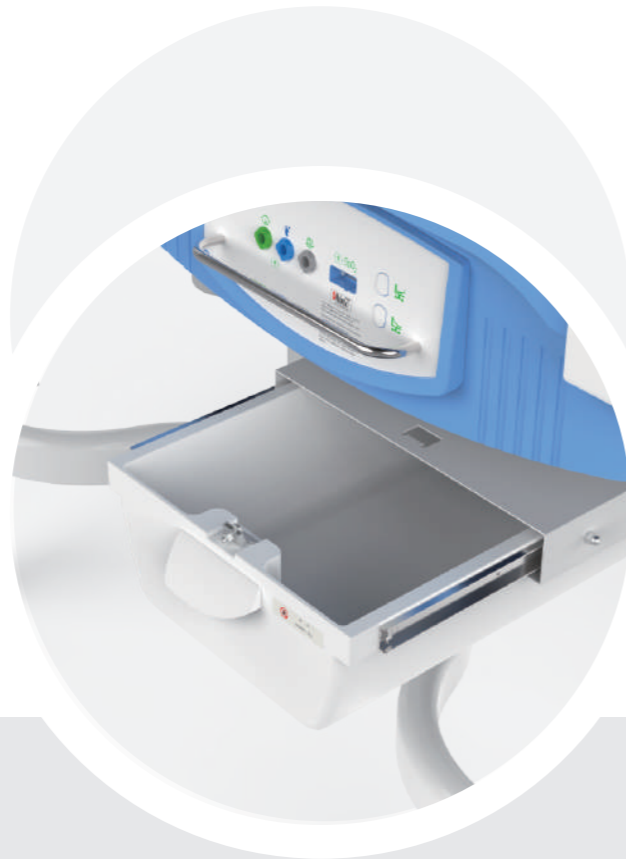




- Weighing system is convenient to measure the weight of infant and monitor the weight trend changes.

Optional

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

- Can be connected to the central air supply of the wall or directly install the air/oxygen cylinders.

Optional



- Infinitely adjustable illumination brightness

Provide even light covering the mattress, helping medical staff to observe and care even in a dark environment.

