



Apogee 1200



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Apogee 1200

ALL-IN-ONE SMART SOLUTION
FOR GENERAL IMAGING



Apogee 1200

Innovative technology always brings brand-new vision to customers, so does Apogee 1200

By adopting the latest imaging technology from SIUI R&D department, **Apogee 1200** with 15-inch medical HD LCD, was born to be smart enough to provide the quality and reliable ultrasound imaging solution for radiologist and cardiologist.

SMART CARDIO-VASCULAR KITS

From various imaging mode to internal hardware module to software application, **Apogee 1200** provides the smart cardio-vascular package to cover most necessary requirements by cardiologist, such as HPRF, steering CW, color M mode, TDI, anatomical M mode, built-in ECG, stress echo, auto IMT measurements and Tei index measurements.

◎ Color M Mode

By Combining Color Flow Doppler with Motion Echocardiography, the versatile color M mode provides a best tool to evaluate the 2D/time relations between cardiac flow and cardiac structure movements.

◎ TDI

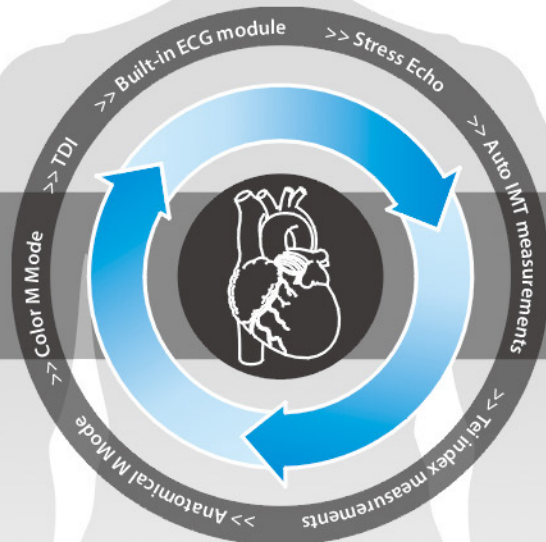
Tissue Doppler Imaging helps indicate visible velocity of heart wall motion based on Doppler effect, providing supporting evidence for cardiac diagnostics.

◎ Built-in ECG module

The ECG module assists identification of different time phase in the cardiac cycle for accurate diagnosis

◎ Tei index measurements

The Tei index is a facilitating echocardiographic measurement of ventricular function in adults and children.



◎ Anatomical M Mode

With free 360 degrees rotation and maximum 3 sample lines options, the powerful anatomical M mode assist more exactly analysis of cardiac structure movement even in difficult heart positioning.

◎ Stress Echo

The stress echo package, including physical and pharmacological stress, provides an effective way to observe how the cardiac muscles respond to stress, for diagnosis of coronary artery disease.

◎ Auto IMT measurements

The system automatically helps measure the Intima-Media Thickness of the carotid artery wall, as to evaluate cardiovascular diseases such as hypertension diabetes and so on.

PIONEERING IMAGING TECHNOLOGY

Excellent diagnostic results base on reliable imaging technology. All imaging technology adopted by the system aims at one goal: going all out for perfecting exceptional image quality.

© Spectrum Compound Imaging

The system both emits and receives in varieties of frequency range, to guarantee both resolution in the near field and penetration in the far field.

© Broadband Harmonic Imaging

The system has successfully achieved both high penetration and spatial resolution in the Harmonic mode by compounding varieties of Harmonic echo.

© Multi-beam Forming Technology

The system has ability to multiply receive and process scanning lines of images from each element, which largely increase the frame rate of images in B mode and 4D mode.

© Adaptive Speckle Reduction Technology

The system is able to automatically track, identify and enhance useful tissue-characteristic information via 2 modes of SRT technology, as a result of enhancing diagnostic performance.

© Spatial Compound Imaging

The system can scan the target by multi-direction beam forming thus easing echo artifact and improving spatial resolution.

© Accurate Doppler Flow Imaging

The system is designed to analyze the position of Doppler signal and make adaption simultaneously, for the purpose of enhancing the Doppler signal, increasing the penetration of Doppler signal and reducing the Doppler artifact.

