



**Advanced Infusion Therapy
at Fingertips**

InnoFusion IF-50 Infusion Pump

Born for the Excellent Touch Experience

With a 5-inch IPS capacitive touch screen, full visibility and high-definition display from all angles, IF-50 provides the best and most efficient touch experience, making every second of clinical practice more valuable.



Versatile All-in-one Infusion System

All-in-one Infusion System (Drug, Blood and Nutrition)

- Derived from the insights into clinical need, IF-50 is equipped with the versatile all-in-one infusion system to cater to various clinical purposes (Drug, Blood and Nutrition).
- Infusion flow rate ranges up to 2300 ml/h, fully meeting the emergency rescue needs of critically ill patients.



Intelligent Guidance for Medication Safety

SmartDrug™ Intelligent Drug Library

- Different electronic color labels customizable for different types of drugs based on clinical usage habits.
- SmartDrug™ supports adding common clinical drug parameters, enabling the automatic input of infusion parameters at one click on the pump.



Electronic Color Labels for Drug



13 infusion modes to comprehensively meet clinical infusion needs.



Flow rate range up to 0.10-2300.00 ml/h.



Powerful battery life for worry-free transport.



IP34 for powerful water and dust resistance.



Rapid software upgrade with one click.



Quiet operation for patient care.



Large history log storage capacity of up to 30,000 pieces.



Treatment records function for the auto-input of historical infusion parameters

• Dose Error Reduction System (DERS)

When the input drug dose set exceeds the preset safety threshold, IF-50 will restrict activation to ensure patient medication safety.



Modular Design for Versatile Applications

Free Combination, Flexible Expansion

IF-50/70 uses exquisite guide rail design for easy tool-free combination and flexible expansion.

Lift and Transfer with Ease

Reliable robust handle designed for transportation and emergency situations.

Infrared Recognition-driven Relay Infusion

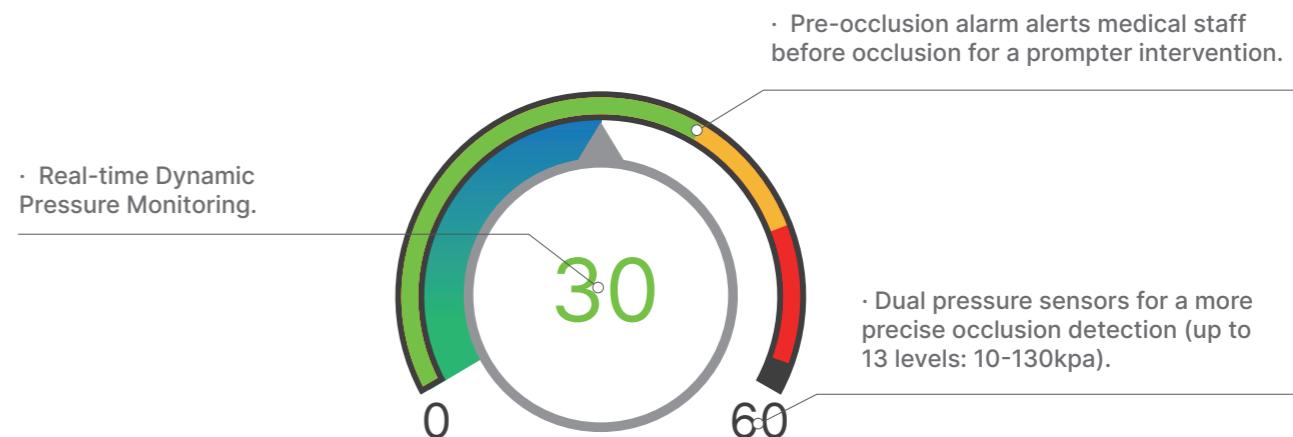
The advanced infrared recognition technology used empowers the relay infusion mode by eliminating the cable connection steps for a improved convenience and relay efficiency.



Ultimate Protection for the Safe Infusion

DPS Intelligent Occlusion Sensing System

IF-50 features advanced DPS intelligent occlusion sensing technology, which accurately detect changes in infusion line pressure and prevent the common occlusion issues.



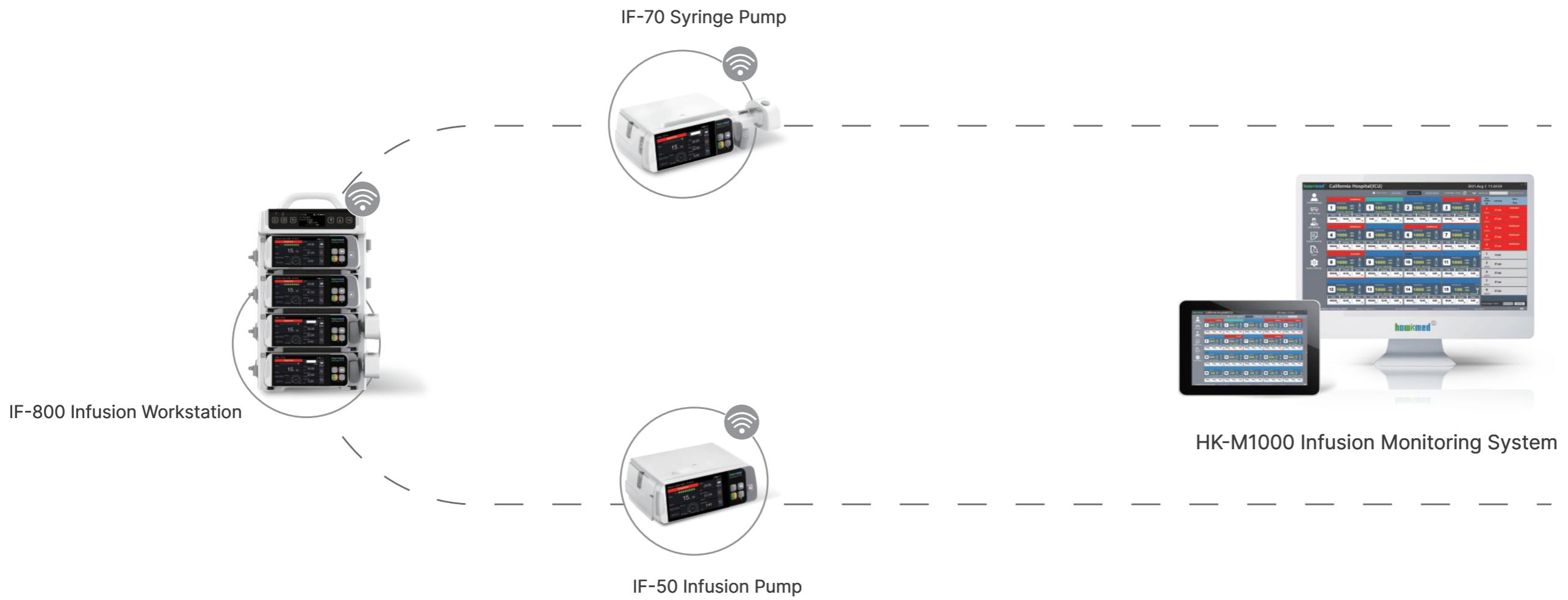
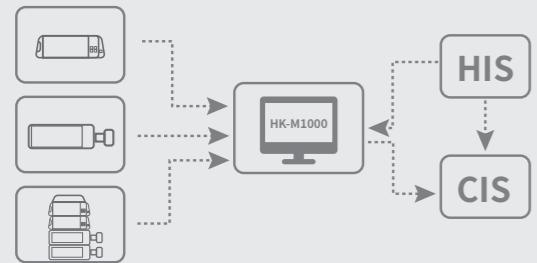
UltraAir™ Dual Ultrasonic Air Bubble Detection Technology

IF-50 utilizes the leading UltraAir™ technology, capable of detecting air bubbles as small as 15 μ l. With its accurate detection and warning capabilities, it can significantly reduce the risk of air embolism in patients.



Support Advanced Central Infusion Monitoring

- Operating status and parameters could be monitored in real-time.
- Infusion monitoring could be realized anywhere without spatial limitations.
- Promptly-delivered pump alarms of infusion completion and abnormalities.
- With the intelligent system interoperability, the interoperation between hospital HIS/CIS/other systems and the pumps can be achieved. (Through HL7 protocol).



Technical Parameter



Model	IF-50
Infusion mode	Rate Mode, Time Mode, Multi Mode, Drip Mode, Weight Mode, Dose Mode, Intermittent Mode, Sequential Mode, Program Mode, TPN Mode, Micro Mode, Piggyback Mode, Loading Dose Mode
Intended use	Drug, Blood, Parenteral/Enteral Nutrition
Applicable set	Various brands of infusion set
Accuracy	±5%
Infusion rate	Drug/Nutrition: 0.10-2300.00ml/h, Blood: 0.10-2000.00ml/h, Increment at 0.01ml/h
VTBI	0.10-9999.99ml, increment at 0.01ml
Volume infused	0.00-99999.99ml, increment at 0.01ml
KVO rate	0.10-5.00ml/h, increment at 0.01ml/h
BOLUS rate	0.10-2300.00ml/h, increment at 0.01ml/h
Air bubble detection	Dual ultrasonic air bubble detection sensor, 6 levels adjustable(15μl-800μl)
Occlusion pressure	Upstream and downstream pressure sensors, 13 levels adjustable (10kPa-130kPa)
History record	≥3,0000
Alarms	Upper Occlusion, Occlusion, Pre-occlusion, Almost done, Finished, Door Open, No external power, Low Battery, Battery exhausted, No Operation, Air bubble, Empty, Abnormal drip rate, Dedicated infusion tube error, Connection failure, Abnormal battery power supply, System Error
Features	Anti-reverse detection, Dual CPU, Anti-Bolus, Auto/manual prime, Automatic pump door, Drug library, Online titration, Wireless Relay Infusion, Treatment records, Key lock, Night mode, Stand by, Real-time tube pressure display, Pre-occlusion alarm, WIFI (Wireless infusion monitoring), Dedicated tube
Optional	Hand grip, Drip sensor
Screen	5-inch IPS capacitive touch screen, display area more than 6800mm ²
Relay infusion	Infrared-recognition technology-driven, wireless cascaded relay infusion between 2-4 pumps
Electrical classification	Class I Type CF
Ingress protection	IP34
Power consumption	35VA
Size	215 × 160 × 83 mm (L*H*W)
Net weight	1.8Kg
Power supply	AC: 100-240V 50/60Hz ; DC: 15V±10% 2.5A
Battery	DC 11.1V, Li-Polymer 4400mAh; More than 10 hours at 25.00ml/h
Operation conditions	Temperature: 5°C-40°C; Relative humidity: 10%-95%; Atmosphere pressure: 57.0-106.0 kPa;
Transport conditions	Temperature: -30°C-+70°C; Relative humidity: 10%-95% (no frosting); Atmosphere pressure: 50.0kPa-106.0kPa
Storage conditions	Temperature: -30°C-+70°C; Relative humidity: 10-95% (no frosting); Atmosphere pressure: 50.0kPa-106.0kPa