



ADVANCED TECHNOLOGY

# **alma** **WORKSTATION**



**RADIOLOGY**



**alma**  
medical imaging

# almaWORKSTATION

## DIAGNOSING THE FUTURE TOGETHER

A suit of digital medical image viewers specially designed for use on radiology workstations with high-resolution, medical-grade monitors, that include advanced state-of-the-art tools.

CE  
1639

As a healthcare product, Alma WORKSTATION meets the strictest quality requirements. The product complies with Directive 93/42/EEC on medical devices, and has been certified by SGS Belgium (Notified Body number 1639), obtaining Class IIa CE marking. WORKSTATION is also compatible with the international DICOM standard and has been validated as an image viewer by the international organization IHE (Integrating the Healthcare Enterprise).



### alma2DVIEWER

**Multimodality DICOM viewer** which includes **state-of-the-art tools** for the visualization and analysis of digital medical images.

- Management, comparison and synchronization of image series and sequences.
- Advanced measurement and ROI calculation tools.
- Creation and management of key images (KIN).
- Export of studies and CD recording.
- Subtraction of tomographic series.
- Image stitching.



### alma3DVOLUME

**DICOM viewer of tomographic series** featuring **advanced tools** of high diagnostic quality for **3D reconstruction and volume rendering**.

- Interactive 3D VR, MIP and MPR visualization and synchronization of multiple 3D models. Automatic rotation of the VR view.
- Automatic and manual segmentation and export in STL format for 3D printing.
- Predefined and configurable color palettes.
- Workflow management and customized visualization protocols.



### almaMPR

**DICOM Multiplanar Reconstruction** viewer for **interactive visualization** from any Axial, Sagittal, Coronal, Oblique, Double Oblique and Curved plane.

- Simultaneous MPR views in real time, with configurable slice thickness control and MIP, MinIP and VR projection.
- Generation of new series from any plane.
- Co-registration and synchronization of 3D series and upload of multiple 3D models.
- Measurement, annotation and ROI tools.



### almaMAMMO

**DICOM viewer** designed for **accurate and efficient** evaluation of **2D and 3D mammography studies (Tomosynthesis)**.

- Automatic image classification by projection, laterality and temporality and automatic comparison with the patient's previous scans.
- Advanced management of visualization protocols and customized workflow configuration.
- Integration with automatic diagnosis systems (CAD).
- Tomosynthesis positioning marks.



## alma**ORTHO**

**DICOM viewer for Orthopedics and Traumatology** offering tools for pre- and post-surgical planning of prosthetic interventions.

- Database with + 10.000 digital templates of hip, knee and shoulder prosthesis.
- Automatic planning of hip prosthesis implants.
- Post-surgical tests (Lee&Charnley, Gruen and Acetabulum Opening).
- Annotations and measurements on the image Telemetry.
- Clipping and semi-automatic repositioning of the image for fracture analysis.



## alma**NUCLEAR**

**DICOM viewer for diagnostic imaging of Nuclear Medicine** scans, from CT images, scintigraphy images or PET.

- Advanced CT/PET and CT/SPECT scanner fusion tools.
- MPR of CT, PET/SPECT and FUSION images.
- SUV (Standard Uptake Value) and ROI quantification tools.
- Specific library of color palettes in the fused image.
- Synchronization of views by Field Of View.
- MIP view with automatic rotation.



## alma**VASCULAR**

**DICOM viewer for advanced vascular analysis and diagnosis.** It includes tools for anomaly detection and surgical planning.

- Automatic segmentation of the vascular structure.
- Curved MPR reconstruction, Panoramic, Endoluminal, Paraxial, 3D graphics...
- Relevant data of vascular analysis and stenosis.
- Analysis of calcifications.
- Automatic detection of vascular paths.



## alma**CARDIO**

**DICOM viewer** specially designed for the **visualization and analysis of cardiology studies from XA-DICOM.**

- Advanced tools for the visualization and analysis of cardiovascular pathologies.
  - Quantitative Coronary Analysis (QCA)
  - Left Ventricular Analysis (LVA)
  - Digital Subtraction Analysis (DSA)
- ECG tools.



## alma**DENTAL**

**DICOM viewer** designed for **odontology and maxillofacial surgery**, including tools for **panoramic, paraxial and three-dimensional views.**

- Automatic generation of Orthopantomographies and Orthoradial Images.
- Three-dimensional reconstruction from CT.
- Positioning of the mandibular arch.
- MPR, MIP, MinMIP and Average reconstruction.
- Automatic generation of Paraxial Images by pieces/segments of the Dental Arch.



## **ALMA MEDICAL IMAGING**

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