Philips ClearVue 850 Ultrasound Machine - Refurbished

SKU: MP11765

Categories: New

Description

Overview

Philips ClearVue 850 Dimensions and Weight:

- 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
  Philips ClearVue 850 Specifications:

  • Digital beamformer • Displayed imaging depth: 0 – 30 cm (probe dependent) • Minimum depth of field: 0 – 2 cm (probe dependent) • Maximum depth of field: 0 – 30 cm (probe dependent) • Continuous dynamic receive focus/continuous dynamic receive aperture • Adjustable dynamic range up to 120 dB

  Philips ClearVue 850 Electrical power:

  • Nominal input voltage: 100-240 VAC, frequency 50/60 Hz • Power consumption maximum: 400 VA depending on system configuration

Review

Philips ClearVue 850 Review:

The ClearVue series share the platform with the rest of the ClearVue series, so by adding options at lower

versions the lower version of ClearVue systems can be upgraded to the ClearVue 850. However, considering the cost-efficiency, an initial wise investment in the beginning will save a lot more rather than upgrading the system later. If a user is not buying the system for strain elastography and height adjustable option, the user can choose the lower version as his or her specialty and clinical requirements.

Probes

Philips ClearVue 850 Probes/Transducers:
Curved Array: C5-2 C9-4v Volume array: V6-2 3D9-3v Linear Array: L12-5 L12-4 Sector Array: S4-1 CW transducer: D2cwc

Features

Philips Affiniti 30 Features:

- High-resolution 19? color LCD monitor
- Fully articulating arm with tilt and swivel
- Four-wheel swivel ability and two-wheel lock brake
- Philips Color Power Angio (CPA)
- Directional Color Power Angio
- M-mode
- Pulsed wave Doppler
- High PRF pulsed wave Doppler
- Continuous wave Doppler
- Freehand 3D
- Color compare mode
- Dual mode
- Duplex for simultaneous 2D and Doppler
- Triplex mode for simultaneous 2D, Dopplerand color or CPA
- 2D optimization signal processing
- Tissue Harmonic Imaging (THI)
- Pulse Inversion Harmonic (PIH)
- Intelligent Doppler
- Reconstructed zoom with pan (read zoom)
- Philips high-definition zoom (write zoom)
- Trapezoidal
- Adaptive Doppler
- Adaptive color Doppler

Accessories

Philips ClearVue 850 Peripheral Options:

- Sony Digital UP-D711 Termal Printer
- Sony Fixture Kit for Digital UP-D711 Thermal Printer
- Sony Digital UP-D25 Color Thermal Printer
- Sony Digital UP-D897 BW Thermal Printer
- Mitsubishi P93W/E Thermal Printer
- Mitsubishi P95DW Thermal Printer
- USB Footswitch
- USB Memory Stick
- USB three pedals footswitch
- USB ECG Kits (AHA/IEC)

Philips ClearVue 850 Supplies:

- Aquasonic ultrasound gel
- Sono ultrasound wipes
- Console Protective Cover
- Sony UPP-110HG thermal printing paper
- Sony UPC-21L color thermal printing pack

- Mitsubishi KP65HM-CE High density thermal paper
- External USB printer connection

Philips ClearVue 850 ports:

- HDMI Out
- Ethernet Network – Wired gigabit Ethernet – Wireless networking 802.11n – WPA2 Personal security – WPA2 Enterprise security
- USB (3x)
- AC Power Input
- Probe connectors

Philips ClearVue 850 image storage:

- Combined 512GB storage capacity
- Storage formats: DICOM – Compressed /uncompressed, single/multiframe, with/without Raw Data – Ability to export AVI and MPEG clips and BMP images to USB flash for PC viewing
- Storage Devices: USB Memory Stick
- DVD-RW Storage
- HDD Image Storage

Options

Philips Affiniti 30 Options:

- 3D Fetal Echo STIC
- 4D Imaging
- Anatomical M-mode
- Auto Face Reveal
- Bardcode Scanner
- CWD
- DICOM Networking
- DICOM Structured Reporting
- Strain Elastography
- FloVue
- Grayscale Freehand 3D
- High Q
- Physio(ECG)
- Pulse Inversion Harmonic Imaging
- QLAB – GI 3DQ
- QLAB – IMT
- Sector Probe
- SonoCT
- SmartExam
- Stress Procotol
- TDI
- XFOV (Philips Panoramic)
- XRes
- iSCAN 2D
- iSCAN Color / Doppler
- SmartExam

Applications

Philips ClearVue 850 Applications:

- Abdominal
- Obstetrical
- Fetal echo
- Cerebrovascular
- Vascular (peripheral, cerebrovascular, temporal TCD, and abdominal)
- Abdominal vascular
- Gynecological and fertility

- Small parts and superficial
- Musculoskeletal
- Pediatric general imaging
- Prostate
- Echocardiography (adult, pediatric, fetal)
- Stress echocardiography
- Interventional imaging
- Bowel imaging
- Strain elastography

FAQs

Philips ClearVue 850 FAQs:

- iSCAN is an one-touch image optimization function for 2D mode and Doppler mode. It is available on all imaging transducers and operations in conjunction with SonoCT and XRES imaging.
- SonoCT (Real-time compound imaging) helps eliminate virtually all clutter and artifact. It automatically select the number of steering angles (up to 9) based on the user-selected resolution/frame rate (Res/Speed) condition of all curved and linear array transducers. It operates in conjunction with Tissue Harmonic Imaging, XRES imaging, volume modes, and duplex Doppler.
- AutoSCAN automatically and continuously optimizes the brightness of the image at the default gain and TGC settings for the best image display.
- iOPTIMIZE intelligent optimization: Multiple technologies for one-button approach to automatically and instantly adjust system performance for different patient sizes, flow states, and clinical requirements. It is a tissue specific imaging function adjusts over 4,000 parameters during transducer or application selection
- Tissue Harmonic Imaging with pulse inversion technology is the system processing of second harmonic frequencies in tissue incorporating with patented pulse inversion phase cancellation technology for high detail resolution during harmonic imaging.
- Intelligent Doppler imaging automatically maintains optimal angle-to-flow to assist in delivering consistent Doppler velocity measurements (available with vascular and general imaging application packages on linear transducers only)
- Adaptive Doppler boosts weak signals to enhance spectrum visibility and pulsed-wave audio signals for enhanced flow assessment
- SmartExam Protocols: is fully customizable protocol capability for any clinical application supported on the system with flexibility to conduct the examination protocol in any sequence. It supports preset protocols for transthoracic and transesophageal cardiac and vascular exams based on industry and accreditation guidelines.
- QLAB IMT: This QLAB tool makes measurement of intima media thickness in carotids and superficial vessels quick and consistent.
- QLAB 3DQ GI: This QLAB tool on the Philips system allows viewing, quantification, cropping, rotation, and measurements of 3D image data set.
- Strain Quantification (SQ) is for evaluation of regional myocardial function. Assessing synchronicity and guidance during biventricular pacing procedures. Measuring the myocardial velocity and deriving the displacement-strain rate and strain along user-defined M-lines by Tissue Doppler imaging(TDI)

Features
Tissue Harmonic Imaging :Yes
Spatial Compounding(=CrossXbeam) :Yes
Speckle Reduction (=SRI) :Yes
Auto Image Opt(B mode):Yes
Auto Image Opt(Doppler):Yes
Write Zoom:Yes
Triplex Mode:Yes
Needle Enhancement or Needle Recognition:No
Auto NT Measurement (=Sono NT):Yes
Auto Follicle 2D Measurement:No
Auto Follicle 3D Measurement:No
Auto IMT:No
Auto IMT (Real Time):No

No
Live Dual (B/BC) Mode:Yes
SmartExam or Scan Assistant:Yes
Fusion:No
Raw Data File:No
Flexible Report:Yes
Barcode Reader:Yes
Gel Warmer:No
Transducers
Convex (1~6Mhz):Yes(C5-2)
Convex (2~9Mhz):No
Single Crystal Convex (1~6Mhz):No
Single Crystal Convex (2~9Mhz):No
2D Arrary 3D Convex (1~6Mhz):No
Micro Convex (5~8Mhz):No
Single Crystal Endocavity_Straight Type (3~10Mhz):No
Endocavity_Curved Type (5~8Mhz):Yes(C9-4v)
3D Convex (2~6Mhz):Yes(V6-2)
3D Convex Light Weight (2~7Mhz):Yes
3D Endocavity (3~10Mhz):Yes(3D9-3v)
3D Micro Convex (3~9Mhz):No
3D Linear (4~18Mhz):No
Linear (>14Mhz):No
Linear (3~12Mhz):Yes(L12-4)
Linear (No
Single Crystal Linear (>14Mhz):No
Single Crystal Linear (3~12Mhz):No
Single Crystal Linear (No
Linear 50mm:No
Linear 25mm:No(linear 7~15io:23mm)
Hockey stick (No
Hockey stick (>13Mhz):No
T or L shape Intra Operative:No
Phased Array_Adult (1~5Mhz):Yes
Single Crystal Phased Array_Adult (1~5Mhz):No
2D Arrary 3D Phased Array (1~5Mhz):No
Phased Array_Pediatric (3~8hz):No
Single Crystal Phased Array_Pediatric (3~8hz):No
Phased Array_Neonate (4~12Mhz):No
ICE (Intracardiac Echo Cardiography):No
TEE_Adult (3-7Mhz):No
TEE_Pediatric (3~7Mhz):No
2D Array 3D TEE (2~7Mhz):No
Pencil CW (2Mhz):Yes(C9-4v)
Pencil CW (5 or 6Mhz):No
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

Applications
Abdominal:Yes
Women's Health Care (GYN & Breast):Yes
OB:Yes
Fetal Echo:Yes
Vascular:Yes
TCD(Transcranial):Yes
Small Parts (Breast, Thyroid, Testis…):Yes
MSK/Anesthesiology:Yes
Pediatrics:Yes
Urology (Renal, Prostate…):Yes
Echocardiography_Adult:Yes
Interventional Cardiology:No
Echocardiography_Pediatric:No
Echocardiography_Neonate:No
Stress Echocardiography:Yes
Transesophageal Echo_Adult:No
Transesophageal Echo_Pediatric:No
Internal Medicine w/ Shared Service:Yes
Surgury:No
Interventional Radiology:No
Contrast Imaging _ General Imaging (Low MI):No
Contrast Imaging _ Cardiac (High or Low MI):No
Bowel Imaging:No
Strain Elastography:Yes
Shear Wave Elastography:No