

## Specifications:

### • General:

Imaging mode: B, B+B, 4B, B+M, M  
Gray scales: 256

Display: 10" non-interlaced

Transducer frequency: 2.5 ~ 10MHz

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 40 to 155 degree (depending on transducers)

Scanning depth (mm):

From 40 to 240 (depending on transducers)

### • Imaging Processing:

Pre-processing:

Dynamic range  
Edge enhancement  
Frame correlation  
Line correlation  
Smooth  
8-segment TGC adjustment  
IP (Image Process)

Post-processing:

Gray map  
Gamma correction  
Rejection  
Left-right reverse  
Up-down reverse

### • Functions:

Cine loop: 204 frames bidirectional cine loop

Zoom: X1.0, X2.0, X3.0, X4.0 in real-time

Storage media: Built-in Flash, External USB-Memory stick

Storage: 128 frames permanent image storage

Body mark: 80 types

Transducer auto-detection

16-segment acoustic power output adjustment

### • Measurement & Calculation:

B-mode: distance, circumference, area, volume, angle,  
residual urine volume

M-mode: distance, time, velocity, heart rate (2 cycles)

Software packages: abdomen, gynecology, obstetrics,  
urology, small parts, cardiology

## Multi-frequency transducers



### • Display:

Date, Time, Probe Name, Probe Frequency, Frame Rate,  
Patient Name, Patient ID, Hospital Name, Measurement  
Values, Body Marks, Annotation, Probe Position, Full-  
image-region Edit

### • Others:

Peripheral port: Video output 1

VGA output port 1

USB port 2

DICOM3.0 1 (optional)

Power supply: 100-240V AC ± 10% 50Hz/60Hz

Dimensions: 353mm(W) X 315mm(L) X 253mm(H)

Net weight: 9.5kg

### • Standard Configurations:

NeuSonic Pi main unit

10" non-interlaced monitor

Two transducer connectors

204 frames cine loop memory

128 frames built-in image storage

Two USB ports

Measurement & calculation software packages

Convex array transducer: C363-1 ( 2.5/3.5/5.0MHz )

### • Options:

Linear array transducer: L743 ( 6/8/10MHz )

Endorecta transducer: E743 ( 6/8/10MHz )

Endocavity transducer: E613 ( 5/6.5/8MHz )

Micro-convex array transducer: C321 ( 2.5/3.5/5.0MHz )

Convex array transducer: C343-1 ( 2.5/3.5/5.0MHz )

Video printer

Laser printer

Biopsy guideline function

DICOM3.0

Footswitch

Mobile trolley

Hand carried bag



## NeuSonic Pi Digital Ultrasound Diagnostic Imaging System

With advanced digital beam-forming (DBF) technology, NewTech focuses on Ultrasound applications that will create new clinical value for you and your patients

## NewTech Medical Limited

8400 Normandale Lake Boulevard, Suite 920,

Bloomington 55437, Minnesota, U.S.A

Tel: 1-952-837-2688 Fax: 1-952-400-8947

<http://www.newtech-medical.com>

E-mail: [info@newtech-medical.com](mailto:info@newtech-medical.com)

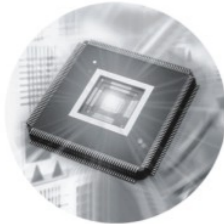




## • Innovative Technology

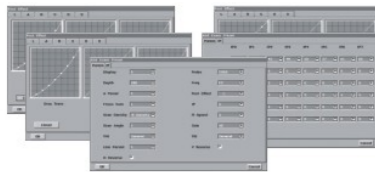
NeuSonic Pi, powered by innovative technology, optimizes imaging precision and ensures the reality and perfection of images.

- Dynamic Frequency Scan (DFS)
- Real-time Dynamic Aperture (RDA)
- Dynamic Receiving Apodization (DRA)
- Digital Beam-forming (DBF)
- Multi-zone Transmitting Focusing (MTF)
- Dynamic Receiving Focusing (DRF)



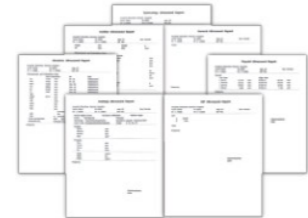
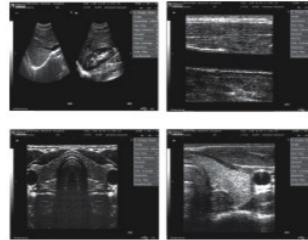
## • Powerful Functions

- IP (Image Process) Function
- Ergonomic Backlight Keyboard Design
- Intelligent 8-segment TGC adjustment
- Panoramic Zoom Function



## • Comprehensive Applications

With a variety of multi-frequency transducers, and abundant measurements and calculation software packages, NeuSonic Pi insures optimal images and solid diagnosis confidence for each clinical application.



## • Excellent Features

NeuSonic Pi includes these features which are usually unique to higher end systems

- 204-frame cine loop
- 128-frame image storage
- VGA output
- Dual USB port
- DICOM 3.0 (optional)



With advanced digital beam-forming (DBF) technology, NewTech focuses on Ultrasound applications that will create new clinical value for you and your patients. Furthermore, NeuSonic Pi the maximum 128 frames built-in image storage and standard configuration of two-transducer-connector bring along with more options and flexibility.



# NeuSonic Pi

## Digital Ultrasound Diagnostic Imaging System

