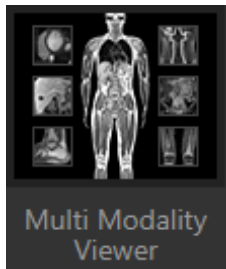
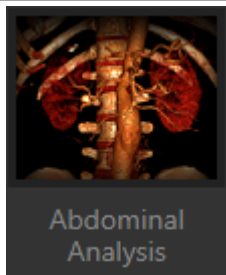
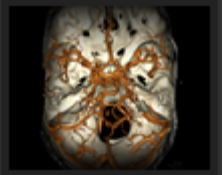
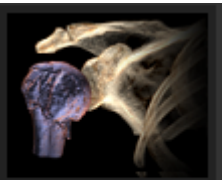


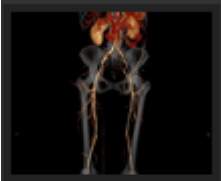
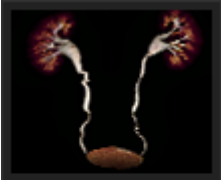
VITREA SOFTWARE BASE APPLICATIONS

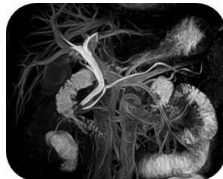
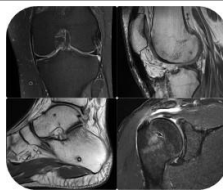
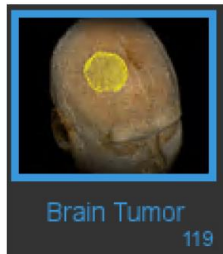
Model Name: VLO-BASE/LO

This package is the foundation of Canon Medical Systems' advanced visualization. It includes 2D, 3D and 4D viewing with image subtraction and time intensity analysis. Post-processing tools such as whole body stitching and vascular analysis are available along with basic export and reporting. Below are the list of applications available with the Vitrea software base.

Application Name	Description	
Multi-Modality Viewer	Multi-Modality Viewer allows the examination and manipulation of medical images obtained from MRI, CT, US, CR, DX, RG, RF, XA, PET and PET/CT scanners. The viewer enables clinicians to compare multiple series for the same patient, side-by-side, and switch to other integrated applications to further examine the data. 3D MPR is an feature within the Multi-Modality Viewer allowing to create and save MPR reconstructions as well as 3D reconstructions	 Multi Modality Viewer
Global Illumination	Global Illumination Rendering (GIR) is an alternate 3D rendering technique to help provide a more photorealistic view of human anatomy. Users are able to acquire and share these images for communication and education. Global Illumination is available in select Vitrea Advanced Visualization workflows for CT, MR and XA modality data. GIR Enables more photo-realistic rendering to aid communication between imaging specialists, clinicians, and patients. It is highly interactive and easy to use	
CT Abdominal Analysis	The CT Abdominal Analysis workflow provides tools to visualize and evaluate the aorta in the abdomen.	 Abdominal Analysis

CT Circle of Willis	The CT Circle of Willis data in the Vitrea Software removes the bone and demonstrates the vascular anatomy of the intracranial vessels for possible occlusion or aneurysms.	 Circle of Willis
CT Carotid	The CT Carotid workflow provides tools to visualize and evaluate the carotid and vertebral vessels. The evaluation of contrast filled carotid arteries can be performed with one-click segmentation. The one click segmentation permits you to easily calculate arterial stenosis and plaque burden.	 Carotid
CT Larynx Airway	The CT Larynx Airway Analysis workflow is used for the visualization and evaluation of the larynx airway.	 Larynx Airway
CT Musculoskeletal	The Vitrea software gives many options for viewing many different types of orthopedic anatomy from metal hardware within the spine to artificial joints. The CT Musculoskeletal workflow provides clinical tools and visualization of muscles, soft tissue injuries, cortical bone and joint displacement. The software also allows to disarticulate joints by a simple sculpting method.	 Musculoskeletal
CT Renal	The CT Renal data in the Vitrea software removes the bone and the workflow enables the visualization of renal anatomy using CT angiography studies.	 Renal

CT Runoff	The CT Runoff Analysis workflow provides the ability to visualize and measure bone and vessel structures. The Vitrea software removes the bone and the workflow assists in the evaluation of occlusion or focal stenosis in patients with peripheral artery diseases. The Vessel Probe option segments contrast filled peripheral arteries and permits to calculate arterial stenosis and plaque burden.	 Runoff
Peripheral Vessel Probe	Refer to CT Runoff Analysis	
CT Urogram	The CT Urogram Analysis workflow enables to visualize and evaluate the kidneys, ureters and bladder. The Vitrea software automatically removes the bone in the initial view.	 Urogram Analysis
CT Vascular Aorta	The CT Aorta Analysis workflow enables users to visualize and evaluate the aorta vasculature. The bone is automatically removed and the Automated Vessel Measurements option is designed to support activities such as pre surgical diagnosis, evaluation and stent planning in the	 Vascular Aorta
Filming	The Filming software outputs the CT & MR images saved in the Vitrea Workstation and the analysis results obtained from the CT & MR images in the specified layout to the imager or printer.	 Filming

MR Vascular Analysis	The MR Vascular workflow evaluates vascular anatomy from MR angiography studies.	
MR Abdominal Analysis	The MR Abdominal Analysis workflow provides general clinical tools and visualization settings to review and analyze MR abdominal exams.	
MR Musculoskeletal	The MR Musculoskeletal workflow views types of orthopedic studies with presets for optimal visualization of soft tissue and bony structures.	
MR Brain Tumor	The MR Brain Tumor workflow is intended for the analysis/quantification of tumor volumes obtained from MR brain series scans using a special 2D view.	
MR Stitching	MR Stitching is an application in Vitrea which can be launched from the Study list or from other Vitrea integrated applications, and is able to handle 2d medical images of modality type MR. The application assists in combining images covering distinct contiguous, or slightly overlapping, regions of the human body anatomy into one or multiple images for the purpose of DICOM export and subsequent diagnostic reading, clinical review and/or post-processing in Vitrea integrated applications other than the MR Stitching application itself, or in any other external application which is able to receive and handle DICOM images of modality type MR. The application provides an algorithm to combine aforementioned images in an automated fashion while allowing the user at any time to verify and correct the algorithm output result.	