



The **Philips ClearVue 850** is a midrange Ultrasound. The ClearVue 850 is mainly used for women's health but also offers ultrasonic imaging for vascular, cardiac, small parts, and echo exams. The System shares the same architecture as the ClearVue 350 , 550, and 650. The only difference is that the ClearVue 850 offers more advanced features. These features include; Iscan, AutoSCAN, SonoCT, and XRES. The 850 offers additional 4D imaging options 4D Convex, 4D transvaginal, Auto Face Reveal, iSlice, and Fetal STIC. The Philips Ultrasound can provide 2D, 3D, and 4D imaging options. Additional features include Blood flow and stress imaging. The ultrasound system offers quick action buttons for the most commonly used obstetric measurements and imaging modes. The 19-inch monitor comes on an articulating arm along with a height-adjustable control panel, for maximum user comfort.

## Features

- 19-inch, 360-degree articulating monitor
- Ergonomically advanced console for user height adjustment and comfort
- Monitor tilt and swivel
- Monitor articulating arm
- AutoSCAN automatically identifies tissue type and continuously adjusts image gain
- 3D/4D for visualization and analysis of volume data
- Upgradeable to 4D
- Stress echo for cardiac imaging
- Strain elastography
- Pulse inversion harmonics
- SonoCT
- XRES
- FloVue advanced imaging mode for direct visualization of blood flow in vasculature
- Intima media thickness (IMT) imaging to automate measurement
- iSlice for quick volumetric display
- Curved ROI for OB imaging
- One-button iSCAN
- Active Array for superb image quality
- Broadband beamforming
- Tissue harmonic imaging



# Specifications

## Dimension

Width: Keyboard: 500 mm (19.7 in) Caster: 720 mm (28.3 in)  
 Depth: Maximum: 697 mm (27.4 in) Caster: 800 mm (31.5 in)  
 Height: Maximum: 1412 mm (55.6 in)  
 Weight: 56 kg, 123 lbs

## General Specifications

Digital beamformer  
 Displayed imaging depth: 0 – 33 cm (probe dependent)  
 Minimum depth of field: 0 – 2 cm (probe dependent)  
 Maximum depth of field: 0 – 33 cm (probe dependent)  
 Continuous dynamic receive focus/continuous dynamic receive aperture  
 Adjustable dynamic range up to 120 dB

## Power

Nominal input voltage: 100-240 VAC, frequency 50/60 Hz  
 Power consumption maximum: 400 VA with peripherals

## System Overview

Monitor (inch): 19" LCD  
 Tilt/Rotate Adjustable Monitor: Yes  
 Monitor Resolution: 1280\*1024  
 Touch Screen (Inch): No  
 Trackball or Trackpad: Trackball  
 CP Back-Lighting: Yes  
 Weight: 115 lbs (52kg)  
 Probe Ports: 4  
 Battery: No  
 Sleep Mode (Quick Start): No  
 Maximum Depth of Field: 30cm  
 Minimum Depth of Field  
 Cart (HCU): No  
 Independent Steer & Lockable Wheels: Yes

## Imaging Modes

2D, M mode: Yes  
 M-color Flow Mode: Yes  
 Anatomical M-mode: Yes  
 Trapezoidal Mode: Yes  
 Color, Power Angio, Pulse Wave Doppler: Yes  
 Bi-directional Power (=HD FLOW): Yes  
 SCW Doppler: Yes  
 Tissue Doppler(Velocity) Imaging: Yes  
 Freehand 3D: Yes  
 Live 3/4D OB/GYN: Yes  
 HD Live: No  
 STIC (Spatio-Temporal Image Correlation): Yes

## Specifications Continued

### Imaging Modes (continued)

Live 3D Echo: No  
 Stress Echo: No  
 Strain and Strain Rate (Cardiac): No  
 B Flow: Yes  
 Panoramic Imaging (=Logiq view): Yes  
 Contrast Imaging - Cardiac: No  
 Contrast Imaging - General Imaging: No  
 Strain-based Elastography: Yes  
 Shear Wave Elastography No

### Connectivity

DICOM 3.0: Yes  
 DICOM SR\_Cardiac: Yes  
 DICOM SR\_Vascular: Yes  
 DICOM SR\_OB/GYN: Yes  
 JPEG, WMV, & AVI: Yes  
 USB: Yes(3)  
 HDD/SDD: 500GB  
 DVD/CD RW: Yes  
 Wireless LAN: No