

# SonoRad *Excellence*

**POWERFUL AND VERSATILE  
COLOR DOPPLER**



Trivitron Healthcare Private Limited  
A-16, Patalganga Industrial Area, Khalapur, Raigarh - 410220. INDIA  
Ph: +91 022 6840 2211 Website [www.trivitron.com](http://www.trivitron.com)

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# SonoRad Excellence

Your powerful and versatile tool for everyday

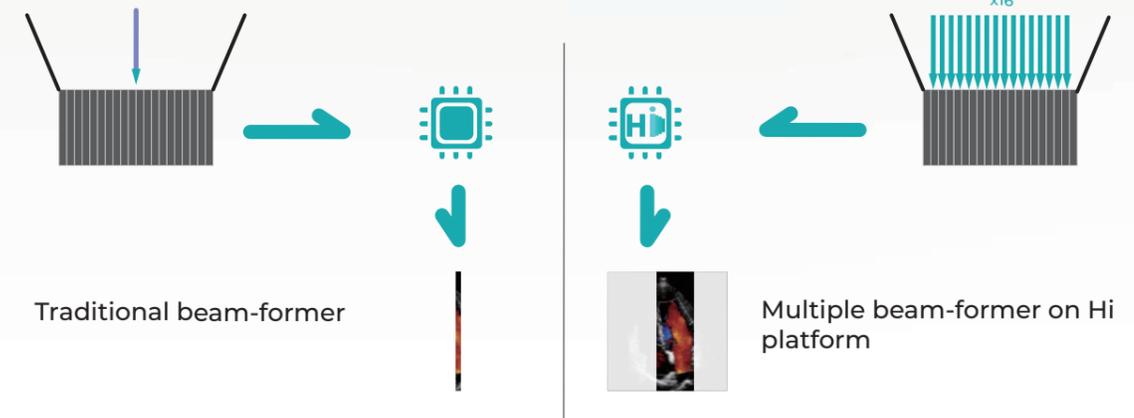
Sonorad Excellence is a new expert of cart-based Color Doppler ultrasound scanner, combining balanced performance, efficient workflow and versatile applications. It can be used in different applications, for example, radiology, OB/GYN, cardiology, pediatric, MSK, etc.

## Advanced Platform



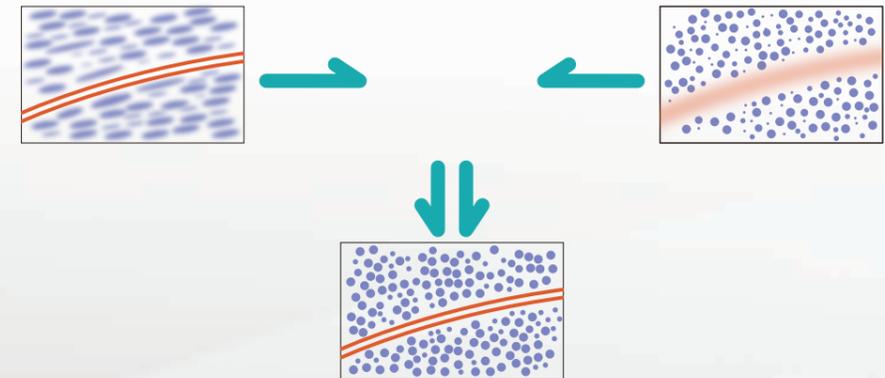
### Hi Platform

"Harmony Imaging Platform" is the 2<sup>nd</sup> generation beam forming technology. Multiple frames are acquired on every launch sequence for more detailed information.



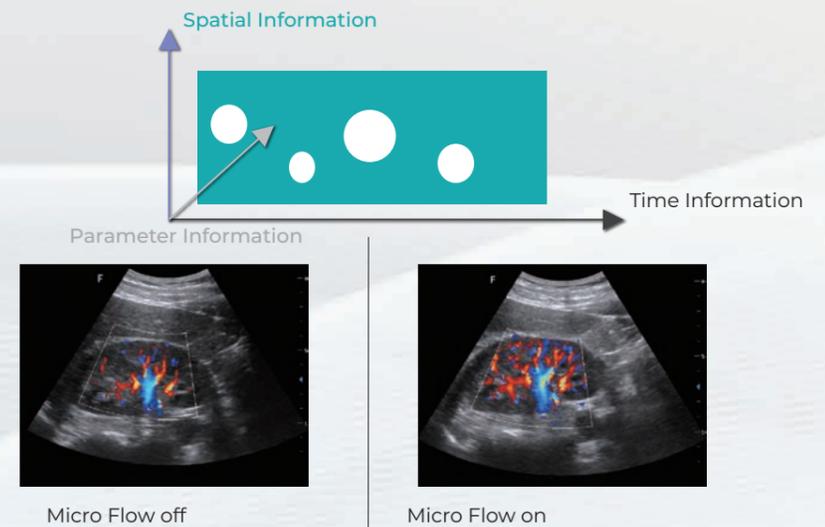
### SNS<sup>+</sup>

Automatically detect and suppress the speckle noise base on multi-dimension algorithm. Acquire and enhance tissue details from different direction, easily capture sub-millimeter level lesion or large organ boarder.



### Micro Flow

To detect blood flow based on time information, spatial information, and parameter information (speed/energy/variance).



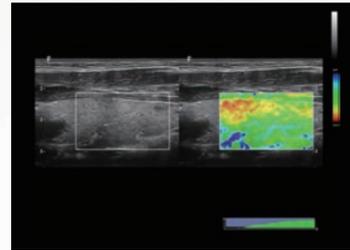
Multi-dimension BloodTesting

# Powerful in diagnostics, diverse in applications



## Elastography

Real time elastography is a new noninvasive and painless technique that can help determine the hardness of organs and other structures such as the breast, thyroid and prostate. Elastic imaging provides users with dynamic visual information and displays the rigidity of organs, which is helpful for direct and quantitative diagnosis and treatment.



## Contrast Imaging

Pulse inversion contrast-enhanced ultrasound imaging technology can accurately extract the second harmonic of contrast microbubbles, realize contrast-enhanced imaging with high contrast-to-tissue ratio, and provide more detailed diagnosis for clinic.



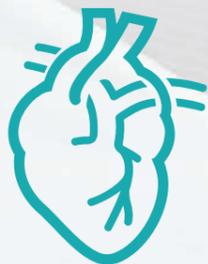
## STI

On the basis of three-dimensional imaging, sono tomography imaging(STI) displays several parallel section images of the region of interest in the same plane at the same time. It is convenient for doctors to observe the section information of the target structure and get the imaging results which are not easy to get by conventional two-dimensional ultrasound.



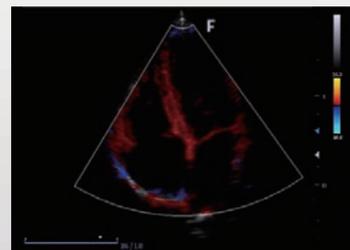
## OmniRecon

On the basis of three-dimensional imaging, Omni Reconstruction presents the section structure of the reconstructed object in any direction through image processing technology, which is helpful for doctors to observe the details of spine and other curved structures more conveniently and make more accurate diagnosis.



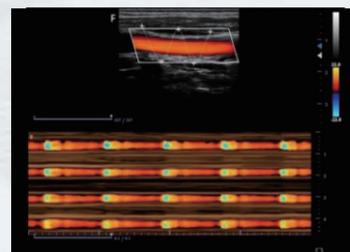
## Tissue Doppler Imaging

Tissue Doppler Imaging (TDI) is a robust and reproducible echocardiographic tool that employs the Doppler effect to assess muscle wall characteristics throughout the cardiac cycle including velocity, displacement, deformation, and event timings. It has permitted a quantitative assessment of both global and regional function and timing of myocardial events.



## Curved AM

Curved Anatomical M-Mode (CAM) technology can show all the spatial and temporal relationship of myocardial segment movements during the cardiac cycle in the scanning sector, which provides a new measurement method to quantitatively analysis the abnormalities of segmental myocardial motion during systolic or diastolic period.



## 3DCUT

3DCut is an important functional component in 3D imaging. Using image processing technology, 3DCut allows doctors to remove the structure that blocks the region of interest in 3D reconstruction results, which is more convenient for diagnosis.



## Auto NT

The thickness of nuchal translucency(NT) is very important for the early screening of chromosomal abnormalities. Auto NT can automatically recognize the thickness of the NT of the fetus, greatly simplifying the operation of the doctors.





## Transducers

Trivitron provides multiple transducers for different clinical areas of your need



### Bonding technique

By uniform bonding process, adhesive to interconnect ceramic and lead is well controlled (max thickness: 1um) to improve performance uniformity among elements.



### Triple matching layers

Better sensitivity and bandwidth can be achieved through triple matching layers.



### Micro-elements cutting

By micro-elements cutting, one element is cut into several sub-elements to increase sensitivity and bandwidth of transducer.



## Enhanced Ergonomics



High-definition 21.5 inch monitor



13.3 inch touch screen



Cable management solution



Intuitive control panel without keyboard



Single crystal transducer solution



# On A **Global Mission** With A **Local Heart**

...Speaking your language in 180 countries



\*Please note: Product specifications are subject to change without prior notice owing to product modifications, improvements / up-gradation. Clinical images shown in the brochure are representative only. Actual images may vary based on specifications of the product bought by the customer.

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A-16, Patalganga Industrial Area, Khalapur,  
Raigarh - 410220. INDIA

**+91 98400 80008**

**leads@trivitron.com | www.trivitron.com**

