

Customized Configuration



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P/N:ENG-ViCare U7-210285X12P-20260709

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ViCare U7

Veterinary Intensive Care Cabin

Complete ICU Care In One Cabin

companion animal



ViCare U7

The first fully-integrated life support platform that combines environmental control, infusion, monitoring and video surveillance. Oxygen therapy, temperature control and fluid management help stabilize critically ill animals. Real-time electronic monitoring and live streaming video ensure continuous evaluation of patient status. Moreover, clinical monitoring is linked to environmental parameters to adapt conditions to the patient needs and ensure a "Complete ICU Care in One Cabin".



4 Major Functions in One Cabin



3 Intensive Therapies in One Cabin

Oxygen Therapy

Clinical Recommended Oxygen Concentration^{[1][2]}

- **Initial Emergency Treatment: 90% - 100%**
- Severe Hypoxemia ($\text{SpO}_2 < 90\%$) : >50%
- Mild Hypoxemia ($\text{SpO}_2 < 94\%$) : 30% - 40%



Fast Oxygen Mode

Raise the oxygen concentration inside the cabin to 40% within 2 minutes.



90% High-concentration Output

Suitable for rapid oxygen support in emergency patients, meeting oxygen therapy needs of various patient conditions.



SpO₂-linked Oxygen Control

- Real-time tracking of blood saturation
- One click adjustment of target O₂ concentration

Smart Adjustment Prompts

Detect patient $\text{SpO}_2 < 95\%$, recommend adjusting oxygen concentration to 50%

Adjust Immediately

Ignore

Oxygen-saving

Oxygen supply automatically pauses when the door is opened and instantly resumes once closed, reducing oxygen consumption.

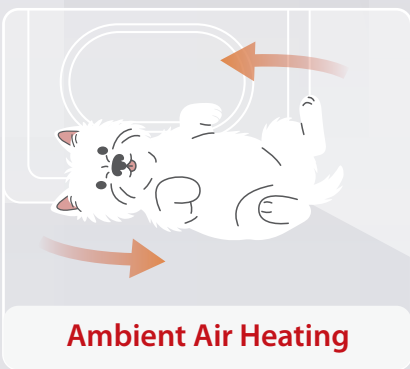
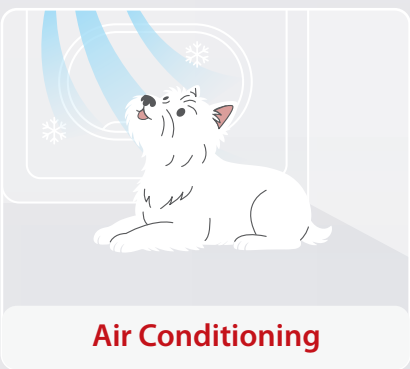


Open Door

Close Door

Temperature Therapy

Air conditioning, floor heating & ambient air heating, a triple temperature control for all scenarios.



Smart Linked Temperature Control Technology

- Real-time tracking of animal body temperature
- One click adjustment of target environmental temperature

Smart Adjustment Prompts

When the patient's body temperature is detected below 36.7°C, it is recommended to set air temperature to 28°C and floor temperature to 28°C.

Adjust Immediately

Ignore

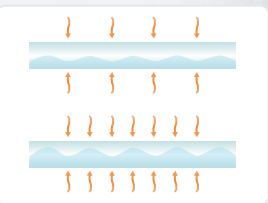
Infusion Therapy



Hypothermia is a common complication of anesthesia and a frequent condition in critically ill patients. Warming infused fluids help restore body heat and maintain animal's temperature. Active core rewarming via fluid warming is recommended when body temperature is below 33°C.



Built-in infusion pump reduces clutter from scattered IV set



Smart heating adjusts temperature with infusion rate for steady infusion temperature



[1] Manning, A. M. (2007). Oxygen therapy and toxicity. In L. G. King & A. Boag (Eds.), BSAVA manual of canine and feline emergency and critical care (2nd ed., pp. 190–198). British Small Animal Veterinary Association.
[2] Court, M. H., Dodman, N. H., & Seeler, D. C. (1985). Inhalation therapy: Oxygen administration, humidification, and aerosol therapy. Veterinary Clinics of North America: Small Animal Practice, 15(5), 1041–1059

2 Layers of Patient Monitoring in One Cabin

- Anesthesia-related deaths occur in the post-operative period in 47% and 60% of dogs and cats respectively, with the majority happening within the first 3 hours.
- Intensive care requires continuous monitoring of patients' physiological parameters, such as HR/RR, SpO₂, blood pressure and body temperature, which is also necessary for critically ill patients with little to no mobility.

1 Wireless Monitoring





Modular design, different modules meet different clinical scenario requirements



Free from cable constraints, facilitating out-of-chamber care by medical staff



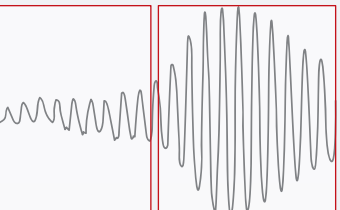
Wearable design easy to put on and off

Accurate Measurement

Animal-specific anti-motion and weak signal detection algorithms provide accurate monitoring and measurement for veterinary hospitals. Support to continuous measurement of body temperature, HR, NIBP, SpO₂, ECG.

NIBP

Animal-specific algorithms; weak signal detection method, anti-interference technology

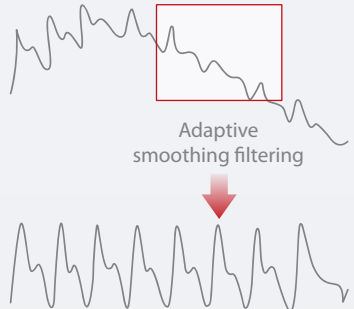


Weak signal detection Weak signal amplification

SpO₂

Anti-low perfusion, anti-motion technology

Pulse rate as adaptive filter factor

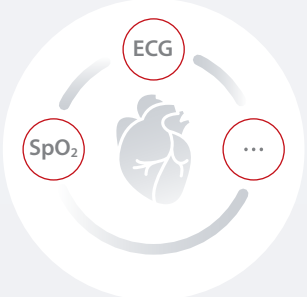


Adaptive smoothing filtering

ECG

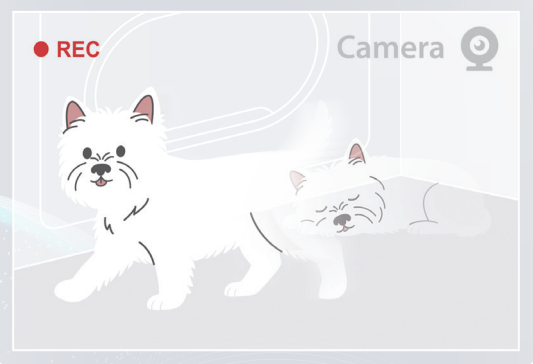
CrozFusion™ ECG SpO₂

Intelligent multi-parameter fusion



2 Video Surveillance

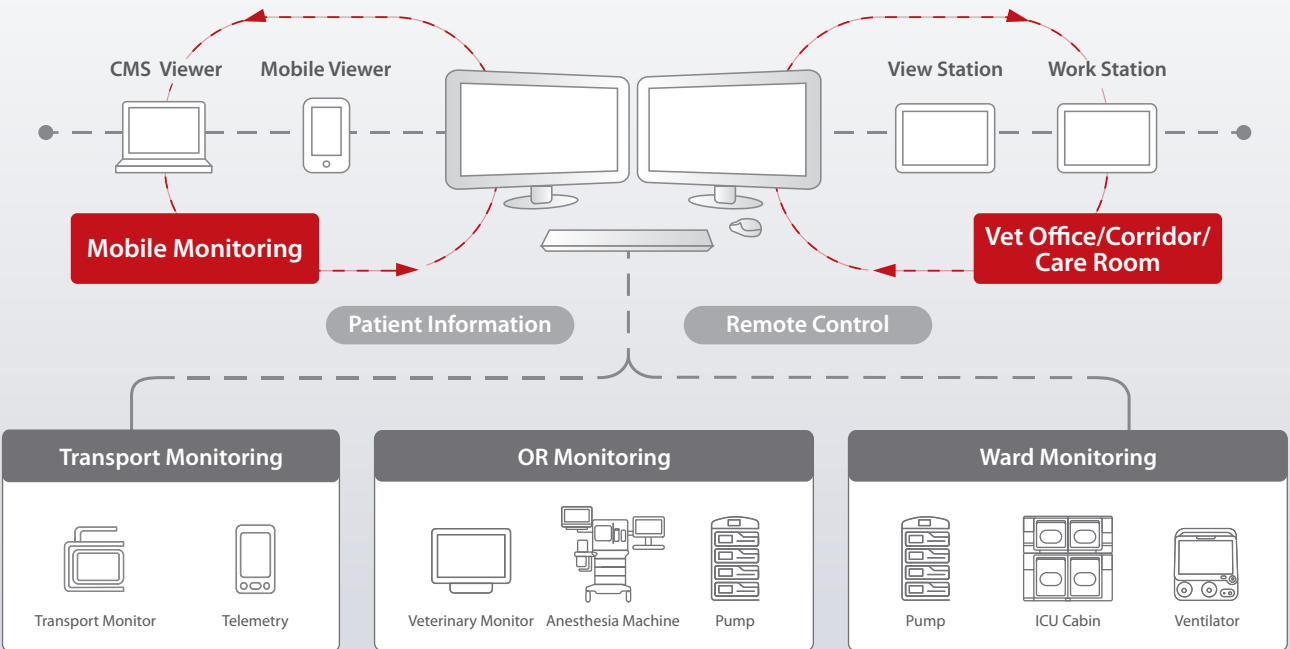
- Integrated camera enables remote viewing
- Patient can be left undisturbed with the help of curtains, while maintaining surveillance





1 System for Centralised Management

Supports connection to the VetNet CMS central monitoring system, enabling veterinarians and nurses to view animals' physiological signs, status and trend changes in real time via connected desktop computers and mobile devices.



[3] Court, M. H., Dodman, N. H., & Seeler, D. C. (1985). Inhalation therapy: Oxygen administration, humidification, and aerosol therapy. Veterinary Clinics of North America: Small Animal Practice, 15(5), 1041–1059

Amazing Design Details Throughout

High-temperature Vaporized Humidification

Same design as NICU incubators

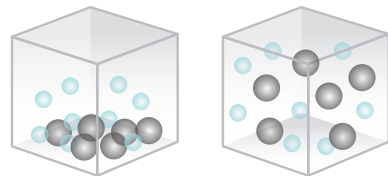
Industry-first high-temperature steam sterilization technology, with incubator-grade design, suppresses bacterial growth and limescale buildup at the source.



ViAir Circulation Control Technology



Large-capacity soda lime canister & air duct design for efficient CO₂ elimination.



ViCare U7
Internal Gas Distribution

In-cabin air circulation ensures uniform gas distribution and prevents CO₂ buildup at the bottom.

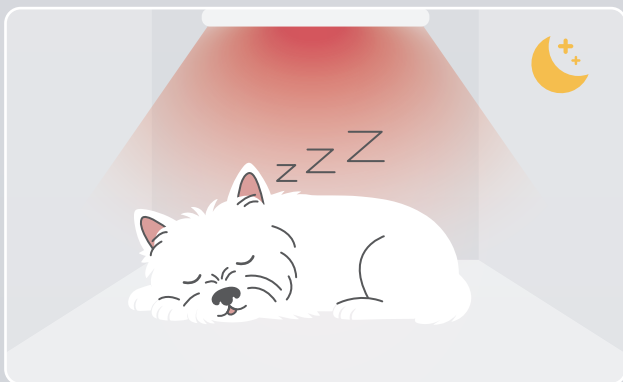
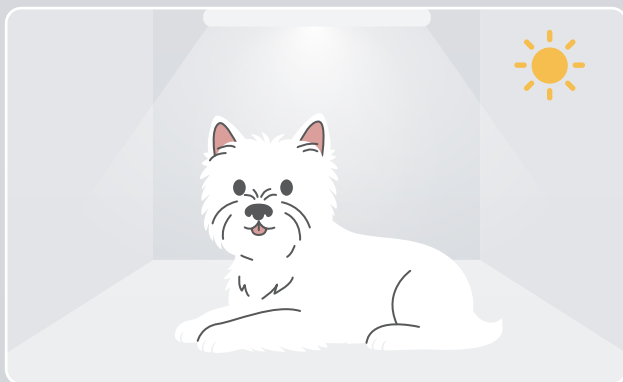
● O₂ ● CO₂



Caring Ambient Lighting

Red & white light auto switch on a timer

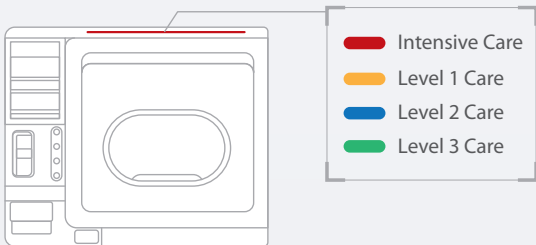
Auto-switching between red and white lighting does not disrupt animals' circadian rhythms, supporting recovery.



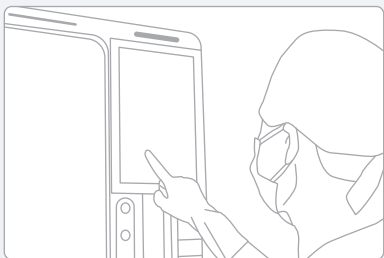
Intuitive Design

4-level Care Indicator Light

Clear at a Glance



Capacitive Touch Screen



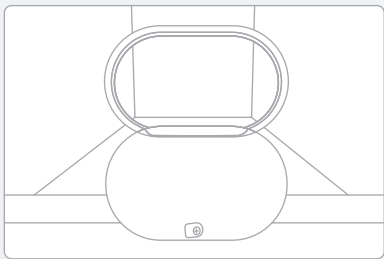
Electric Suction Door

Hands-free Operation



Operation Window

Supports Two-handed Manipulations



Safeguard Design

Built-in safety battery allows for door access within 2 hours after power outage

Equipped with quick-opening mechanical switch for rapid door opening

Emergency vents open automatically during power outage or when O₂ concentration < 18% or CO₂ exceeds the alarm value

Gas-electrical Isolation
Meet fire prevention requirements for oxygen-enriched environments

Multi-CPU system architecture ensures continuous and stable equipment operation

5-layer
Safeguard
Design