



# ECHOGRAPHE DIGITAL

## Echographe DIGITAL 3000F

### Technical Specification

#### General Descriptions

**Imaging Mode:** B, B+B, B+M, M, 4B  
**Gray Scales:** 256  
**Display:** 14" CRT monitor  
**Probe Frequency:** 2.5-10 MHz  
**Probe Connectors:** 2  
**Beam-forming:** Digital Beam-forming (DBF)  
 Dynamic Receiving Focusing (DRF)  
 Real-time Dynamic Aperture (RDA)  
 Dynamic Frequency Scanning (DFS)  
 Dynamic Receiving Apodization (DRA)  
**Scanning Angle:** 60 to 120 degree (depending on transducers)  
**Scanning Depth:** 240mm Max. (depending on transducers)

#### Imaging Processing

**Pre-processing:** IP selections,  
 Dynamic Range  
 Edge Enhancement  
 Smooth  
 8-TGC  
 Frame correlation  
 Scanning Span Selection,  
 Line density selection  
**Post-processing:** Gray transform & correction  
 Left-right reverse  
 Up-down reverse  
 Positive-negative reverse

#### Functions

**Cine Loop:** 256-frame cine loop memory  
**Image Storage:** Permanent storage of over 80,000 images on hard disk (depend on disk volume upgradeable)  
**USB:** 4  
**Zoom:** Intelligent zoom in real-time

#### Measurement & Calculations

**B mode:** Distance, circumference, area, volume, ratio, angle, Real time histogram  
**M mode:** Distance, time, slope, heart rate  
**General software packages:** Abdomen, OBS/GYN, Special fetal growth  
**Analysis software package:** LMP, fetal growth curve, fetal weight  
**EDD tables:** BPD, GS, CRL, FL, AD, HC, AC (Additional tables are user programmable.) for fetal of 4TH-43rd week  
**Report templates:** General report, OB&GYN report  
**Archives Management:** Patient management, Exam record management system  
**Documentation:** Full screen documentation, hospital name, patient name, date/time, Annotation database available, pre-saved phrases can be recalled

#### Probe types

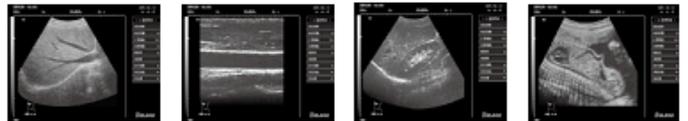
3.5 MHz convex probe  
 7.5 MHz linear probe  
 6.5 MHz trans-vaginal probe  
 3.5 MHz micro-convex probe  
 6.5 MHz rectal probe

#### Multi-frequency transducers



3.5MHz convex probe Application: Abdomen/ GYN/OB/Urological  
 7.5MHz linear probe Application: Superficial surface (neck, breast)  
 3.5MHz micro-convex probe Application: Heart  
 6.5MHz trans-vaginal probe Application: Vaginal

#### Our images



Liver

Carotid

Kidney

Uterus

#### Others

**Peripheral port:** video output 1  
 USB port 4  
 DICOM3.0.1 (optional)  
**Power Supply:** AC 230V±10%, 50Hz(standard)  
 110V±10%, 60Hz(depends on customer demands)  
**Dimension:** 930mm (L)\*700mm (M)\*1110mm (H) for main unit  
 400mm\*370mm\*400mm for monitor  
**Weight:** NET: 75KG, Gross: 100KG for main unit  
 NET: 5KG, Gross: 8.5KG for monitor

#### Standard Configurations

Main unit  
 14 CRT monitor  
 1 pc 3.5 MHz R60 convex probe with 80 elements  
 256 frame cine loop  
 4 USB ports  
 Dual probe connectors  
 Measurement & report software ;  
 One bottle of gel

#### Optional

7.5 MHz linear probe  
 6.5 MHz Trans-vaginal probe  
 3.5 MHz Micro-convex probe  
 6.5 MHz rectal probe  
 15" LCD  
 Printer  
 DICOM3.0

