

DP-3300 Digital Ultrasonic Diagnostic Imaging System

----- Reliable Digital Technology



DP-3300 adopts advanced digital beam-forming (DBF) technology, which has realized the improvement on the quality of image. Meanwhile, broadband and multi-frequency transducers enable clinical applications in a wider range. Based on adequate requirements of doctors, 128-frame CINE loop and 16-frame images storage are set as standard configurations. On the other hand, the second optional transducer connector provides doctors with more flexibility in clinical application. With such powerful features and ergonomic design, the performance of this economical DP-3300 is always reliable for all the users.

Features:

- * Multi-purpose ----- abdominal, urology, GYN, OB, small parts, and biopsy
- * Digital beam-former
- * Two transducer connectors (optional)
- * Multi-frequency transducer series
- * Max frequency up to 10MHz
- * 10" non-interlaced monitor



Functions:

- * 128-frame cine loop memory
- * 16-frame images storage
- * IP (Image Process) function

Standard configurations:

- * DP-3300 main unit
- * 10" non-interlaced monitor
- * One transducer connector
- * 128-frame cine loop
- * 16-frame images storage
- * Two USB ports
- * Measurement & calculation software packages
- * Electronic convex array transducer: 35C50EB (2.5/3.5/5.0MHz)

Options:

- * Electronic linear array transducer: 75L38EB (5.0/7.5/10MHz)
- * Electronic linear array transducer: 75L60EA (5.0/7.5/10MHz)
- * Electronic endocavity transducer: 65EC10EB (5.0/6.5/8.0MHz)
- * Electronic micro-convex array transducer: 65C15EA (5.0/6.5/8.0MHz)
- * Biopsy package
- * Needle-guided brackets for transducers
- * Two transducer connectors
- * Mobile trolley

Technical Specifications:

General Descriptions

Imaging mode:	B, B+B, B+M, M
Gray scale:	256
Display:	10" non-interlaced
Transducer frequency:	2.0 ~ 10MHz
Transducer connector:	1 (standard), 2 (optional)
Beam-forming:	Digital Beam-forming (DBF) Dynamic Receiving Focusing (DRF) up to 16 zone transmitting focusing Dynamic Frequency Scan (DFS) Real-time Dynamic Aperture (RDA) Dynamic Receiving Apodization (DRA)
Scanning angle:	from 40 to 128 degree (depending on transducers)
Scanning depth (mm):	from 25.9 to 246 (depending on transducers)

Imaging Processing

Pre-processing:	dynamic range edge enhancement frame correlation smooth 4-segment TGC adjustment IP (Image Process) acoustic power adjustment scanning angle selection high resolution/high frame rate select
Post-processing:	gray map left-right reverse up-down reverse

Functions:

Cine loop:	128-frame cine loop memory
Zoom:	panoramic zoom in real-time and frozen condition
Built-in image archive:	permanent storage up to 16 frame images



Measurement & Calculation

B-mode:	distance, circumference, area, volume, angle, residual urine volume, histogram, profile, S%
M-mode:	distance, time, velocity, heart rate (2 cycles)
Software packages:	abdomen, gynecology, obstetrics, IVF, peripheral vessels, orthopedics, interventional

Transducer Types

Electronic convex array transducer:

35C50EB (2.5/3.5/5.0MHz)

Electronic linear array transducer:

75L38EB (5.0/7.5/10MHz)

Electronic linear array transducer:

75L60EA (5.0/7.5/10MHz)

Electronic endocavity transducer:

65EC10EB (5.0/6.5/8.0MHz)

Electronic micro-convex array transducer:

65C15EA (5.0/6.5/8.0MHz)

Others

Peripheral port:	video output	1
	USB ports	2
Power supply:	100~240VAC ± 10% 50Hz/60Hz	
Dimensions:	286mm(W) X 385mm(L) X 306mm(H)	
Net weight:	11Kg	

NOTE: specifications subject to change without prior notice.

