

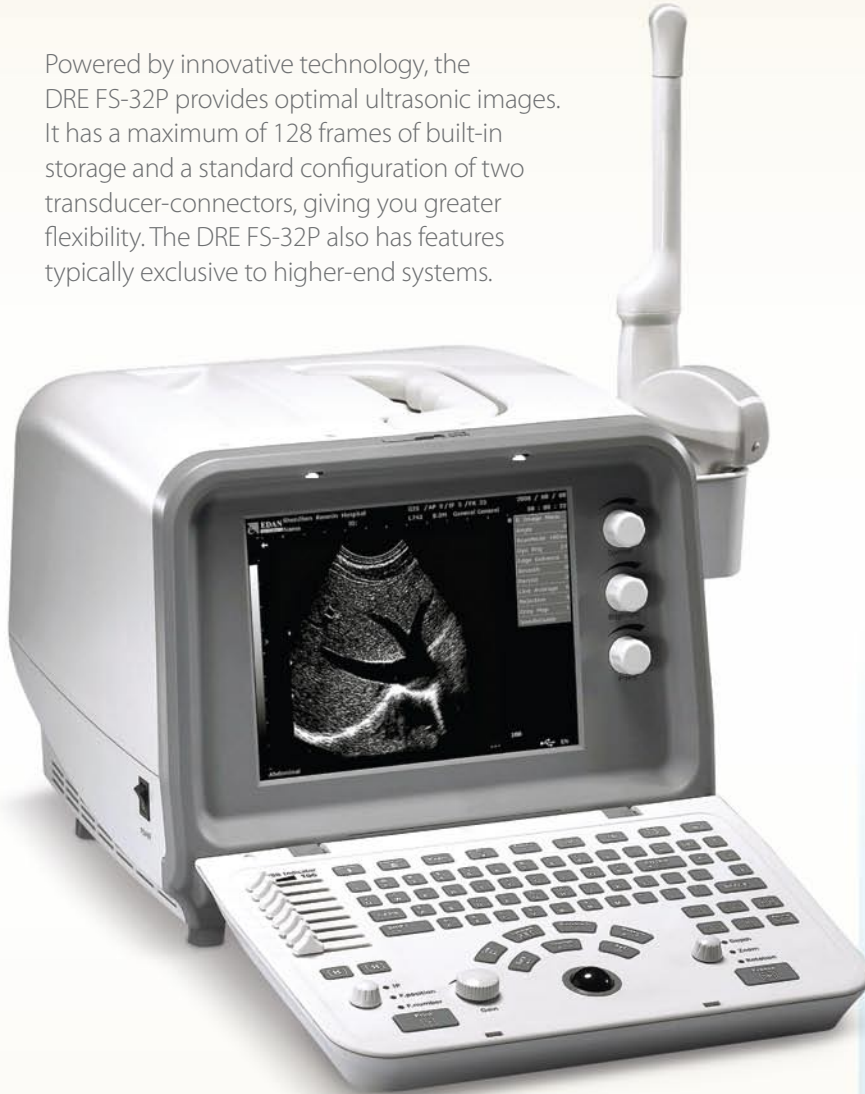
## DRE FS-32P

Digital Ultrasonic Diagnostic Imaging System

Equipment for the way *you* operate

# Affordable digital ultrasonic diagnostic imaging system features advanced digital beam-forming technology

Powered by innovative technology, the DRE FS-32P provides optimal ultrasonic images. It has a maximum of 128 frames of built-in storage and a standard configuration of two transducer-connectors, giving you greater flexibility. The DRE FS-32P also has features typically exclusive to higher-end systems.



### Innovative technology

- Dynamic frequency scan
- Real-time dynamic aperture
- Dynamic receiving apodization
- Digital beam-forming
- Multi-zone transmitting focusing
- Dynamic receiving focusing

### Powerful functions

- IP (image process) function
- Ergonomic backlight keyboard design
- Intelligent 8-segment TGC adjustment
- Panoramic zoom function

### Excellent functions

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



Features a variety of multi-frequency transducers, providing optimal images

# DRE FS-32P

Digital Ultrasonic Diagnostic Imaging System

Equipment for the way *you* operate

## Technical Specifications

### General

Imaging mode	B, B+B, 4B, B+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
	AGC
	8-segment TGC adjustment
	IP (image process)
Post-processing	Gray map
	Gamma correction
	Rejection
	Left-right reverse
	Up-down reverse

### Functions

Cine loop	256 frames bidirectional cine-loop
Zoom	X1.0, X1.2, X1.3, X1.6, X2.0, X2.4, X3.0, X4.0 in real-time
Storage media	Built-in flash, external USB-memory stick
Storage	128 frames permanent image
Body mark	80 types
Transducer:	Auto detection
16-segment acoustic power output adjustment	

### Measurement and 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

### 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

### Additional displays

Peripheral port	Video output 1
	VGA output port 1
	USB port 2
	DICOM3.0 1 (optional)
Power supply	100-240VAC±10% 50Hz/60Hz
Dimensions	353mm (W) x 315mm (L) x 253mm (H)
Net weight	11.5Kg

### Standard configurations

Main unit  
10" non-interlaced monitor  
Two transducer connectors  
256 frames cine loop memory  
128 frames built-in image storage  
Two USB ports  
Measurement and calculation software packages  
Convex array transducer ..... C363-1 (2.5/3.5/5.0MHz)

### Options

Linear array transducer ..... L743 (6/8/10MHz)  
Endorectal transducer ..... E743 (6/8/10MHz)  
Endovaginal 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)

*Also available:* Video printer, laser printer, biopsy guide, DICOM3.0, Footswitch, Mobile trolley, hand carrying bag

### Multi-frequency transducers



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

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

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



Endovaginal: E613  
(5/6.5/8MHz)

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

Endorectal: E743  
(6/8/10MHz)