



# EDISON APPLICATIONS



**AFI 2.0** leverages AI-enabled View Recognition on Vivid™ E95/E90 to automatically select optimal views and easily, accurately assess LV wall motion.

**NEW AIR x™** uses deep learning algorithms that automatically identify anatomical structures to prescribe slices for routine and challenging neurological exams, improving productivity and delivering consistent results.

**NEW AIR™ Recon DL+, delivering TrueFidelity™ Images,** is a deep-learning application designed to improve signal-to-noise and image sharpness, enabling shorter scan times.

\*510(k) pending at U.S. FDA. Not available for sale in the United States.

**Alarm Spotlight** provides information to help combat alarm fatigue including numbers of alarms by type, high and low limit settings, as needed.

**Auto Doppler Assistant on LOGIQ™** determines location and direction of vessels in order to automatically place color ROI and the Doppler gate in appropriate location to steer them in correct direction.

**Auto EF 2.0** uses View Recognition on Vivid™ E95/E90 to simplify ejection fraction assessment by automatically selecting the most appropriate images to speed quantification and workflow.

**Automated Lesion Segmentation on LOGIQ™** segments user-identified breast, thyroid or liver lesions, providing a trace of the lesion boundary and the corresponding area.

**NEW Auto Positioning\*** uses real-time depth sensing technology and a deep learning algorithm to automatically center your patient with one click, for a completely hands-free positioning experience.

\*510(k) pending at U.S. FDA. Not available for sale in the United States.

**NEW AutoRight™** is the first neural network-based interventional image chain that automatically optimizes image and dose parameters in real time.

**AW CardID Suite** pre-processes the cardiac image and automatically displays and labels the coronary tree. User can then access tools to complete stenosis assessment and plaque assessment.

**AW CardIQ Function** automatically pre-processes and loads exams, detects all chambers in all phases, calculates ejection fraction and chamber volume analysis, myocardial mass with bull's eye images, and end-systolic and end-diastolic volumes.

**AW CardIQ Xpress** is used to reformat and analyze 2D or 3D cardiac CT images for qualitative or quantitative assessment of heart anatomy and coronary artery vessels from a single or multiple cardiac phase image data sets.

**NEW AW FastStroke\*** provides a comprehensive workflow solution for reviewing all CT series acquired for acute stroke workup with exceptional flexibility and simplicity.

\*510(k) pending at U.S. FDA. Not available for sale in the United States.

**NEW AW Hepatic VCAR\*** utilizes deep learning to generate fast, reproducible results for segmenting the liver and the hepatic artery and provides a guided workflow for assessing the complete liver anatomy to assist in surgical planning and lesion evaluation.

\*510(k) pending at U.S. FDA. Not available for sale in the United States.

**AW TAVI** automatically segments the aorta and displays the aortic valve in multiple views for quick and easy measurements of the annulus.

**AW VessellQ Express** provides easily accessible, user-friendly tools to analyze 3D angiographic data.

**AW Volume Viewer** enables visualization of the spine and dedicated spine protocols and guided workflow.

**Bladder Volume on Vscan™** leverages machine learning to help automate protocols, including capturing bladder volume at any time during an exam.

**Bone VCAR** includes automatic spine labeling and display of the rib cage rolled on a 2D planar reformat.

**NEW Breast Assistant\*, powered by Koios DS™, on LOGIQ™ E10** automatically provides an AI-based quantitative risk assessment that aligns to a BI-RADS® category. Results are available in two seconds or less, providing decision support for the clinician.

\*Not CE Marked. Cannot be placed on the market or put into service until it has been made to comply with the Medical Device Directive requirements for CE marking. Not available in all countries.

**Cardiac Auto Doppler** provides Doppler measurements over all heart cycles for the most common parameters with minimal user interaction, supporting consistent results in advanced studies and potentially saving time.

**NEW CardIQ Flow\*** is designed to offer a PET Cardiac solution that integrates perfusion, function, viability, CFR and Coronary Flow Capacity maps.

\*510(k) pending at U.S. FDA. Not available for sale in the United States.

**Carestation™ Insights Agent Cost** helps you to drive low flow anesthesia strategies that can reduce agent waste in the OR, resulting in both cost savings and reduction in your environmental impact.

**Carestation™ Insights Checkout** helps support your quality and operations goals by providing a view of the anesthesia machine checkout status across your department to ensure readiness for the start of surgery.

**Carestation™ Insights Lung Protective Ventilation** supports the implementation of your lung protective ventilation strategy that can reduce post-operative complications by providing the visibility you need to effectively drive change.

**Centricity™ Universal Viewer** employs patented deep learning technology that reduces image setup time, helping to improve reading productivity.

**Cmr42 Analysis** uses deep learning-based contour detection for comprehensive Cardiac MR analysis.

**NEW Critical Care Suite** automatically analyzes images upon acquisition, for critical findings (pneumothorax), producing triage notifications to be sent directly to PACS without having to route images to an edge server or cloud AI solution.

**CT Smart Subscription\*** provides access to all the latest software for CT devices, all the time, for one fee per device per year.

\*Available On: Revolution Apex, Revolution Frontier Gen 2, Revolution EVO Gen 2, Revolution HD, Discovery CT 750 HD, Optima CT 660

**DoseWatch™** is designed to automatically collect and analyze patient radiation and iodine exposure across multi-facility, multi-modality, and multi-vendor imaging environments.

**Edison™ Datalogue™ Insights** derives intelligence from the data stored in the Edison Datalogue Connect VNA to provide insight into enterprise-wide IT investments, resources, and clinical processes.

**NEW Edison Open AI Orchestrator** simplifies the selection, deployment and usage of AI in imaging workflows at scale.

**NEW Embo ASSIST\*** with Virtual Injection, is a 3D visualization software solution designed to help clinicians simulate injections dynamically and thus perform embolization procedures with confidence.

\*510(k) pending at U.S. FDA. Not available for sale in the United States.

**NEW Helix 2.0 Advanced Image Processing on Discovery™ XR656 HD** harnesses artificial intelligence to deliver enhancements in image presentation consistency.

**NEW Imaging Insights** provides a full fleet (multi-vendor, multi-modality) practice summary of asset utilization, protocol and dose, quality assurance, patient experience and referral metrics. Now including Mammography analytics. Imaging Insights Radiology Operations Module connects directly to Centricity™ RIS or select third party RIS to help improve patient workflow, scheduling, and staff training opportunities.

**Imaging Protocol Manager** is a cloud-based solution that allows providers to manage protocols across their enterprise efficiently and effectively.

**NEW Intelligent Protocols** leverages a proprietary machine learning algorithm, and uses information from the patient's exam order history and a site's own CT practice to suggest the best protocol for each patient exam.

**NEW Interventional Cardiology Insights** provides key actionable insights to help manage complexity in departmental operations and inventory management.

**Liver ASSIST V.I.** is a software package that supports visualization of the vasculature in the liver, such as tumor feeding vessels. It also uses Virtual Injection, with the power of simulation, to help physicians plan liver embolizations with confidence.

**Metal Artifact Reduction (MAR)** detects metallic objects and artifacts automatically for correction.

**Motion Freeze** is a pioneering solution to compensate for involuntary respiratory motion artifacts on interventional CBCT images.

**MR Intelligent SAR** uses machine learning for fast and accurate SAR estimates.

**MUSE™ ECG Insights** provides information about department performance, helping clinical leaders optimize workflow, improve asset utilization, and achieve higher quality patient throughput.

**Needle ASSIST** helps clinicians define needle trajectory and provides 3D visualization of needle positions during an intervention to help physicians improve their accuracy, reduce dose, and optimize workflow for needle interventions.

**OB Measure Assistant on LOGIQ™** automatically segments out the appropriate structure from the user identified image (including head circumference, biparietal diameter, abdominal circumference or femur length) and annotates it with associated measurements.

**PCI ASSIST** is automated image optimization software which improves visibility in moving anatomy without increasing dose.

**PET VCAR** streamlines the assessment of metabolic data, giving you the ability to interpret, quantify and manage PET/CT datasets more efficiently.

**NEW PROView 2.0\*** is a guided workflow that utilizes deep learning to automate prostate segmentation\* delivering consistent results for quantification, PSA density, lesion mapping and measurement utilizing. It uses the latest integrated PI-RADS™ v2.1 report guidelines to help standardize the MR evaluation of prostate cancer.

\*510(k) pending at U.S. FDA. Not available for sale in the United States.

**Quantib Brain** allows automatic labeling, visualization and volumetric quantification of brain structures using machine learning based automatic segmentation.

**Shock Toolkit on the Venue™ Family** includes three automated tools that enable you to get essential Ultrasound information quickly when triaging patients.

**NEW SIGNA™ Works Smart Subscription\*** provides access to the latest capabilities to streamline workflow and productivity through automated processing while creating a micro-cloud environment within your firewall for your MR devices, for one annual fee.

\*Available for AW Server and other third-party applications

**NEW Smart Scheduling** utilizes machine learning algorithms to determine probabilities of scheduled exams to be fulfilled to help improve processes for better patient access.

**SonoCNS on Voluson™** assists the user to properly align, display and measure the ISUOG recommended views of the fetal brain.

**TrueFidelity™ CT Images** use deep learning image reconstruction to generate images with deep detail, true texture and high fidelity for every CT scan.

\*Available on: Revolution Apex, Revolution CT, Revolution CT ES.

On Revolution EVO Gen 3 is 510(k) pending at U.S. FDA and not available for sale in the United States.

**Tube Watch** remotely monitors the tube and predicts failure, allowing for planned replacement downtime. Replacement parts can be delivered before failure and service replacement scheduled.

**Valve ASSIST 2** is a software package that provides an intuitive workflow for planning structural heart procedures including measurement, access route evaluation, and export of landmarks to the interventional suite for guidance under live fluoroscopic imaging.

**Vessel ASSIST** extracts bone, vessel and calcifications to create vessel centerlines that serve as visual tracks to guide on during MIS revascularization.

**ViosWorks Analysis** enables deep learning based automated segmentation in the cloud for comprehensive cardiac MR analysis.

**X-ray Quality Application** is an on-premise service offering hassle-free reporting with automatic data-gathering from multiple vendors—providing an intuitive and user-friendly experience that enables users to visualize trends and create targeted training solutions.

