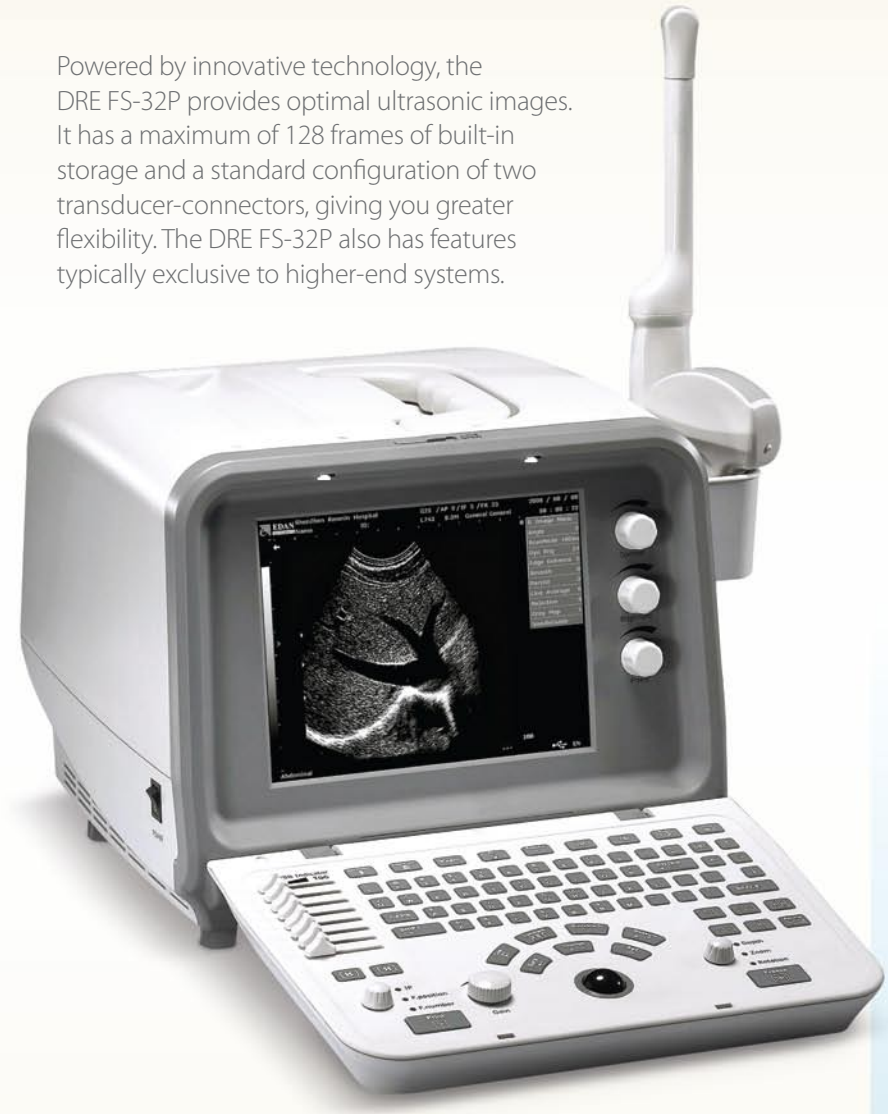
DRE FS-32P

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.



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

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)

1800 Williamson Ct. • Louisville, Kentucky 40223 USA
800-477-2006 • 502-244-4444 • FAX: 502-244-0369

www.dremed.com

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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-sement 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)

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