



PRODUCT CATALOG

Portable Ultrasound System



www.bxlvet.com

COMPANY INTRODUCTION

Founded in 2014, Zhengzhou Boxianglai Electronic Sci-tech Co., Ltd. is a scientific & technological company integrating research, production, sales & service. The company mainly provides veterinary imaging devices. The company starts overseas marketing dept. since 2018. Now the company has been well received by users at home and abroad.

Boxianglai veterinary B-ultrasound device is mainly used for pregnancy and disease testing of pigs cattle, sheep, camels, alpaca, and small animals. The company has high-quality scientific research and management personnel with improved equipment.

Through international cooperation, the company introduces the advanced technology of B-ultrasound devices and imaging. The company now is the long-term partner of EI and IMV in the domestic market. The company is committed to building the future leader of China's veterinary imaging industry.

PATENTS & CERTIFICATIONS



BXL-V50 PORTABLE VETERINARY B-ULTRASOUND

Functions:

- Detection of pregnancy, number of fetuses
- Gestational week and expected date of delivery, distance circumference, area, volume, heart rate, fetal weight of swine, cattle, goat, horse, camel, and sheep;
- Detection of swine & bovine backfat thickness;
- Obstetric disease detection;
- One-key automatic detection of backfat function;

Application:








Feature:

- Equipped with shading cover, suitable for outdoor daily use.
- Visual design, symmetrical double key design, freely switch of hands use.
- 8.0" HD LCD display with high brightness and contrast, widely viewing angle.
- Humanized cross belt and lightweight design (net weight only 1.20kgs), significant reduction of operation fatigue.
- 10 kinds of grid settings and quick measurement function. (distance / perimeter / area / volume / heart rate / cycle / conventional heart / backfat / lean meat rate...)
- Body position markers: Not less than 45 kinds of animal body position markers (bovine / equine / sheep / goat / swine / camel / cat / dog...)



Product Parameters:

Imaging Modes	B, M, 2B, B/M, 4B	Probes Optional With Specification (Standard Kit Include 6.5Mhz Rectal Linear Probe)		
Scan Frame Rate	60 frames / second		Type	Rectal Linear Probe
Digital Channels	16 Channels		Center Frequency	6.5Mhz
Dust And Splash Proof	IP56-Host / IP67-Probe		Frequency Adjustment	5.5 - 9.0Mhz
Storage Capacity	16GB		Scan Depth Range	62 - 173mm
Image Storage	1000+ frames		Type	Rectal Convex Probe
Image Export Function	Support		Center Frequency	3.5Mhz
Storage Expand Function	Support U disk / TF card (with Reader)		Frequency Adjustment	2.0 - 5.0Mhz
Display	8" HD LCD Screen (800*600 Pixel)		Scan Depth Range	111 - 270mm
Cine Loop	Support (≥256 Frames)		Type	Convex Probe
Pseudo Color	8 Kinds Support		Center Frequency	3.5Mhz
Body Remark	45 Kinds Support		Frequency Adjustment	2.0 - 5.0Mhz
Battery Life	6 - 6.5 Hours (single battery)		Scan Depth Range	111 - 270mm
Charging Options	DC Power Adapter		Type	Sheep / Goat Rectal Probe
Dimension (Packaged)	520 x 200 x 440mm		Center Frequency	6.5Mhz
Weight (Host)	1.20 KGS		Frequency Adjustment	5.5 - 9.0Mhz
Weight (Packaged)	5.75 KGS		Scan Depth Range	62 - 173mm
Packaging	High Strength Anti-damage Protection Box			

BXL-V60

PORTABLE VETERINARY B-ULTRASOUND

Functions:

- Detection of animal pregnancy, number of fetuses clear and easy to operate with special video glasses;
- Detection of back fat, eye muscle area and lean meat rate;
- One-key automatic detection of backfat function;
- Gestational week and expected date of delivery, distance circumference, area, volume, heart rate, fetal weight of pigs cattle, goats, horses, camels, dogs, cats, and sheep;
- Detection of uterine diseases, ovaries, corpus luteum, follicular development, etc.

Application:








Feature:

- Equipped with shading cover, suitable for outdoor daily use.
- Visual design, equipped with a pair of 36 degree transmission light group glasses.
- 8.0" HD OLED screen display with high brightness and contrast, widely viewing angle.
- Humanized cross belt and lightweight design (net weight only 1.20kgs), significant reduction of operation fatigue.
- 10 kinds of grid settings and quick measurement function.(distance / perimeter / area / volume / heart rate / cycle / conventional heart / backfat / lean meat rate...)
- Body position markers: Not less than 45 kinds of animal body position markers (bovine / equine / sheep / goat / swine / camel / cat / dog...)



Product Parameters:

Imaging Modes	B, M, 2B, B/M, 4B	Probes Optional With Specification (Standard Kit Include 6.5Mhz Rectal Linear Probe)		
Scan Frame Rate	60 frames / second		Type	Rectal Linear Probe
Digital Channels	16 Channels		Center Frequency	6.5Mhz
Dust And Splash Proof	IP56-Host / IP67-Probe		Frequency Adjustment	5.5 - 9.0Mhz
Storage Capacity	16GB		Scan Depth Range	62 - 173mm
Image Storage	1000+ frames		Type	Back-Fat Probe
Image Export Function	Support		Center Frequency	3.5Mhz
Storage Expand Function	Support U disk / TF card (with Reader)		Frequency Adjustment	2.0 - 5.0Mhz
Display (Glasses)	80" Imaging OLED Glasses (1024*768 Pixel)		Scan Depth Range	111 - 270mm
Cine Loop	Support (≥256 Frames)		Type	Convex Probe
Pseudo Color	8 Kinds Support		Center Frequency	3.5Mhz
Body Remark	45 Kinds Support		Frequency Adjustment	2.0 - 5.0Mhz
Battery Life	7 - 7.5 Hours (single battery)		Scan Depth Range	111 - 270mm
Charging Options	DC Power Adapter		Type	Sheep / Goat Rectal Probe
Dimension (Packaged)	500 x 240 x 440mm		Center Frequency	6.5Mhz
Weight (Host)	1.20 KGS		Frequency Adjustment	5.5 - 9.0Mhz
Weight (Packaged)	8.18 KGS		Scan Depth Range	62 - 173mm
Packaging	High Strength Anti-damage Protection Box			

Wireless Ultrasound BXL-S100

• Technical Specifications

- 1.1 Waterproof and dustproof, waterproof rating IPX7; sturdy and durable
- 1.2 Fully digital wireless ultrasound system for animals, suitable for scanning cattle, sheep, horses, pigs, donkeys, camels, small animals, wildlife, etc.
- 1.3 Built-in lithium battery, working endurance ≥ 5 hours. Type-C data cable charging, supports wireless charging, car charging, fast charging, power bank supply
- 1.4 The main unit system comes with a Wi-Fi module for wireless transmission, 5G transmission
- 1.5 Wireless connection to display supports: tablets, smartphones, laptops, desktop computers. Display size, resolution can be selected
- 1.6 Free APP wireless display for the display, compatible with operating systems: Android, Windows
- 1.7 Inspection types: The software has built-in preset modes for inspection of embryos, ovaries, uteruses, urinary systems, back fat, and other parts corresponding to cattle, sheep, horses, pigs, donkeys, etc., and can select various modes for corresponding inspections and professional measurements. ≥ 30 inspection modes
- 1.8 Image display modes: B, 2B, 4B, B/M, M, and other display modes.
- 1.9 Harmonic imaging: Two gears Frequency: 5–10MHz Gain adjustment: 0–255 Dynamic range adjustment: 0–15 Transmit power: 0–3
- 1.10 Focus: 1–6 11-gear adjustment Deflection angle: $-5-5$ Three-gear adjustment
- 1.11 Scanning depth: Rectal linear array probe maximum depth ≥ 27 cm
- 1.12 Fragment gain: TGC eight segments adjustable, TGC can be adjusted with one button
- 1.13 System gray level: 256 levels, system dynamic range ≥ 180 dB, A/D conversion ≥ 12 bit
- 1.14 Number of channels: 16
- 1.15 Main unit probe: 6.5MHz rectal linear array
- 1.16 Body markers: Different parts of the body markers for cattle (embryos, ovaries, uteruses, urinary systems, back fat, buttocks, etc.), pigs (embryos, ovaries, uteruses, urinary systems, back fat, buttocks, etc.), goats (embryos, ovaries, uteruses, urinary systems, back fat, buttocks, etc.), water buffalo, sheep, alpacas, cats, dogs, etc., not less than 60 kinds of body markers
- 1.17 Measurement and analysis: Supports basic measurements such as distance, circumference, area, circular area, etc., equipped with a variety of professional obstetrics analysis software packages for animals, ≥ 30 kinds of animal obstetrics measurement types. Multiple measurement functions such as heart measurement
- 1.18 One-click measurement of back fat thickness function
- 1.19 Storage: Static image storage and preview, when saving images, body markers can be added to the image, dynamic movie image storage and playback ≥ 255 frames, expandable
- 1.20 Animal report: Can edit animal ear tag number, various states, etc., when saving this animal image, take photos of the animal to perform corresponding functions
- 1.21 Main unit rated input: DC9.0V 2.22A; Adapter output: DC9.0V 2.22A
- 1.22 Power: 100–240V~0.8A Frequency: 50–60Hz
- 1.23 Weight: Whole machine weight 300g (with probe)
- 1.24 Image frame rate: 60 frames/second
- 1.25 Main unit size: Approximately 174 × 70 × 28 mm (length × width × height);



Wireless Color Doppler Ultrasound BXL-200

• technical parameters

1.1. Whole machine is waterproof, dustproof, with waterproof level IPX7; sturdy and durable.

1.2. Fully digital wireless Doppler color ultrasound system for small animals, suitable for scanning cattle, sheep, horses, pigs, donkeys, camels, small animals, wild animals, etc.

1.3. Number of channels: 24.

1.4. Built-in lithium battery, working endurance ≥ 5 hours. Type-C data cable charging, supports wireless charging, car charging, fast charging, and power bank supply.

1.5. Ultrasound system scanning modes: B, 2B, 4B, B/M, M, and multiple display modes such as Doppler color ultrasound C mode.

1.6. Doppler color ultrasound C mode imaging: The accompanying probes all support color Doppler imaging, with probe color Doppler frequency ≥ 3 groups.

1.7. Color Doppler sampling frame angle adjustable $\geq \pm 15$ degrees, color gain ≥ 255 dB.

1.8. The host system comes with a Wi-Fi module to realize wireless transmission mode, 5G transmission.

1.9. Wireless connection monitor supports: tablet, smartphone, laptop, desktop computer. Monitor size and resolution are optional.

1.10. Monitor installation with free APP wireless display, APP compatible operating systems: Android, Windows.

1.11. Grayscale of the system: 256 levels, system dynamic range ≥ 180 dB, A/D conversion ≥ 12 bit.

1.12. Segment gain: TGC eight-segment adjustable, TGC can be adjusted with one key.

1.13. Operating interface available in Chinese and English.

1.14. Scanning depth: Rectal linear array probe maximum depth ≥ 27 cm.

1.15. Host probe: Rectal linear array.

1.16. Harmonic imaging: two gears Frequency: 5–10MHz Gain adjustment: 0–255 Dynamic range adjustment: 0–15 Transmit power: 0–3.

1.17. Focus: Harmonic imaging: two gears Frequency: 5–10MHz Gain adjustment: 0–255 Dynamic range adjustment: 0–15 Transmit power: 0–3.

1.18. Measurement and analysis: Supports basic measurements such as distance, perimeter, area, circular area, etc., equipped with various professional obstetric analysis software packages for multiple animal species, with ≥ 30 kinds of animal obstetric measurement types. Various measurement functions such as heart measurement.

1.19. Grid setting quick measurement function, 12 grid quick measurement display.

1.20. One-key measurement of back fat thickness function.

1.21. Examination types: The software comes with preset modes for examination of embryos, ovaries, uterus, urinary system, back fat, and other parts corresponding to cattle, sheep, horses, pigs, donkeys, etc. under different animal categories, allowing selection for corresponding examinations and professional measurements. Fixed corresponding host parameters under each mode. ≥ 30 examination modes.

1.22. Body markers: Cattle (embryo, ovary, uterus, urinary system, back fat, hips, etc.), pigs (embryo, ovary, uterus, urinary system, back fat, hips, etc.), goats (embryo, ovary, uterus, urinary system, back fat, hips, etc.), water buffalo, sheep, alpaca, cats, dogs, and other animals have different body markers for different parts, not less than 60 kinds of body markers.

1.23. Storage: Storage and preview of static images, adding body markers when saving images, storage and playback of dynamic cine images ≥ 255 frames, expandable.

1.24. Animal reports: Edit animal ear tags, various statuses, etc., when saving animal image pictures, use the photographed animal pictures for corresponding functions.

1.25. Host rated input: DC9.0V 2.22A; Adapter output: DC9.0V 2.22A.

1.26. Power supply: 100–240V \sim 0.8A Frequency: 50–60Hz.

1.27. Weight: Total weight of the machine 350g (with probe).

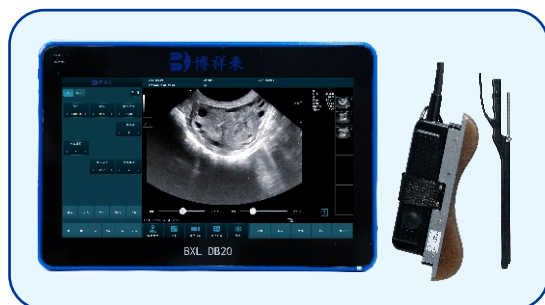
1.28. Image frame frequency: 60 frames/second.

1.29. Host size: 198 \times 70 \times 28 mm (length \times width \times height).

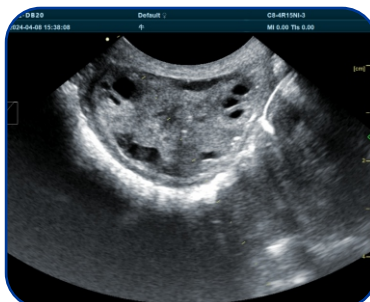


Technical Parameters

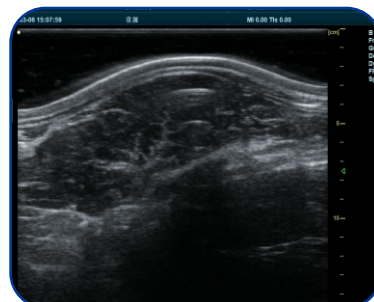
BXL-DB20



BXL-DB20 Back fat probe



OPU



Loin eye muscle

Adaptation Conditions	Waterproof,dustproof,drop-resistant	Probe Element Count	128 elements
ScreenSize	15-inch touchscreen	Resolution	1920*1080
Imaging Modes	Color Doppler imaging system, B, B/B, 4B, B/M (adjustable line position), M-mode, Tissue Harmonic Imaging (THI), Pulse Inversion Harmonic Imaging (iTHI), Tissue Specific Imaging (TSI), Convex Array Extended Imaging, Linear Array Steer/Trapezoidal Imaging, Puncture Enhancement, Color Flow (CF), Power Doppler Imaging (PDI), Directional Power Doppler Imaging (DPDI), Pulsed Wave Doppler (PW), Continuous Wave Doppler High Pulse Repetition Frequency (CW, HPRF), B+CF Real-time Dual Imaging, Color M-mode, B+PW, B+CF/PDI/DPDI+PW, CW		
System	Windows 10	Image Relative Tilt Angle	Adjustable 0 degrees, 180 degrees, 270 degrees
Scan Types	Normal, compound extended etc.	Image Grayscale	256
Animal Body Markers	24 types	Wireless Connectivity	Wireless image transmission to mobile devices Bluetooth connection
Storage Function	Capable of storing images and videos	Measurement Calculation Package	Animal-specific measurement package
Gain	Overall Gain: Adjustable from 1 to 100 ; Near Field Gain: Adjustable from 0 to 40 ; Far Field Gain: Adjustable from 0 to 95		
Ear Tag Function	Capable of RFID electronic ear tag scanning	Power Supply	AC 220V +10%, 50Hz 1
Expansion Ports	Two USB ports, 720p HDMI port, video glasses port, charging port, HDMI, video output, USB port, RJ-45/DICOM port, support inkjet, laser and video printers		
Scanning Depth	30cm	Battery	10000mAh
Software Language	Multiple languages available including English, Chinese, French, Spanish, etc.	Storage and Transport Environment	-20 C to +60 C
Optional Probes	BXL3.5L15A: 16cm back fat eye muscle dedicated probe BXL6.5L128A: Animal rectal probe BXL7.5MHZR15: 7.5MHz microconvex probe BXL6.0MHZR15: 6.0MHz microconvex probe BXL-P7-3/P10: Phased array probe BXL7.5MHzL40: 7.5MHz high frequency linear array probe BXL3.5MHzC5 -2/R60: 3.5MHz large convex probe		

BXL-V10

PORTABLE VETERINARY B-ULTRASOUND

Functions:

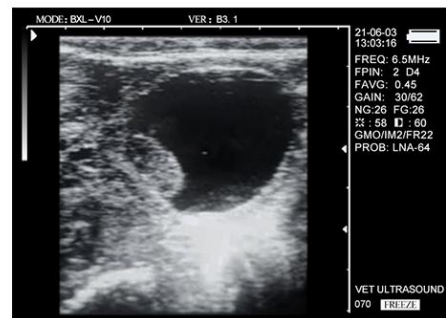
- Detection of pregnancy
- Gestational week and distance, circumference area, volume, expected date of confinement (EDC) for bovine, equine, swine, buffalo, sheep, goat, dairy cow, donkey;

Application:








Feature:

- Maximum image storage for 128 frames with 400 frames cine loop function support.
- Visual design, image could be flipped up / down, left / right, freely switch of hands use.
- 5.6" HD LED screen display with 5 display mode support (B / 2B / 4B / BM / M).
- Humanized cross belt and couplant slot design, significant reduction of operation fatigue.
- 6 kinds of grid settings and quick measurement function (distance / perimeter / area / volume / gestational age / EDC)
- Body position markers: Not less than 16 kinds of animal body position markers with probe position (bovine / equine / sheep / goat / swine / camel / cat / dog...)



Product Parameters:

Imaging Modes	B, M, 2B, B/M, 4B	Probes Optional With Specification (Standard Kit Include 6.5Mhz Rectal Linear Probe)		
Scan Frame Rate	30 frames / second		Type	Rectal Linear Probe
Image Gray Scale	256		Center Frequency	6.5Mhz
Dust And Splash Proof	Splash Proof		Frequency Adjustment	5.0 - 7.5Mhz
Image Storage	64 Frames		Scan Depth Range	60 - 130mm
Display	5.6" HD LCD Screen (640*480 Pixel)		Type	Rectal Convex Probe
Brightness Adjustment	Support		Center Frequency	3.5Mhz
Image Smoothing Adjustment	Support		Frequency Adjustment	2.0 - 5.0Mhz
Characters And Comments	Date / Time / Full-screen character editing		Scan Depth Range	111 - 270mm
Cine Loop	Support (≥400 Frames)		Type	Convex Probe
Pseudo Color	8 Kinds Support		Center Frequency	3.5Mhz
Body Remark	16 Kinds Support		Frequency Adjustment	2.5 - 5.0Mhz
Battery Life	2 - 3 Hours (single battery)		Scan Depth Range	90 - 240mm
Charging Options	DC Power Adapter		Type	Micro-Convex Probe
Dimension (Packaged)	460 x 150 x 380mm		Center Frequency	5.0Mhz
Weight (Host)	0.60 KGS		Frequency Adjustment	4.5 - 5.5Mhz
Weight (Packaged)	3.85 KGS		Scan Depth Range	90 - 140mm
Packaging	High Strength Anti-damage Protection Box			