

# SonoRad V20

**A Reliable Color Doppler  
for Your Diagnostic Needs**



# SonoRad V20

Equipped with innovative RF Platform, SonoRad V20 delivers superior quality images with excellent clinical value in a wide range of applications.

- Excellent Image Quality
- Streamlined Workflow
- Ergonomic Design
- Superior Clinical Value

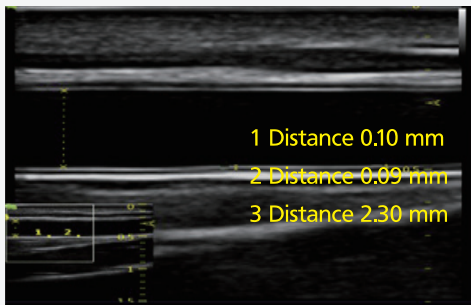
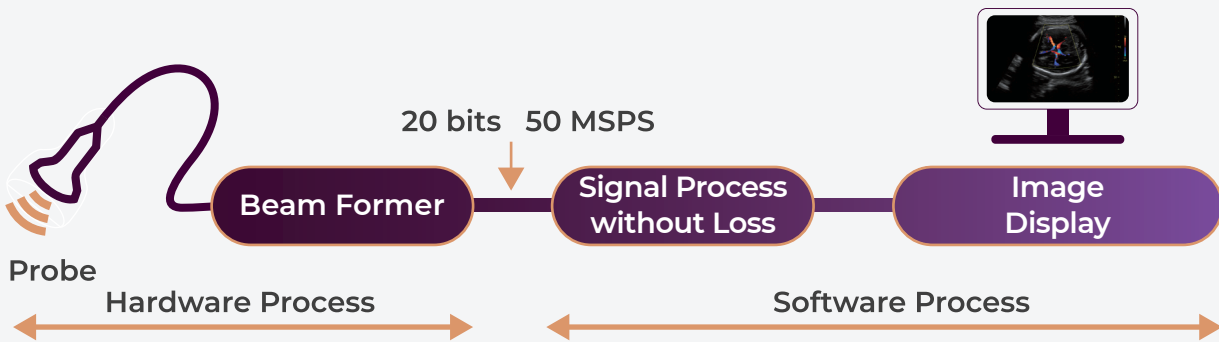


## Excellent Image Quality

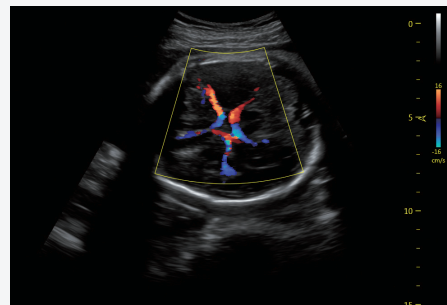
SonoRad V20 is powered by Advanced Imaging Architecture which is backed by Comprehensive Image Processing tools which leads to Superior & Consistent Image quality.

### Innovative RF Platform

With Trivitron's Innovative RF Platform, SonoRad V20 can acquire 40 times of raw signal for back-end process which represents better resolution, powerful post process capability and hence delivers superior image quality.

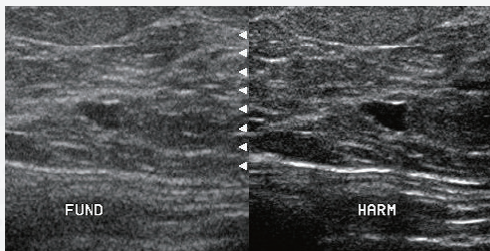


Precise IMT Measurement within 0.1mm

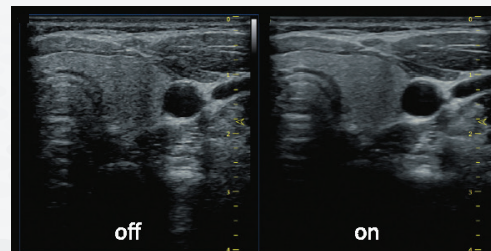


Low Velocity Color Flow by RF Platform

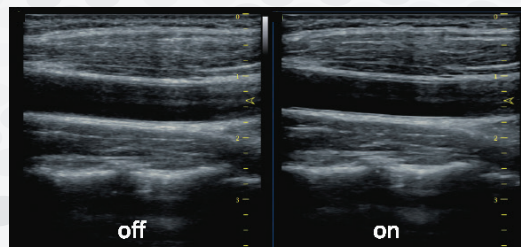
## Comprehensive Image Processing Tools



Pulse Inversion Harmonic Imaging



Multiple Compound Imaging



Speckle Reduction Imaging



# Streamlined Workflow

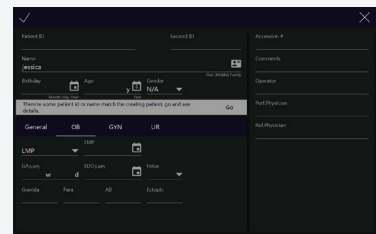
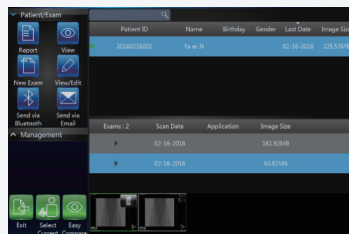
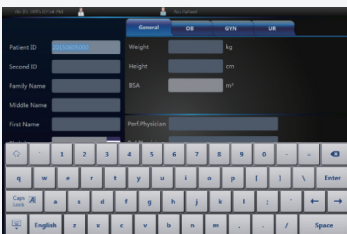
## Intuitive Touch panel Operation



10 inch LED Touch Panel

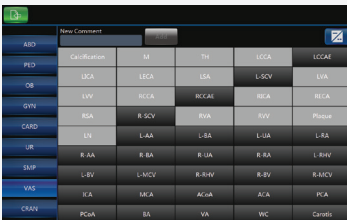
- Measurement on projected image on touch panel
- Zoom in/out the projected Image on touch panel
- Rotate or erase on projected 3D/4D image on touch panel
- User defined gestures using two fingers for more functions

## Easy Patient Data Management

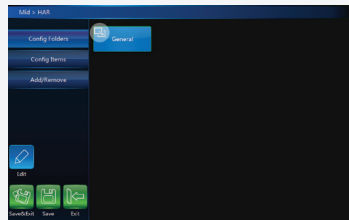


Easy Data Transfer: 3 USB Ports, DICOM 3.0

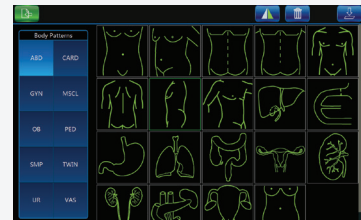
## Self-defined Exam Protocol



Self-defined comment sequence

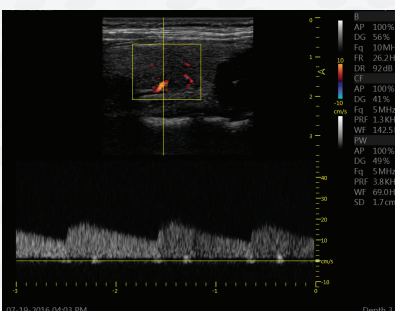


Self-defined Measurement

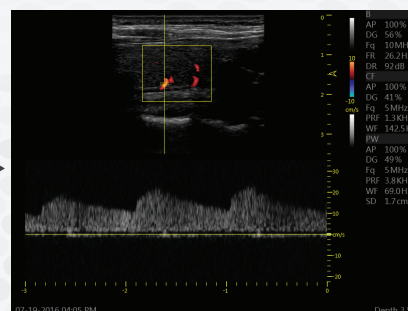


You can import and export the body pattern in JPG or PNG format

## Auto Optimization



One Key Optimization →



One key to optimize the gain, PRF, baseline on B, CFM and PW mode



## Ergonomic Design

The ergonomic design makes your daily work more comfortable & highly efficient



19 inch LED Monitor with Articulating Arm



Intuitive & Height Adjustable Control Panel



Storage Space



Three Probe Ports



One Step Caster Lock Mechanism



## Wide Range of Probes



2.0 MHz-6.5 MHz  
Convex



6.0 MHz-16 MHz  
Linear



2.0 MHz-5.0 MHz  
Phased Array



3.0 MHz-6.0 MHz  
Volume Convex



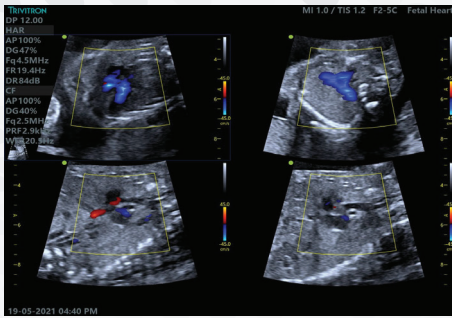
5.0 MHz-11 MHz  
Transvaginal



5.0 MHz-11 MHz  
Micro Convex

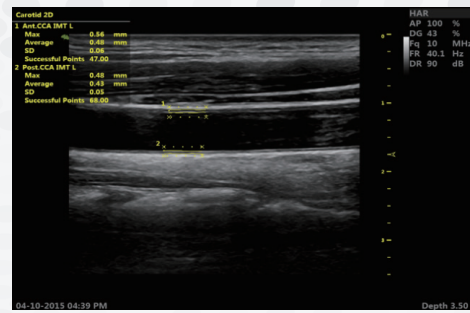
# Superior Clinical Value

## Color Flow



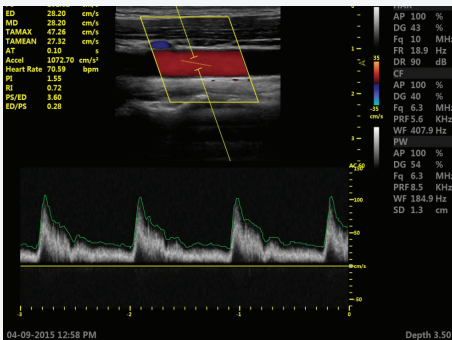
Color Flow is essential for conclusive diagnosis as it provides the path of the blood flow for better visualization of any abnormalities in the particular organ

## Auto IMT



Automatically traces the intima and measures the thickness of the intima. This allows you to measure the intima faster with more accuracy. By setting an ROI vessel's longitudinal image, max and mean IMT can be computed automatically. This is favourable in determining the extent of plaque build-up in walls of arteries

## Triplex Mode



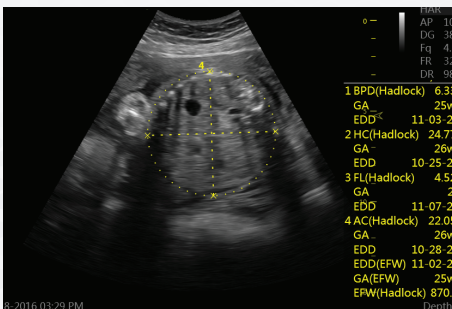
Duplex & Triplex Modes allows 2 and 3 modes to be active at the same time respectively. Eg:- Doppler in a 2D image or 2D image with color flow and Doppler. Auto trace helps in the automatic measurement once the spectrum is formed in Doppler mode which saves time and provides the accurate values.

## 4D



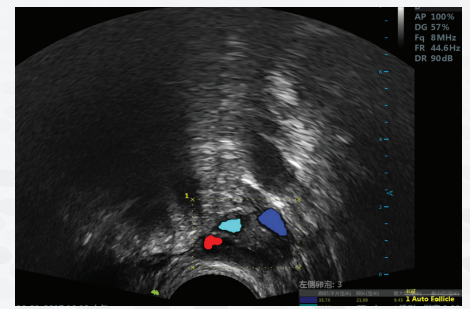
Lightweight and Compact Volume probe allows for smooth display of Fetal movements. Highly visible volume data can be obtained easily with the probe. Four dimensional imaging can play a role as a prenatal communication tool connecting mother with her fetus.

## Auto OB



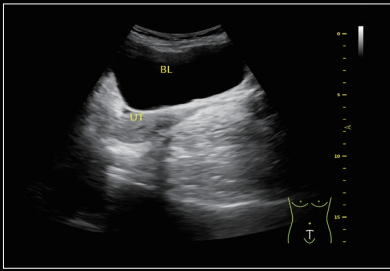
Fully automated measurements of BPD, HC, AC, FL. Efficient, accurate and saves time for the Sonographer.

## Auto Follicle

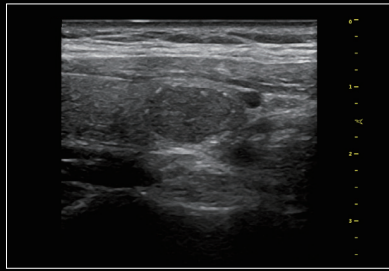


Auto follicular Volume Measurement provides quicker analysis of follicular number and size than conventional 2D ultrasound, without any loss in measurement validity. A time saving tool in an extremely tedious procedure of measuring total follicular volume.

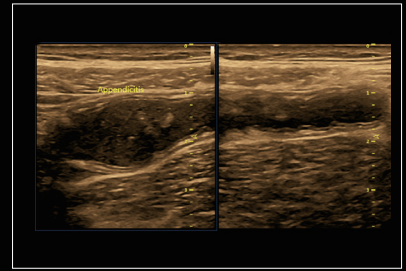
# Superior Clinical Value



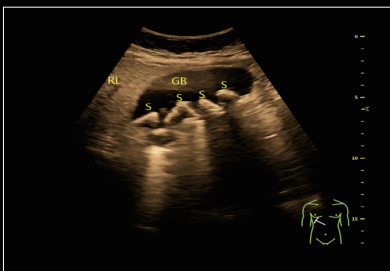
Bladder



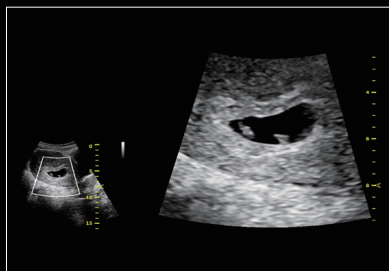
Nodule in Thyroid



Appendicitis



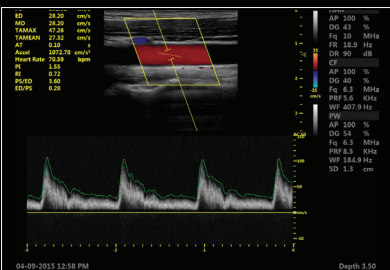
Callstone in chroma



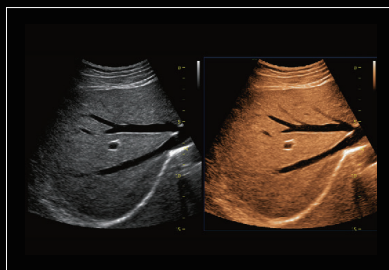
Early Pregnancy-write zoom



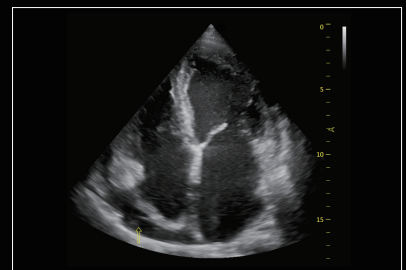
Fetal Details



Auto Trace in PW/CW Mode



Liver

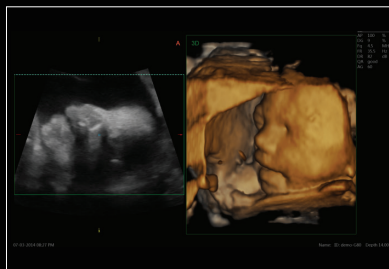


Cardiac

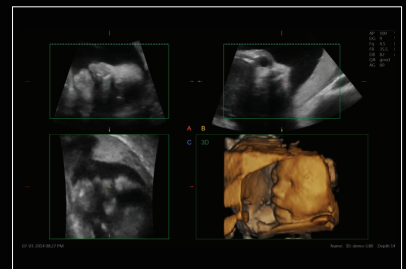
## 4D - Flexible Display Format



Single



Dual



Quad



# TRIVITRON

HEALTHCARE

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*speaking your language*

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