

E3

# Cardiology Imaging

The background of the slide is a vibrant blue. Overlaid on this are several circular and hexagonal shapes, each containing a different type of medical image. These include cardiac ultrasound scans showing heart motion, MRI slices of the brain and heart, and CT scan images. The shapes are interconnected by thin blue lines, creating a network-like pattern. The text 'Cardiology Imaging' is prominently displayed in the center in a large, white, sans-serif font.

# Enabled by two building blocks

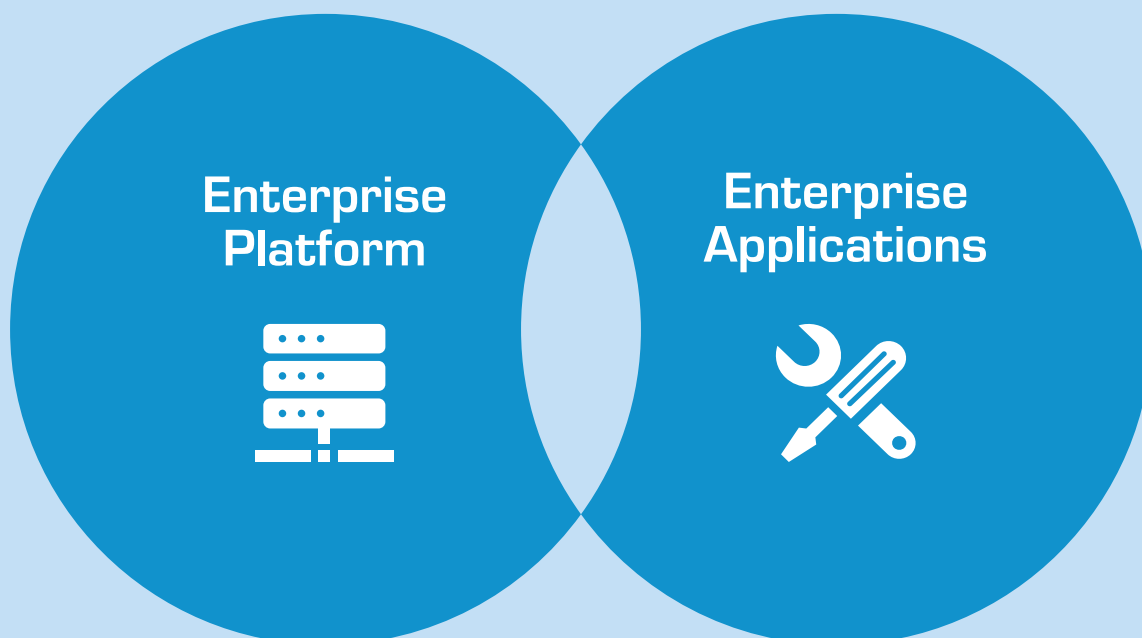
It is simple—all our Enterprise software modules and solutions are built from the same two components:

## The Enterprise Platform

—establishes a reliable foundation, stores content, and ensures secure and accessible use on-premises or remotely. No matter how many software modules you decide to use, the reliable platform component serves as the foundation for all of them.

## The Enterprise Applications

—provide easy-to-use functionality for capturing, diagnostics, reporting, and collaboration in a single desktop application, one universal viewer, and an upload & store app with desktop and web versions—all designed to speed up imaging workflows.





# Cardiology Imaging

The Cardiology imaging software module enables efficient reading of cardiovascular procedures using a single application. Modalities store images in the Sectra Enterprise Platform, enabling image review without increasing IT complexity. Users view and interact with cardiology content using the same applications as the other software modules in Sectra One. Sectra IDS7 is used for diagnostic review, and Sectra UniView is used for result distribution and enabling content for the referral.



## Applications and features for Cardiology Imaging

The Sectra Cardiology Imaging software module offers diagnostic workflows with its inherent features, complemented by top-tier third-party cardiology add-ons.

### Sectra IDS7 for Cardiology Imaging

Sectra IDS7/dx is the diagnostic application that allows for efficient cardiology imaging. It enables viewing and interaction with ECG, Echo, Cath, MRI, and CT images. Any medical data available in the Sectra Enterprise Platform can be viewed, providing you with a complete patient overview for efficient and accurate clinical decisions.

### Echocardiography add-ons

The Echocardiography add-ons are integrated with Sectra IDS7 and provide all of the tools needed for day-to-day reviews as well as research in echocardiography. It includes cardiovascular ultrasound quantification tools, and you can choose from a variety of Echocardiography add-ons. There are two levels of echocardiography applications and three measurement mapping services to choose from.

#### SECTRA ECHO VIEWER

On the horizon is the Sectra Echo Viewer, which promises to transform the viewing of ultrasound series, delivering unparalleled speed and seamless interaction.

#### ECHOCARDIOGRAPHY ESSENTIAL

The Echocardiography Essential package is ideal for those working with Echocardiography ultrasound reviewing. This software suite can be used to replace all other imaging software for quantifications of cardiovascular ultrasound. The tools below populate results automatically in your choice of structured reporting:

- Stress-tests
- Ventricles and valves
- Vascular studies
- Auto contour and quantification

#### ECHOCARDIOGRAPHY PREMIUM

The Echocardiography Premium package is ideal for those needing advanced applications, such as 4D visualizations. Tools included:

- 3D quantifications of mitral valve, left ventricle, and right ventricle
- Global and regional assessment of myocardial mechanics
- Generic three-dimensional software solution including distance, area, curve, and angle measurements for pathologies as atrial and ventricular septal defects

#### MEASUREMENT MAPPING SERVICES

You can harmonize echocardiography reporting by using the measurement mapping services. It is possible to convert the measurements generated on the carts into one consistent format of DICOM SR. After the conversion, a third-party reporting package can efficiently import measurements independently from the ultrasound systems. We support three different conventional measurement ranges:

### Cardiac nuclear imaging add-ons

The Cardiac nuclear imaging add-ons are ideal for those reviewing SPECT and PET studies. With them, you can perform cardiac perfusion assessment in any remote reading facility—even from home—and reconstruct images from a diverse set of modalities. You can also customize how studies are presented to accommodate all preferences.

#### SPECT

The SPECT package is ideal if you perform TOMO quality assurance and review the myocardial perfusion and function. The package offers planar and SPECT blood pool quantification and includes segmental scoring overlays, also known as bullseyes, to include in the study.

#### PET

The PET package includes comprehensive tools for reviewing PET studies. Review perfusion, viability, and function all in a single application. It also includes support for inflammatory workflow and PET standard uptake value (SUV).

### Cardiac catheterization add-ons

#### TOOLS FOR XA IMAGES

The tools for XA images support XA image review and present the entire patient history in a single view. In the event of remote reading, the solution can be used for quantification and review of Cath studies. You can use these tools to visualize digital subtraction angiography, analyze the left ventricle, or measure stenosis in coronary arteries.

#### CATH LAB ADD-ON

The Cath lab package add-on enables adequate viewing of Cath lab images. The quantification toolset is seamlessly integrated and includes:

- Quantitative coronary analysis (QCA)
- Quantitative left ventricle analysis (QLVA)
- Digital subtraction analysis (DSA)

### Sectra UniView for Cardiology Imaging

Sectra UniView enables viewing of ECG, Echo, Cath, MRI, and CT images. It is also possible to view reports and provide your referrals with a complete patient overview, making the next step in the patient pathway shorter.