

Endless love  
To Guard The New Life Safe



# YP-2200B

Infant Incubator



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## Infant incubator + neonatal monitor, more powerful functions.

We are not only committed to helping to establish a suitable cultivation and treatment environment, but also able to follow up monitoring of vital signs at all times to professionally create a comprehensive NICU solution.

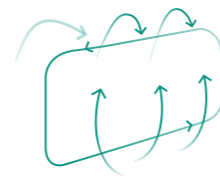
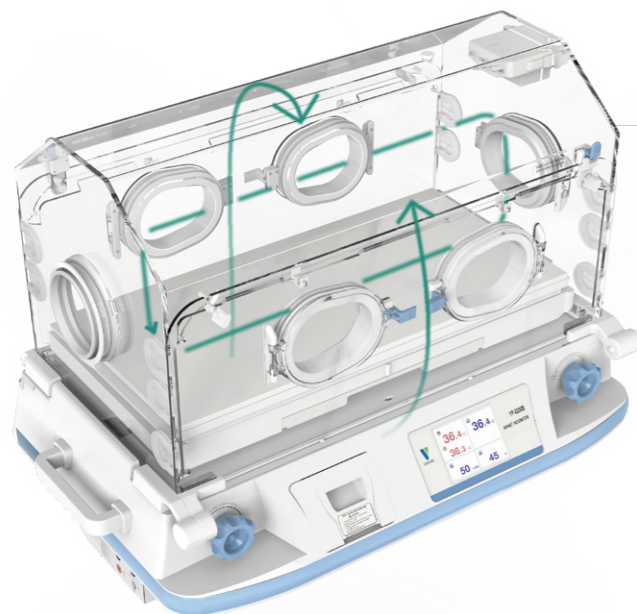
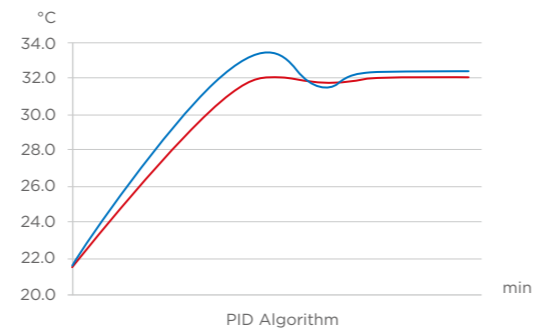
# 01. INFANT INCUBATOR MODULE

## Life care with love, starting from the newborns

### 01 Precise control and high-level simulation of maternal incubation environment

- Equipped with an embedded smart system and an Android display system. The updated PID core algorithm makes the temperature fluctuation in the incubator more uniform.

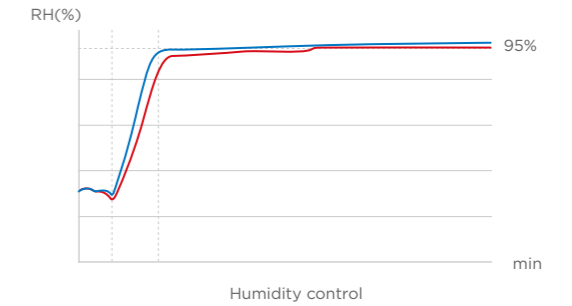
Traditional Algorithm      PID Algorithm



- In the scientific air circulation system with front-rear air outlet and left-right air return, the incubator will automatically form a vertical air curtain when the cabin door is open, thereby minimizing the heat loss.

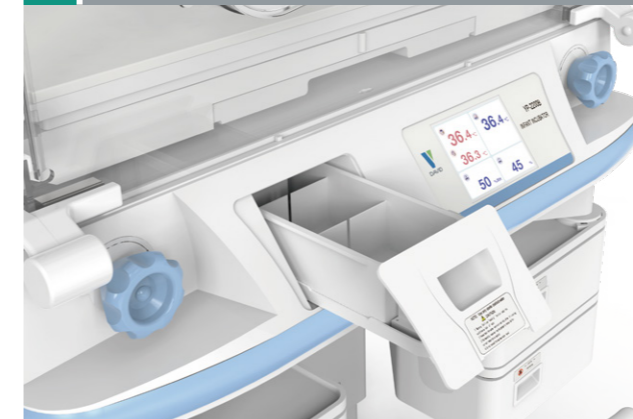
- Humidity sensor collects effective data in real time, quickly reaching 95% humidification effect.

David YP-2200B      Other brands



- Servo oxygen supply can be calibrated with single click (21% or 100%), and the oxygen concentration can be quickly increased to the set value.

### 02 Safe operation, committed to creating a bacteriostatic environment in the incubator



- The high-temperature steam humidification method is used to kill most of the common pathogenic bacteria in the water tank, greatly reducing the risk of infection.

The front drawer-type water tank can be taken out by medical staff as a whole to clean and disinfect without dead ends.



System protection

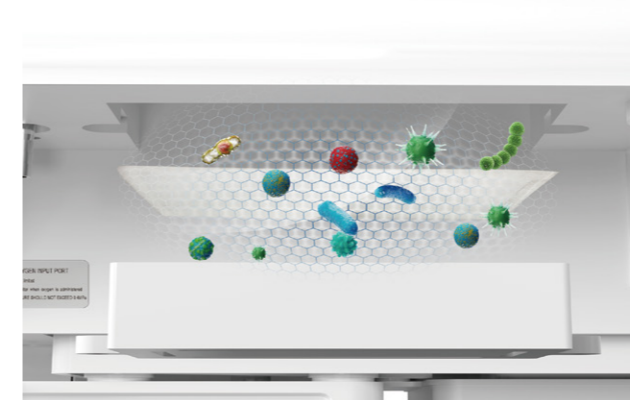


Hardware protection



Mechanical protection

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



- Built-in filtering device can effectively filter more than 99% of dust, creating an antibacterial environment in the incubator, and facilitating disassembling and replacement.

03 User-friendly design builds a comfortable treatment environment

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



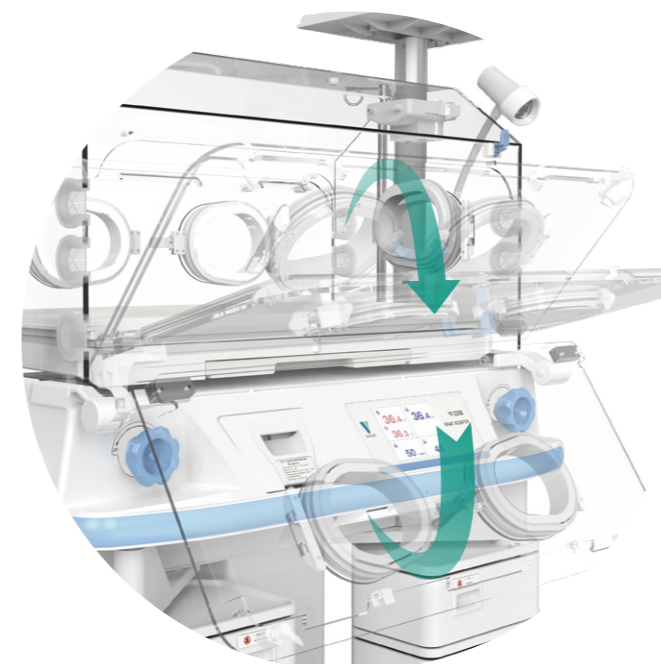
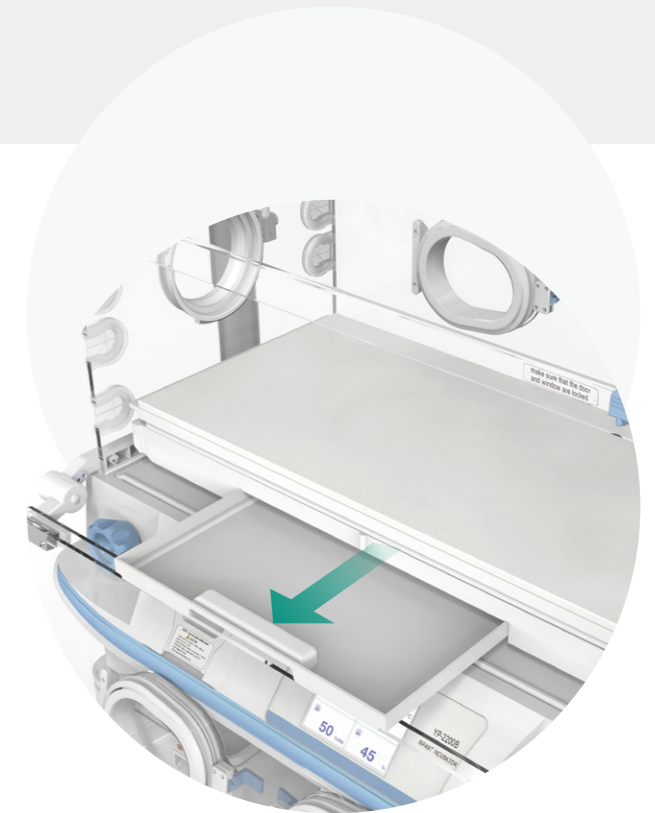
- Once the knobs on both sides are turned in place, the electric control bassinet can be smoothly tilted and adjusted at multiple angles, effectively reducing the spitting up of newborns.

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



- Brushless DC motor is used to effectively reduce the noise in the incubator ( $\leq 45\text{dB (A)}$ ) and provides a comfortable treatment environment.

- The X-ray cassette can be placed under the bassinet, eliminating the need to move the newborns and reducing the risk of infection.



- Panel damping system, panels fall silently without holding.

Optional

# Help with love, starting from care

## 01 Human-machine interaction for efficiently simplified clinical care procedures

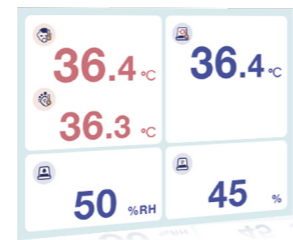
- Dual-screen display, more convenient operation  
External 12.1-inch TFT color touch screen, 360° adjustable angle, clearly visible from a long distance, with fast switching between multiple languages, convenient for medical staff to observe and operate.

Night mode can be set to reduce the impact of light stimulation on newborns.

Built-in 5.6-inch color LCD screen, with display function of incubator temperature, skin temperature, humidity and oxygen concentration.



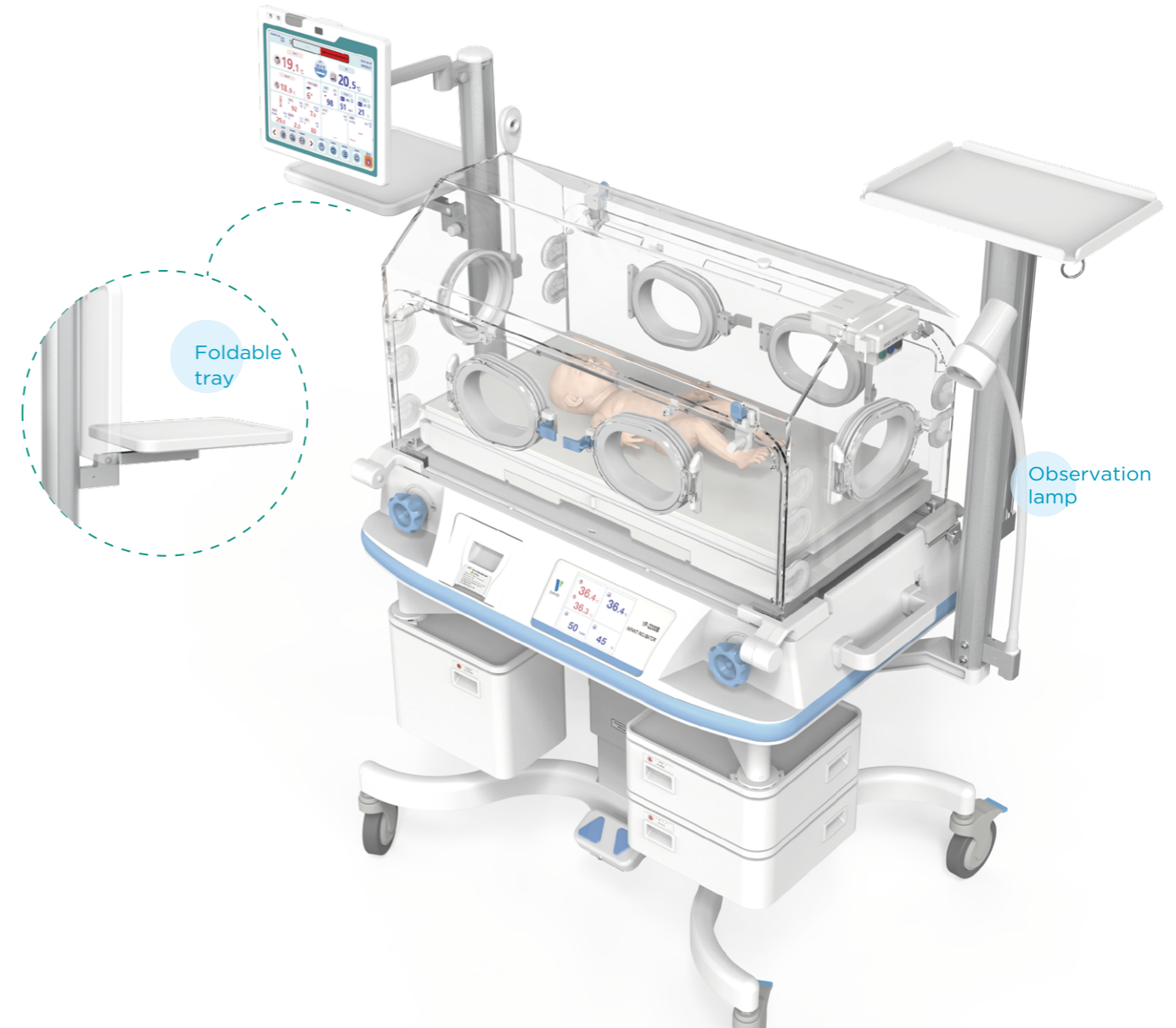
External 12.1-inch TFT color touch screen



Built-in 5.6-inch color LCD screen

- The hood body is made of acrylic material, which is colorless and environmentally friendly, transparent and visible, and medical staff can easily observe the treatment of children in the incubator from a distance;

One-piece injection molding, with smooth appearance, strong toughness and long service life, not easy to break.



Foldable tray

Observation lamp

- The flat skin temperature sensor probe is less liable to shedding.

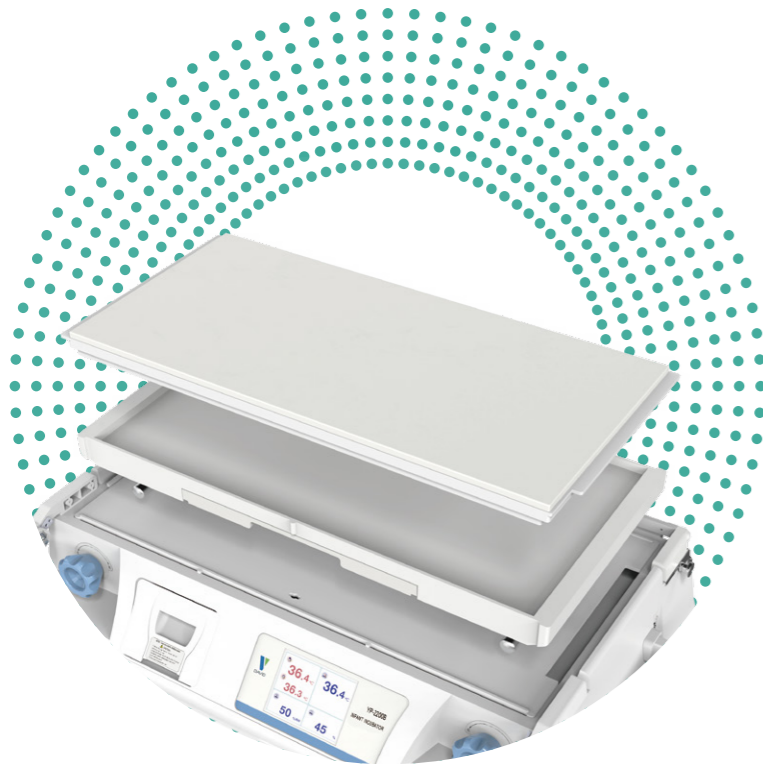


- The dovetail column on both sides is convenient for installing small medical devices at various angles and improves the space utilization rate.



- Double protection design to avoid accidental opening of the front door.
- Foldable tray for easy storage without disassembling.

## Empathy with love, starting from family



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

Optional

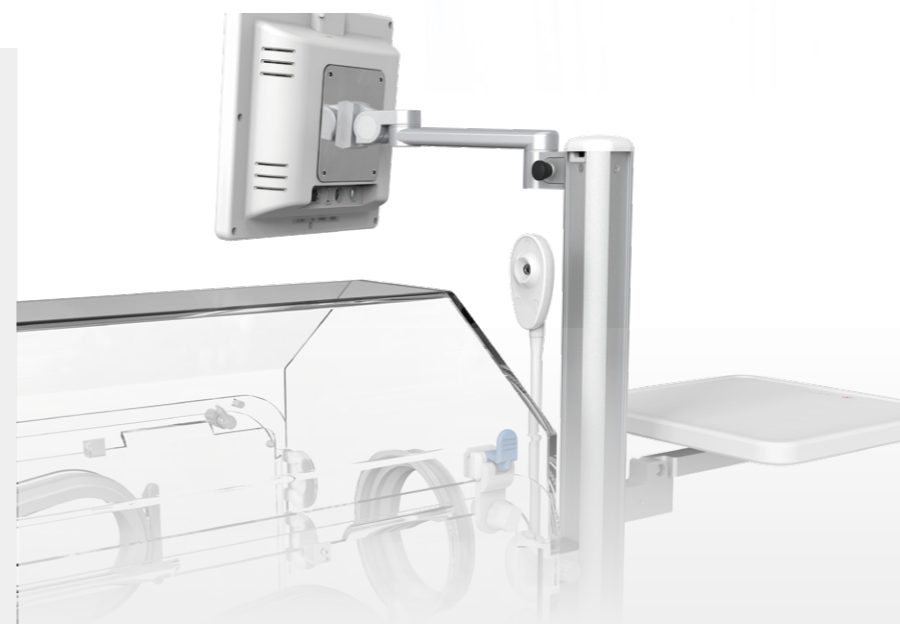


- The first domestic parent-child mode: effectively maintaining the temperature in the incubator, supporting kangaroo-style care, reducing parents' anxiety, and facilitating newborns' physical and mental development.

- The large-capacity swivel storage drawer is ergonomic, 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.



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

Optional



## 02. SPECIAL MONITORING MODULE FOR NEWBORNS Optional

**01** Developed for the newborns, starting from the heart



### ■ Masimo® SpO<sub>2</sub> pulse oximetry monitoring system

#### ■ 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.

- ① When combined with clinical assessment, the sensitivity of screening for critical congenital heart disease (CCHD) can be increased to 93%.
- ② It can significantly reduce the incidence of severe retinopathy of prematurity (ROP)<sup>1</sup>.
- ③ It can effectively eliminate movement interference and improve the measurement performance under low perfusion and body movement states<sup>2</sup>.



#### ■ ECG monitoring

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



#### ■ RESP respiratory monitoring

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



#### ■ SunTech® NIBP non-invasive blood pressure monitoring

It has double protection function of software and hardware.



#### ■ Masimo® 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 comprehensive protection to adopt early intervention for neonates at risk of apnea.

## CONFIGURATION TABLE

( ✓ Represents with this function, ▲ Represents optional function. )

Infant incubator module			
Controller	Dual-screen display: external 12.1-inch color touch screen + built-in 5.6-inch color LCD screen	Electric tilting system	✓
Temperature control mode	Air mode, baby mode, parent-child mode	Panel damping system	▲
Humidity control function	✓	Weighing function	▲
Oxygen concentration control function	✓	Camera function	▲
Skin temperature sensor	✓	Observation lamp	▲
>37 C temperature set function	✓	Ambient temperature and humidity monitoring function	▲
Vertical height adjustment stand	✓	Temperature overshoot	≤ 1.0 C
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, 50/60Hz, 1300VA		
Failure alarm	Power failure, fan, sensor, deviation, over temperature, wrong position of sensor box, wrong position of water tank, water shortage, system, SpO <sub>2</sub> , ECG, RESP, NIBP, CO <sub>2</sub> alarm, etc.		
Product dimensions	L1500mm × W675mm × H1650mm- 1800mm		
Product weight	117Kg		

<sup>1</sup> <Castillo et al. Prevention of retinopathy of prematurity in preterm infants through changes in clinical practice and SpO<sub>2</sub> Technology.> Acta Paediatr.2011 Feb;100(2):188-92  
<sup>2</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.