

*Power*vision™ 6000

Expand Your Clinical Vision

- All-digital system
- Fully portable
- Elegant, intuitive interface with extensive presets
- Simultaneous Independent Beam Steering in grayscale, color and pulsed-wave Doppler
- True Triplex Imaging with exceptionally high frame rates
- Advanced applications include Contrast and Tissue Harmonic Imaging, Directional Color Angiography, Tissue Doppler Imaging, and Automated Cardiac Flow Measurement
- Network-ready, supports all DICOM service classes
- Packed with powerful Toshiba technology



PowerVision™ 6000

Toshiba Technology: Advancing the Science of Diagnostic Imaging

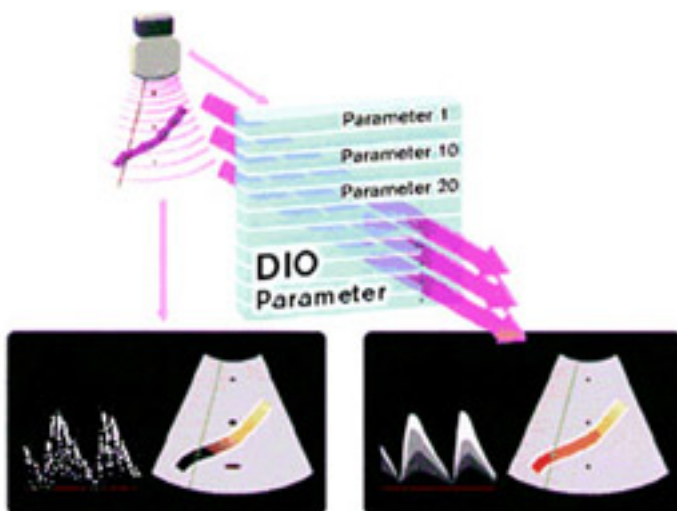
- [Digital Motion Discriminator](#)
- [Digital Image Optimizer](#)
- [Digital Continuous Beam Formation](#)
- [Quad Signal Processing](#)
- [Transducer Technology](#)
- [True Triplex Imaging](#)
- [SMARTtrace](#)

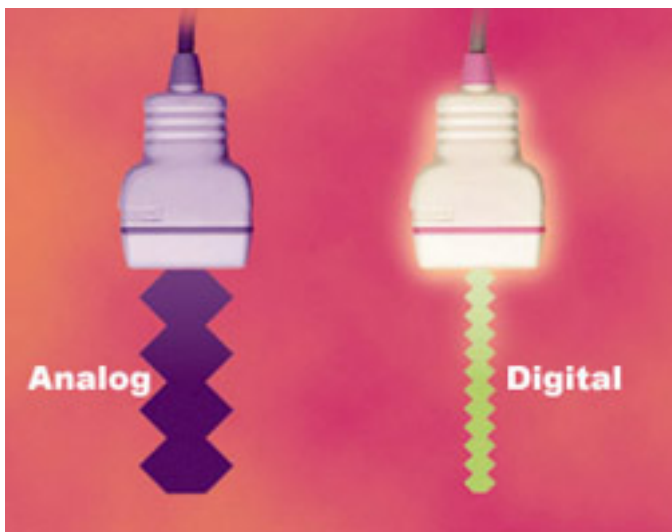
Digital Motion Discriminator

- Eliminates respiratory artifacts
- Maintains frame rates
- Improves signal-to-noise ratio

Digital Image Optimizer

- Generates outstanding images on the toughest patients
- Produces superior and consistent image quality throughout the field of view
- Optimizes contrast resolution and tissue texture





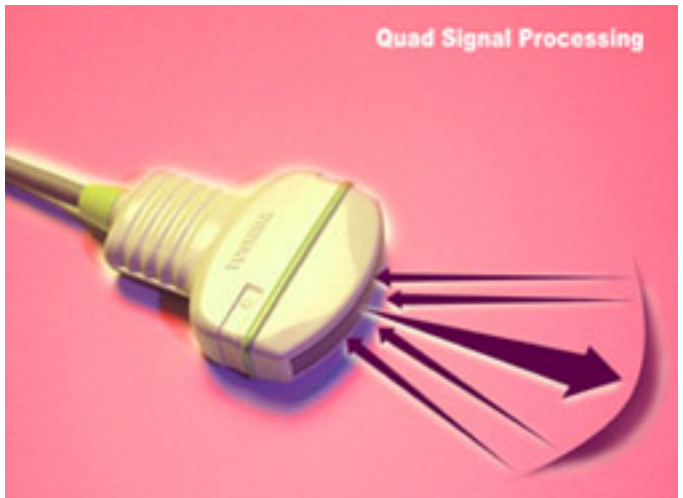
Digital Continuous Beam Formation

- Optimizes image resolution
- Generates a sharply defined ultrasound beam throughout the field of view
- Provides outstanding

detail resolution and reduced artifacts

Quad Signal Processing

- High-speed processing of FOUR times more raw digital data
- Ideal for assessing fast-moving structures
- Distinguishes between high and low velocity jets
- Generates high frame rate images



Transducer Technology

- Improve signal-to-noise ratio for more precise, detailed anatomical information with Toshiba's advanced ceramics and proprietary Chip-in-the-Tip technology
- Achieve the highest possible resolution through

smart transducer software that instantly recognizes transducer operating parameters and automatically adjusts transmit and receive characteristics

- Better optimize all body types because all transducers employ multi-frequency imaging and dual-frequency Doppler

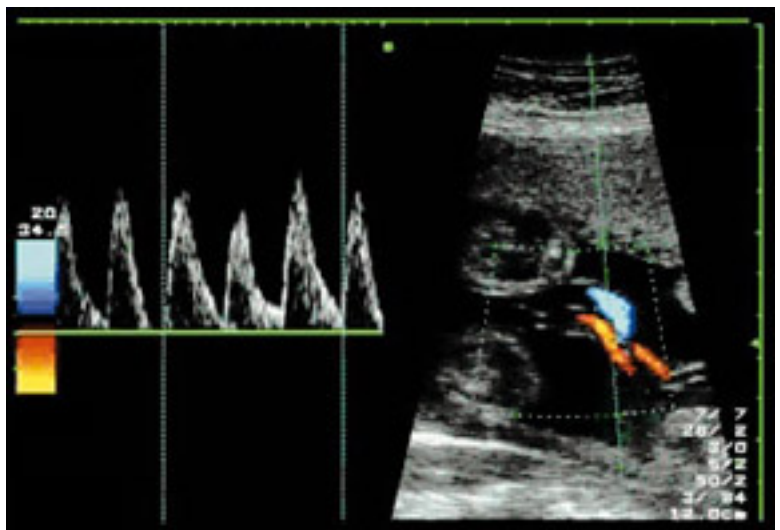


Real-Time True Triplex Imaging

- Provides quick, accurate confirmation of vessel position and reduces exam time on patients uncomfortable holding their breath or unable to remain still during an exam
- Simultaneous display of three modes in real time
- B-mode.
- Spectral Doppler.
- Color Doppler, Color Angio, or Directional Color Angio.

SMARTtrace

- Improve vascular and abdominal studies with Spectral Doppler Quantification Mode, where the Doppler waveform is automatically traced in less than three seconds.



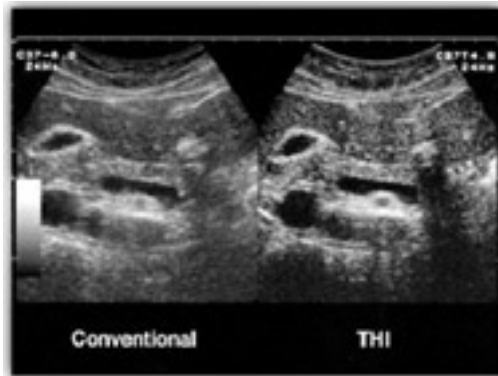
- Improve productivity and increase accuracy and reproducibility of ultrasound measurements.

- Ensure that ultrasound is more quantitative, less subjective and easier to use.
 - Only the best waveforms are included in the measurement.
 - Measurements are automatically transferred to report pages.
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PowerVision™ 6000

Expand Your Clinical Vision with Toshiba's Advanced Applications

- [Tissue Harmonic Imaging](#)
- [Flash Echo Imaging](#)
- [Tissue Doppler Imaging](#)
- [Automated Cardiac Flow Measurement](#)
- [Directional Color Angiography](#)



Tissue Harmonic Imaging

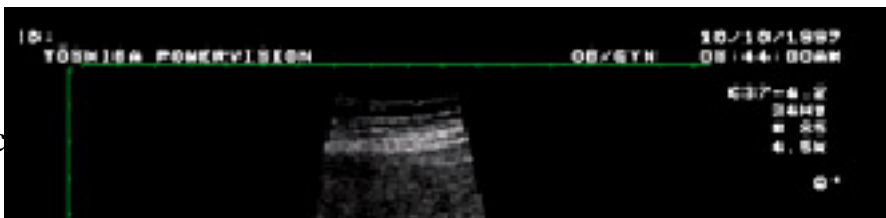
- Offers multiple harmonic frequencies on transducers
- Tissue Harmonics improves 2-D imaging on patients considered undiagnostic or technically difficult
- Contrast Harmonics addresses myocardial perfusion through the use of contrast agents

Flash Echo Imaging

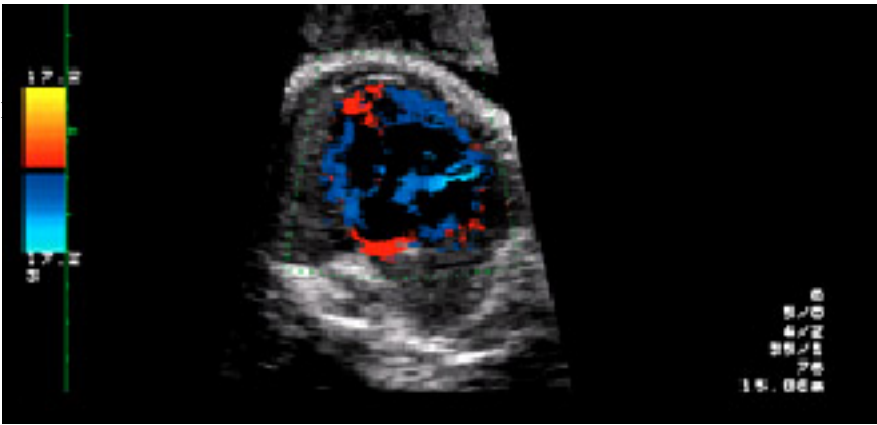
- Maximizes visualization of contrast agents
- Optimizes clinical efficacy
- Increases system utility with Toshiba's unique flash monitoring mode
- Allows quantitative comparison of contrast regions
- Enables qualitative review of digitally subtracted frames

Tissue Doppler Imaging

Better assess
vessel
compliance,
arteriosclerotic
disease



progression
and plaque
characterization
in vascular
studies
through new
color-encoded
display



- Uses the same color Doppler technology used to image blood flow and applies it to tissue motion
- Adds objectivity to stress echo exams - making it easier to see wall motion abnormalities
- Aids in structure identification on patients considered undiagnostic or technically difficult

Automated Cardiac Flow Measurement (ACM)

A sophisticated, non-invasive method for quantifying color Doppler information. This patented technique makes it possible to obtain a reliable and accurately reproducible cardiac output measurement within only 15 seconds. ACM may be used to follow the effects of treatment where cardiac output may be affected. With the increased accuracy and reproducibility of ACM, new opportunities exist for echocardiography to reduce the need for more invasive procedures.

- It's fast- measurements in 15 seconds or less!
- It's accurate- calculates up to 50 velocity profiles per measurement!
- And it's automated- reduces exam times!

Directional Color Angiography (DCA)

- Combines the sensitivity of conventional color angio with the directional information of color Doppler in one precise procedure
 - Provides added value when studying very low flows or small vessels: With DCA these can be easily reconstructed without artifacts
 - DCA's ability to display superb temporal resolution and reduce exam time are enhanced with Toshiba's high frame rates and Digital Motion Discriminator
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