

ASUS

ASUS LU800 VET (for veterinary care)

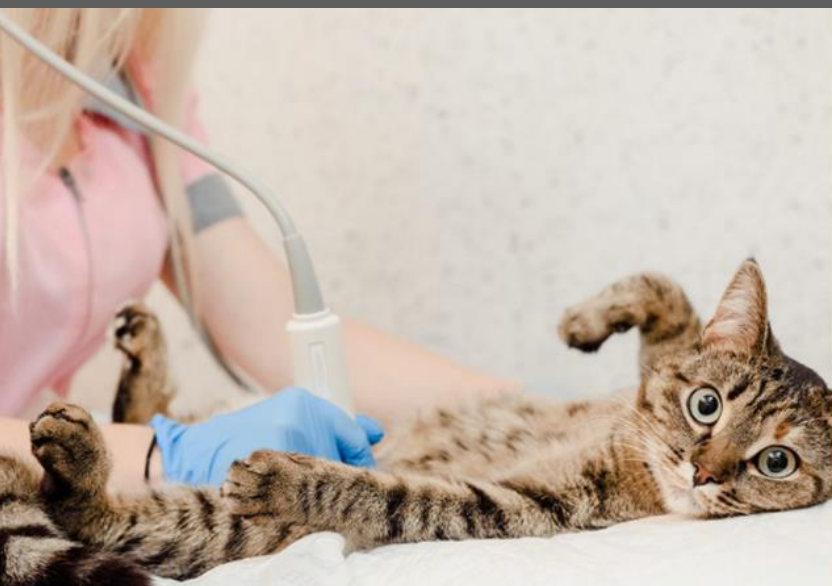
Ultrasound Scans
Anytime, Anywhere



ASUS Handheld Ultrasound for Veterinary Care

Tough, durable and reliable

Innovative ASUS handheld ultrasound technologies empower veterinarians to provide better care for patients. **These compact devices are easy to carry and ideal for point-of-care testing in the clinic, as well as farm and house calls.** From small pets to large livestock, we provides real-time high-definition imagery to allow for quick and confidence diagnosis.



Emergency procedures



Small pets



Large livestock

ASUS

Product Highlights

5

Probes

2.5 hrs

Long Battery Life

290g

Light-weighted design

5G Wi-Fi

True wireless design

4

OS supported

5

Function modes

16

Presets

20+

Parameters

IP44/67

Water-resistant

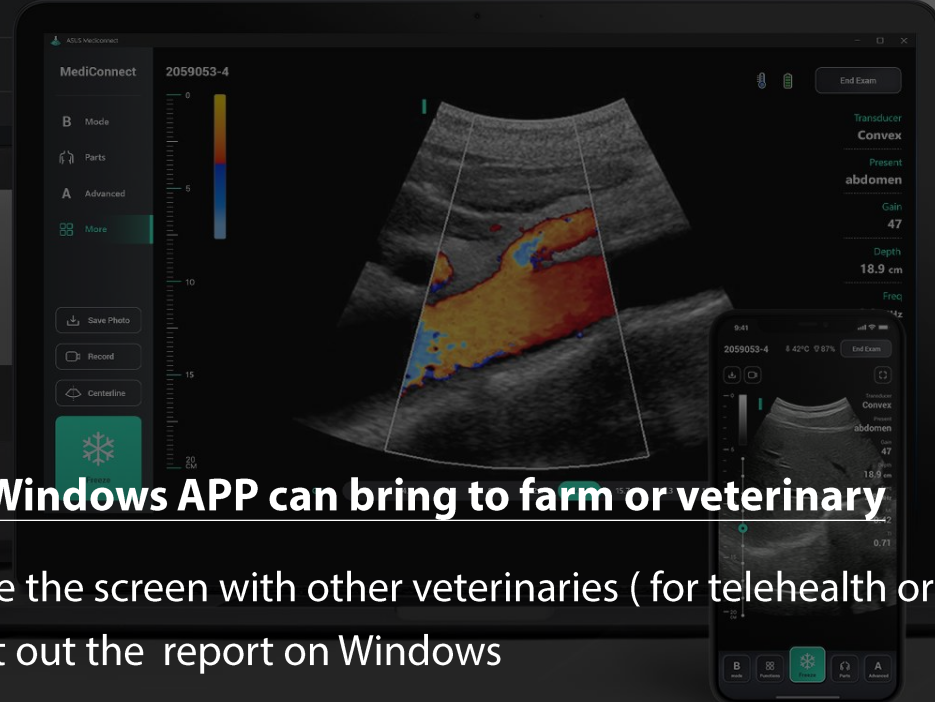
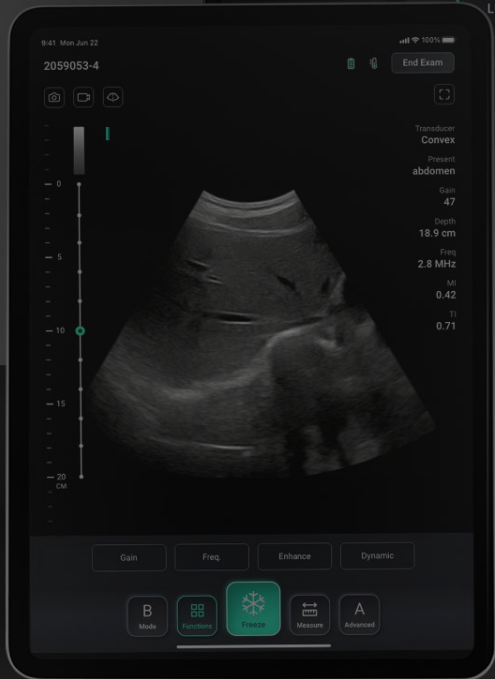
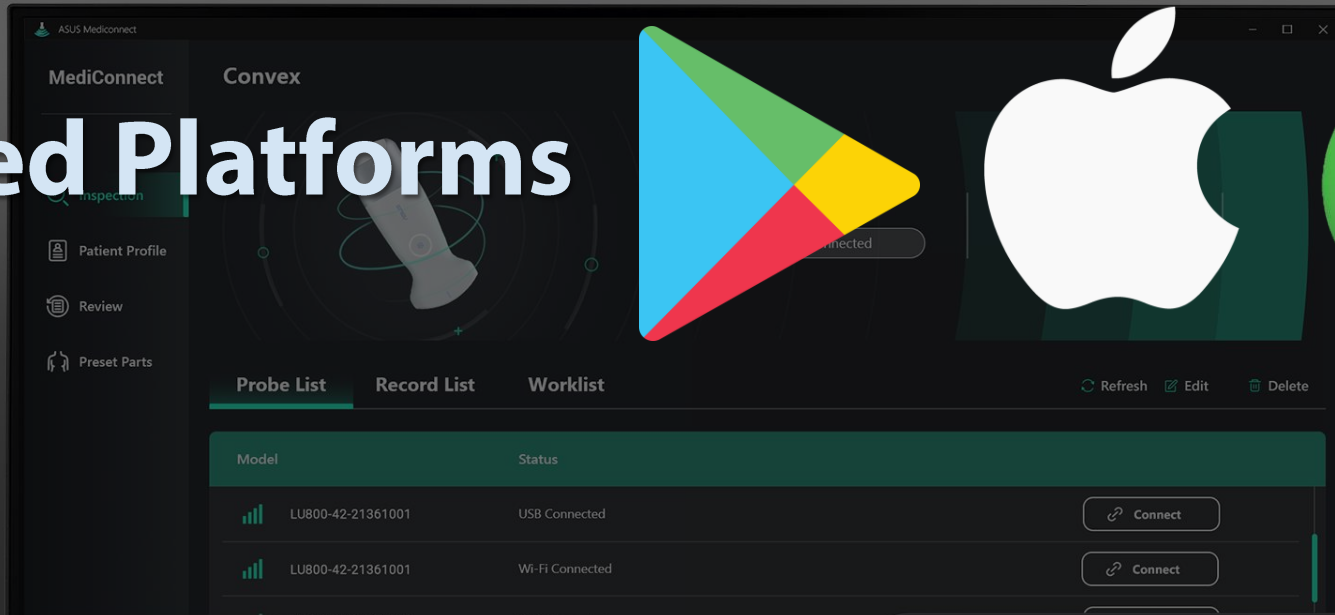


Probes Characteristics



| Probes | LU800L | LU800C | LU800M | LU800PA | LU800E |
|----------------|------------------------|-----------|-------------|--------------|------------|
| Types of array | Linear | Convex | Microconvex | Phased Array | Endocavity |
| Frequency | 4.2-12.5MHz | 2-5MHz | 3.6-8.5MHz | 1.7-3.7MHz | 3.6-8.5MHz |
| Max Depth | 12.6 cm | 30 cm | 12.6 cm | 30 cm | 15 cm |
| Elements | 128 | 128 | 128 | 64 | 128 |
| Field of View | NA | 60° | 100° | 90° | 151° |
| Radius | NA | 60 mm | 15 mm | NA | 10 mm |
| Dimensions | 168x58x34 | 177×71×34 | 176x58x34 | 174x58x34 | 345x58x34 |
| Weight | 270 g | 305 g | 265 g | 280 g | 295 g |
| Image Modes | B/M/CF/PW/PD | | | | |
| Image File | JPEG/PNG/BMP/MP4/DICOM | | | | |
| Battery | 3000 mAh | | | | |

Supported Platforms



The benefits Windows APP can bring to farm or veterinary

- Easy to share the screen with other veterinaries (for telehealth or education)
- Easy to print out the report on Windows

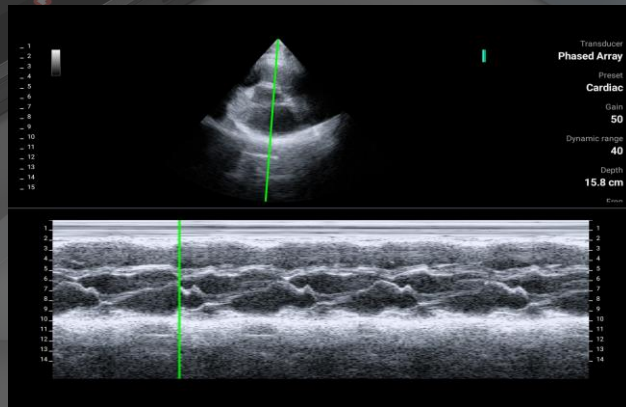
Images Modes



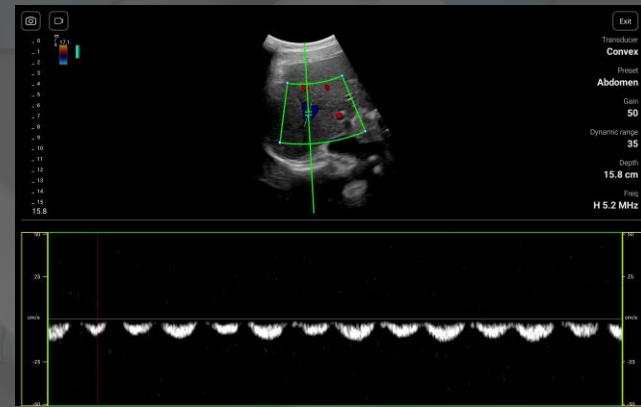
B mode



CF mode



M mode



PW mode



Images Parameters

THI

Freq

FPS

M PRF

Color PRF

Color Wall filter

Angle

Spatial Compd.

Enhancement

Color Gain

Gate

Reverse

Gain

Gray Map

TGC

Steering Angle

PRF

Gain

Dynamic Range

Persistence

Invert

Color Threshold

Wall Filter

AI Voice Control

Hands-free access to key imaging functions

Single operator

Eliminate the need for additional assistant or second pair of hands

Efficiency Upgrade

Streamline your workflow—no more reaching for the screen.

Sterile Safety Boost

Safeguard your sterile field with voice-controlled wireless scanning, eliminating the risk of screen contact.

Independent Operation Advantage

No extra help needed; simplify tasks by eliminating the need for an additional assistant or a second pair of hands.

User scenario : Give the voice command to

pad/phone/desktop/laptop → The APP will adjust the parameters automatically according to the voice command

Commands of AI voice control

| Function | Voice Command |
|----------------|------------------|
| Capture Image | Capture Image |
| Capture Video | Capture Video |
| Increase Depth | Increase Depth |
| Decrease Depth | Decrease Depth |
| Increase Gain | Increase Gain |
| Decrease Gain | Decrease Gain |
| Freeze | Freeze |
| Center Line | Center Line |
| Needle Enhance | Needle Mode |
| B Mode | B Mode |
| M Mode | M Mode |
| CF Mode | Color Mode |
| PD Mode | Power Mode |
| PW Mode | Pulsed Wave Mode |

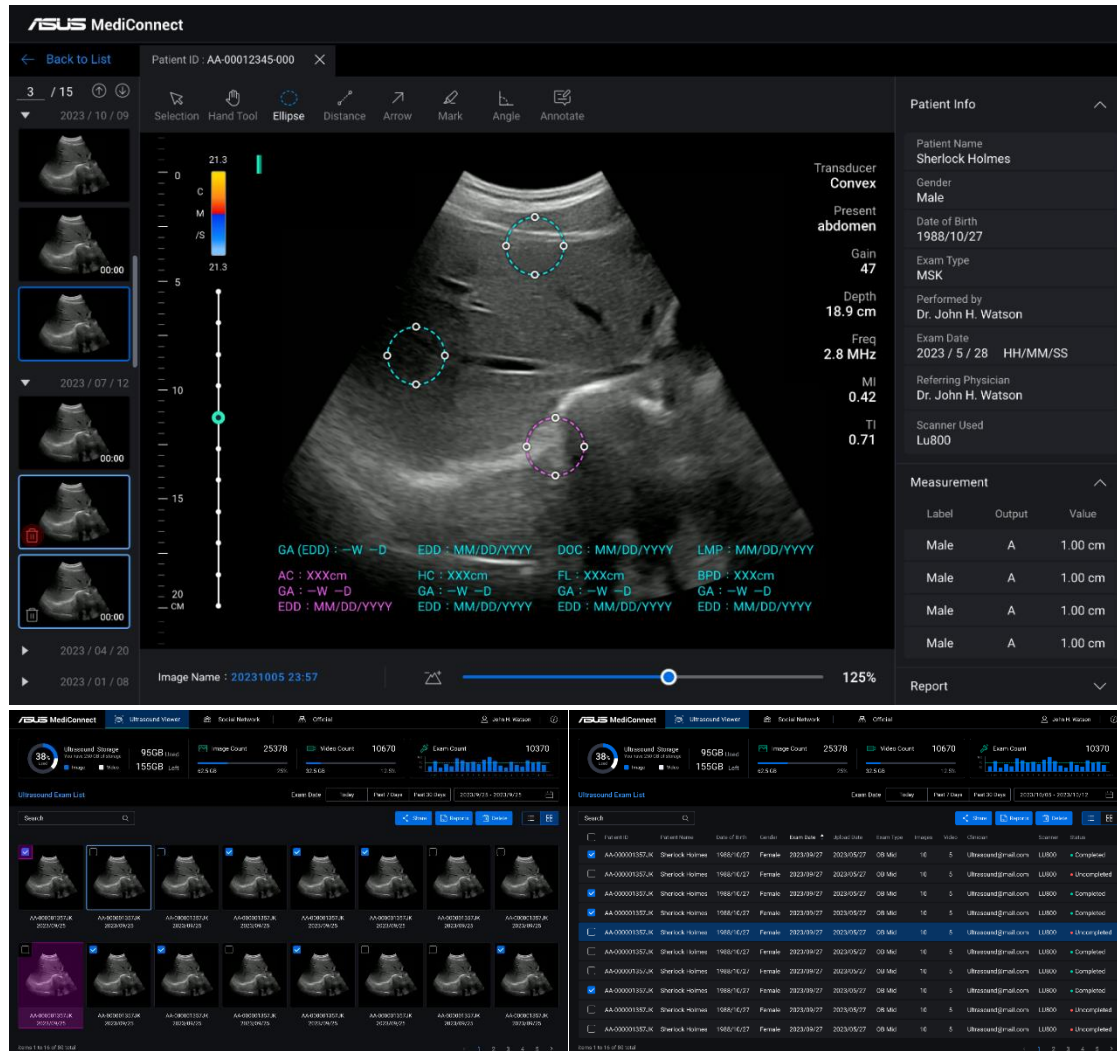
Live demo video





ASUS Ultrasound Cloud

Organize and access the exams anytime, anywhere



Ultrasound image upload

Send the exam information to ASUS Ultrasound Cloud after performing the scanning.

Access the exams anywhere

Review the exams stored in the Cloud even you're not in the hospital or clinic

Share for telecare scenario

Make notes and send exams for remote collaboration to have comprehensive diagnosis and better care to patients

Under developing, and will be published in Q2, 2024

Testing Standards

| Item | Information |
|----------------------------|--|
| Battery | <ul style="list-style-type: none"> UN 38.3, Lithium Battery Transportation EN IEC 62133 |
| Acoustic Standards | <ul style="list-style-type: none"> EN IEC 60601-2-37:2008/AMD1:2015, Medical electrical equipment, Part 2-37, Particular requirements for the basic safety and essential performance of ultrasonic medical diagnostic and monitoring equipment |
| Biocompatibility Standards | <ul style="list-style-type: none"> EN ISO 10993-1:2009, Biological evaluation of medical devices EN ISO 10993-5:2009, Biological evaluation of medical devices ISO 10993-10:2010, Biological evaluation of medical devices |
| Safety Standards | <ul style="list-style-type: none"> IEC 60601-1:2005+AMD1:2012 / EN 60601-1 :2006+ A1 2013 CSV Medical electrical equipment, Part 1: General requirements for basic safety and essential performance IEC 60601-1-2: 2014 / EN 60601-1-1 :2015 Medical electrical equipment, Part 1-2: General requirements for basic safety and essential performance, Collateral Standard: Electromagnetic Capability - Requirements and tests AIUM/NEMA UD 2- 2004 2009 NEMA Standards Publication UD 2-2004 (R2009) Acoustic Output Measurement Standard for Diagnostic Ultrasound Equipment, Revision 3. (Radiology)AIUM/NEMA UD 3- 2004 2009 NEMA Standards Publication UD 3-2004 (R2009) Standard for Real-Time Display of Thermal and Mechanical Acoustic Output Indices on Diagnostic Ultrasound Equipment EN IEC 62304 2006 Medical device software - Software life cycle processes IEC 62366-1: 2015/EN 62366-1:2015 Medical devices, Application of usability engineering to medical devices IEC 60601-1-6 / EN 60601-1-6 Usability ISO 15223-1 2016 Medical devices - Symbols to be used with medical device labels, labeling and information to be supplied ISO 13485:2016 Medical Devices - Quality Management Systems - Requirements for Regulatory Purposes |



ASUS Portable Ultrasound Solution

Wireless & Long Battery Life | 5 Probes for Diff. Intended Use | Support Windows/iOS/Android/ChromeOS APP



Windows APP
on ASUS Website



Product Page



Awards of ASUS Handheld Ultrasound Solution (LU800)



"In search of good design" – the Red Dot Design Award is one of the world's largest design competitions.



The UI design of ASUS portable ultrasound solution won the iF Design Award 2023, a global symbol of excellent design.



The product design of ASUS Portable Ultrasound Solution won the iF Design Award 2022, a global symbol of excellent design



ASUS Portable Ultrasound won the Taiwan Excellence Award, a world-renowned design award.

ASUS

Product Highlights

2 Probes

Linear/Convex

4 hrs

Long Battery Life

2M

Cable Length

5G Wi-Fi

True wireless design

4

OS supported

5

Function modes

6

Presets

20+

Parameters

IP67

Water-resistant



Handheld Ultrasound

Special version for livestock

Thank You