DS 30 Plus Vet
Technical Specifications

Micro-convex array: C613UA	Convex array: C343UA	Linear array: L743UA	Endorectal: V743UA

Micro-convex array: C321UA	Convex array: C363UA	Linear array: L763UA	Endorectal: V563UA

General:

Imaging mode: B, B+B, 4B, B+M, M, and PW
Gray scales: 256
Display: 12.1" TFT-LCD
Transducer frequency: 2.0-10.0MHZ
Transducer connector: 2 standard
Beam-forming: Digital Beam-forming
    Dynamic Receiving Focusing
    Real-time Dynamic Aperture
    Dynamic Frequency Scanning
    Dynamic Apodization
    Tissue Harmonic Imaging
    Tissue Specific Imaging
Scanning angle: from 30 to 155 degree (depending on transducers)
Scanning depth (mm):
    from 19 to 245 (depending on transducers)

Functions:

Cine loop: 256 frames bidirectional cine-loop
Zoom: x1.0, x1.2, x1.4, x1.6, x2.0,
    x2.4, x3.0, x4.0 in distance
panoramic zoom in real-time and frozen condition
Storage media: Built-in Flash, External USB-Memory stick
Built-in image archive:
    504MB built-in image storage
Body mark: 18 types
Transducer auto-detection
16-segment acoustic power output adjustment

Others:

Peripheral port: Video output x 1
    VGA output port x1
    USB port x 2
    DICOM3.0 X 1(optional)
Power supply: 100V-240V ~ 50Hz / 60Hz

Lithium battery: Continuous working for 2 hours
Dimensions: 330mm(L) X 320mm(H) X 220mm(W)
Net weight: 7.1kg

Imaging Processing:

Pre-processing: Dynamic range
    Edge enhancement
    Frame correlation
    Line correlation
    Smooth
    AGC
    8-segment TGC adjustment
    IP (Imaging Process)
Post-processing: Gray map
    Gamma correction
    Rejection
    Pseudo-color
    Black / white reverse
    Left / right reverse
    Up / down reverse

Measurement & Calculation:

B-mode: distance, circumference, area, volume, ratio
    stenosis%, and angle
M-mode: distance, time, slope, and heart rate
D-mode: time, heart rate, velocity, acceleration, trace, and RI
Reproductive Software packages:
    dog, cat, equine, bovine and ovine.

Display:

Date, Time, Probe Name, Probe Frequency, Frame Rate,
Pet Type, Host Name, Pet ID, Hospital Name, Measurement
Values, Body Marks, Annotation,Probe Position,
Full-image-region edit

Standard configurations:

DUS 60 VET main unit
12.1" TFT-LCD monitor
Two transducer connectors
256 frames cine loop memory
504MB built-in image storage
Two USB ports
Measurement & calculation software packages
Micro-convex array transducer:
    C613UA (4.5/ 5.5/ 6.5/ 7.5/ 8.5MHz)

Options:

Linear array transducer:
    L743UA (6.0/ 7.0/ 8.0/ 9.0/ 10.0MHz)
Linear array transducer:
    L763UA (6.0/ 7.0/ 8.0/ 9.0/ 10.0MHz)
Micro-convex array transducer:
    C321UA (2.0/ 3.0/ 4.0/ 5.0/ 6.0MHz)
Convex array transducer:
    C363UA (2.0/ 3.0/ 4.0/ 5.0/ 6.0MHz)
Convex array transducer:
    C343UA (2.0/ 3.0/ 4.0/ 5.0/ 6.0MHz)
Endorectal transducer:
    V743UA (6.0/ 7.0/ 8.0/ 9.0/ 10.0MHz)
Endorectal transducer:
    V563UA (3.0/ 4.0/ 5.0/ 6.0/ 7.0MHz)
Needle-guided brackets for transducers
Video printer
Laser printer
Inkjet printer
DICOM3.0
Foot switch
Lithium battery
Mobile trolley
Hand carried bag

ULTRASERVE SYSTEMS
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Sonoray

■ **Veterinary**
Digital Ultrasonic Diagnostic Imaging System

Care for Health

Sonoray

- IP
- F Position
- F Number

The VET

Efficiency · Compactness · Versatility

DS 30 Plus Vet

Dog heart	Dog bladder	Dog pregnant
Dog liver	Dog bladder stone	Dog pregnant, triple

⮞ Go anywhere you need to go

- Compact and lightweight design brings excellent mobility
- 12.1" folding high resolution TFT-LCD screen generates image clarity
- Built-in battery ready for scanning 2 hours at point-of-care

⮞ Powerful technologies to be your right assistant

- Complete Digital Beam Forming technologies achieve high quality imaging
- THI and TSI technology present sharp and clear imaging accordingly
- PW Doppler brings more clinical diagnostic values on vascular disease
- 5-frequency broadband transducer selection for wide clinical applications

⮞ Feasible elements to enhance your confidence

- Intelligent 8-segment TGC for precise adjustment
- Multi-format data transferring via USB and DICOM
- Multi-pseudo-color options for personalized needs

⮞ Definite more meaning on user-friendly

- One touch image quality optimization by smart IP key
- Rational-designed backlight palm controller
- User-defined keys contribute smooth operation process
- Quick-save key helps you the maximum patient throughout