# Feature of product

The device adopts technologies such as microcomputer control and digital scanning converter (DSC), large dynamic broadband low-noise preamplifier, logarithmic compression, dynamic filtration, edge enhancement etc. to ensure legible, stable and high resolution images.

Display modes: B, B+B, 4B, B+M, M

Gray scales : 256

Realize real time image display, frozen, zoom, store, up/down left/right reversal and Cine-loop. Multi-level scanning depth to choose, dynamic range, frame parameter adjust and focuses, focus location move. 16 body marks.

Comment : date & time, annotation, distance, circumference, area, volume.

USB 2.0 for real-time picture uploading to PC.

Power supply mode of built-in Li-ion chargeable battery of 11.1V, the power saving mode to enable more lasting battery operation.

Jet molding enclosure with hand-held structure makes it convenient for out diagnoses.

Standard Configuration: Main unit + CXA/50R/3.5MHz Convex Probe.

Options: 6.5MHz Rectal Probe, CXA20R/5.0MHz Micro-convex Probe.

# Product details introduction

**Scope of application**

It is suitable for animal diagnosis such as pigs, horses, cattle, sheep, cats and dogs.

### Technical specifications

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 型号 Type | | EC7000AV | | |
| Probe | | 6.5Mhz Linear Rectal Probe | 3.5Mhz Convex Probe | 5.0Mhzmicro-Convex Probe |
| Scanning Depth(Mm) | | ≥80 | ≥140 | ≥90 |
| Resolution  (Mm) | Lateral | ≤1( Depth ≤60) | ≤3( Depth ≤80)  ≤5(80＜ Depth ≤130) | ≤3( Depth ≤60) |
| Axial | ≤1( Depth ≤80) | ≤1( Depth ≤80) | ≤1( Depth ≤60) |
| Blind Area (Mm) | | ≤3 | ≤6 | ≤5 |
| Geometric  Position  Precision(%) | Horizontal | ≤5 | ≤7.5 | ≤7.5 |
| Vertical | ≤5 | ≤5 | ≤5 |
| Monitor | | 5.6 Inch Tft-Lcd | | |
| Display Modes | | B,B+B,B+M,M,4B | | |
| Gray Scales | | 256 | | |
| Image Permanent Storage | | 64 Frames | | |
| Cine-Loop | | ≥400 Frames | | |
| Scanning Depth | | 70mm-240mm | | |
| Image Conversion | | Up/Down, Left/Right | | |
| Body Marks | | 16 | | |
| Image Process | | Faked Color, Gray Calibration, Image Smooth And Histogram. | | |
| Frequency Adjustment | | 3 | | |
| Frame Correlation Adjustment | | Support | | |
| Measuring Functions | | Distance, Circumference, Area, Volume, Ef Rate | | |
| Comment | | Date & Time, Full Screen Character Editing | | |
| Output Connector | | Usb2.0 | | |
| Time To Empty | | >3 Hour | | |
| Battery Capacity | | 3000mah | | |

### Standard Configuration

Main Unit

Battery

CXA/50R/3.5MHz Convex Probe

Adapter

Power Connection

User’s Manual

Inspection Report

Warranty Card

### Optional Configuration

6.5MHz Linear Rectal Probe

CXA20R/5.0MHz Micro-Convex Probe