



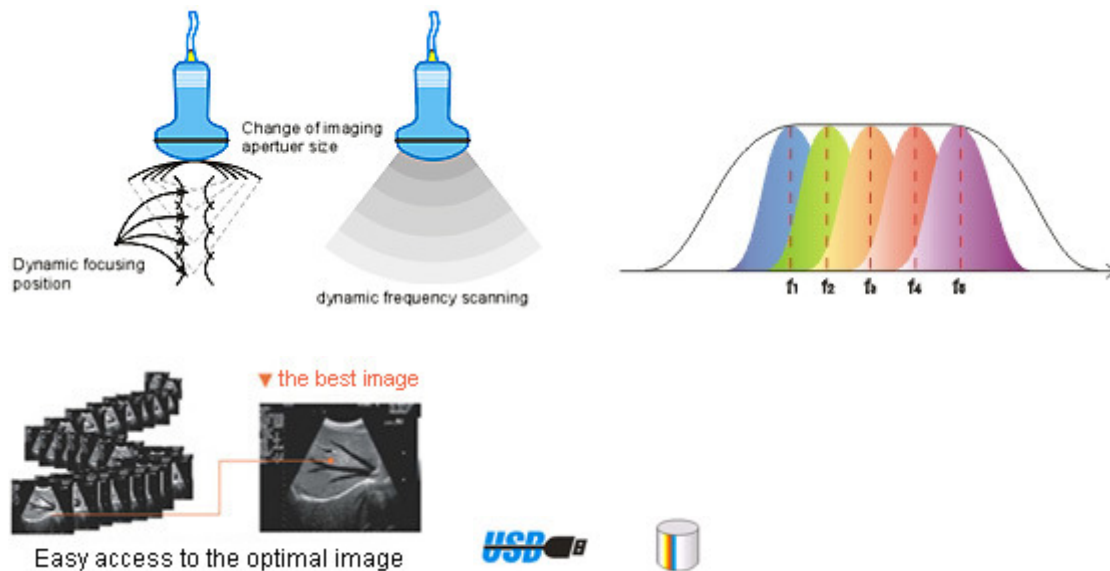
Digital Vision  
**ULTRASOUND**



**Feature:**

- High Cost-effective
- Crystal-clear Image
- Multi-frequency Probes
- Digital Image Storage
- 8 TGC controls
- Cineloop
- B、2B、B/M、4B display
- USB port (option)
- Two probe sockets
- 10 inch screen
- SVGA and PAL video output
- Light key

**DigitalVision**



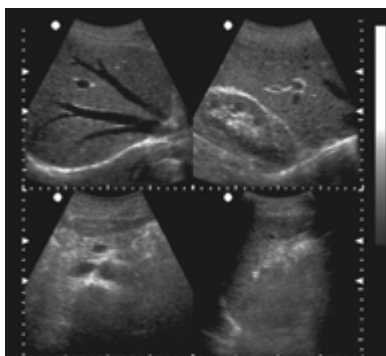
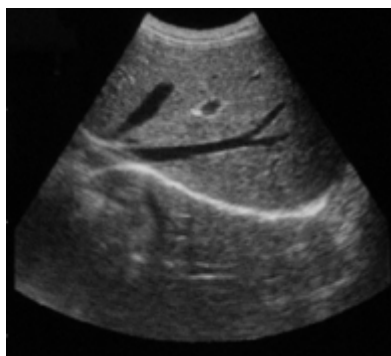
Our all digit and all focus beam forming ultrasound imaging system has been a great success since it is been used by customers. We have used various complicated algorithms to achieve the all digital all focusing system's image quality. And thus, the quality-price ratio has been raised to new standard.

Some of the advanced beam forming technologies are highlighted here:

- All focus beam forming techniques. Unlike the normal digital beam forming, which can only achieve 2~4 focus point for transmit direction and every point for receive direction, this technique can achieve both transmit and receive focusing effect for every single point, and thus greatly enhances the image quality in lateral direction.
- High quality Low Noise Amplifier and high resolution A-D converter.
- Space and frequency compounding. This greatly increased the focus results, and increased signal-to-noise ratio.
- Automatic aperture resizing to increase both near and far field resolution.



**DigitalVision**



### **Main functions:**

Display mode: B, B/B, 4B, B+M, and M

Magnification:  $\times 0.8$ ,  $\times 1.0$ ,  $\times 1.2$  (Depth hoist display), and  $\times 1.5$ ,  $\times 1.8$ ,  $\times 2.0$  (Depth hoist display)

Dynamic range: 64~96dB adjustable

Focusing: Four sections of dynamic electronic focusing may be elected.

Pre-processes: changeable aperture, dynamic changes of the marks, dynamic filter and edge enhancement, etc.

Pro-processes: 8 kind of  $\gamma$  adjustments, 16 kinds of color process, line correlation, frame correlation and linear interpolation, etc.

Frequency conversion: 2.5MHz/3.0MHz/3.5MHz/4.0MHz/6.5MHz/7MHz (Matching 6.5MHz cavity probe and 7 MHz High-frequency linear array probe).

Calculation: distance, perimeter, area, heart rate, pregnancy week (BPD, GS, CRL, FL, AC) and anticipated delivery date.

Note: name, serial numbers of case history, gender, age, 16 body marks (with probe), full-screen character, real-time clock

Puncture guide: The puncture guide line can be displayed under B mode.

Gain control: The total gain, near field and far field can be adjusted successively.

Image polarity: left/right, black/white and up/down reverse.

Fractionated gain: 2 time of enlargements

Movie memory: 256 pictures can be memorized successively when the real-time is displayed.

Image memory: 128 pictures Permanent storage.

Image review: Images can be reviewed successively and checked one by one.

Output interface: 2 groups of SVGA video output may mate with SVGA color monitor. And 2 groups of PAL video output may mate with PAL monitor, video image recording instrument and image workshop, etc. 1 group of USB Connection (Optional).

### **Main technical index:**

Probe: 80Array element R60

Probe frequency: 3.5MHz

Scanning depth:  $\geq 180\text{mm}$

Lateral resolution:  $\leq 2\text{mm}$  (depth  $\leq 80\text{mm}$ ),  $\leq 3\text{mm}$  ( $80 < \text{depth} \leq 130\text{mm}$ )

Axial:  $\leq 1\text{mm}$  (depth  $\leq 80\text{mm}$ ),  $\leq 2\text{mm}$  ( $80 < \text{depth} \leq 130\text{mm}$ )

Dead zone:  $\leq 3\text{ mm}$ .

Geometry position precision: lateral  $\leq 5\%$ , axial  $\leq 5\%$

**Digital Vision**

Monitor: 10 inch SVGA high resolution monitor (may choose PAL monitor)

Frames cine loops: 256

Power supply scope: AC 220V±22V 50Hz

Input: ≤ 300VA

Successive working hours: ≥8h

G/W: 10KGs

N/W: 7KGs

Packing size: 480x380x410mm

**Standard Part:**

Main unit 1 PC

3.5MHz multi-frequency convex probe(You can change to choose an other probe)

1 PC

**Optional:**

Other probes(Linear, Small convex, Endo-cavity)

USB port and function



**Digital Vision**

2-Kalpana Colony, Surendra Nagar

Lucknow, India

+919450751754

[xpressystem@gmail.com](mailto:xpressystem@gmail.com)

**Digital Vision**