

AVANSE

DR / PACS / RIS / DIAGON

Complete
Diagnostic
Solution



Digital Radiography

Avanse

The family of complete DR software solutions



Over the last 19 years we have been specializing in the field of Digital Radiography producing two outstanding families of products: Vision – the family of DR devices and Avanse – the family of complete software solutions. As a Technology owner, we are developing all of our products in-house. It allows us to constantly improve and upgrade it to the point of excellence.

Avanse DR

is designed for your benefit.

Avanse DR is a cutting-edge digital radiography software for image acquisition, display, processing, archiving, and integrated control of diagnostic X-ray devices. It displays acquired images to the operator and provides tools for manipulating, processing, and exporting **DICOM** images to permanent archives such as **PACS**, **CD**, dry film, and so on.

Avanse DR integrates your radiography system into a modern digital radiology workflow. The **DICOM** and **HL7/GDT** integration module connects to worklist servers (**MWL**, **RIS**, and **HIS systems**) and archives images to a variety of **PACS** archives, **DICOM** patient **CD burners** (with included viewer on any **PC**), and **DICOM** printers. As a result, **Avanse DR** can serve as the brains of your very own digital radiology department.

Avanse DR Benefits:

- Affordable
- Reliable performance
- Intuitive user interface
- Native language environment
- Faster examinations and simpler workflow
- Exceptional time savings
- Less stress, more satisfaction
- Enhanced details and reduced noise





original
image

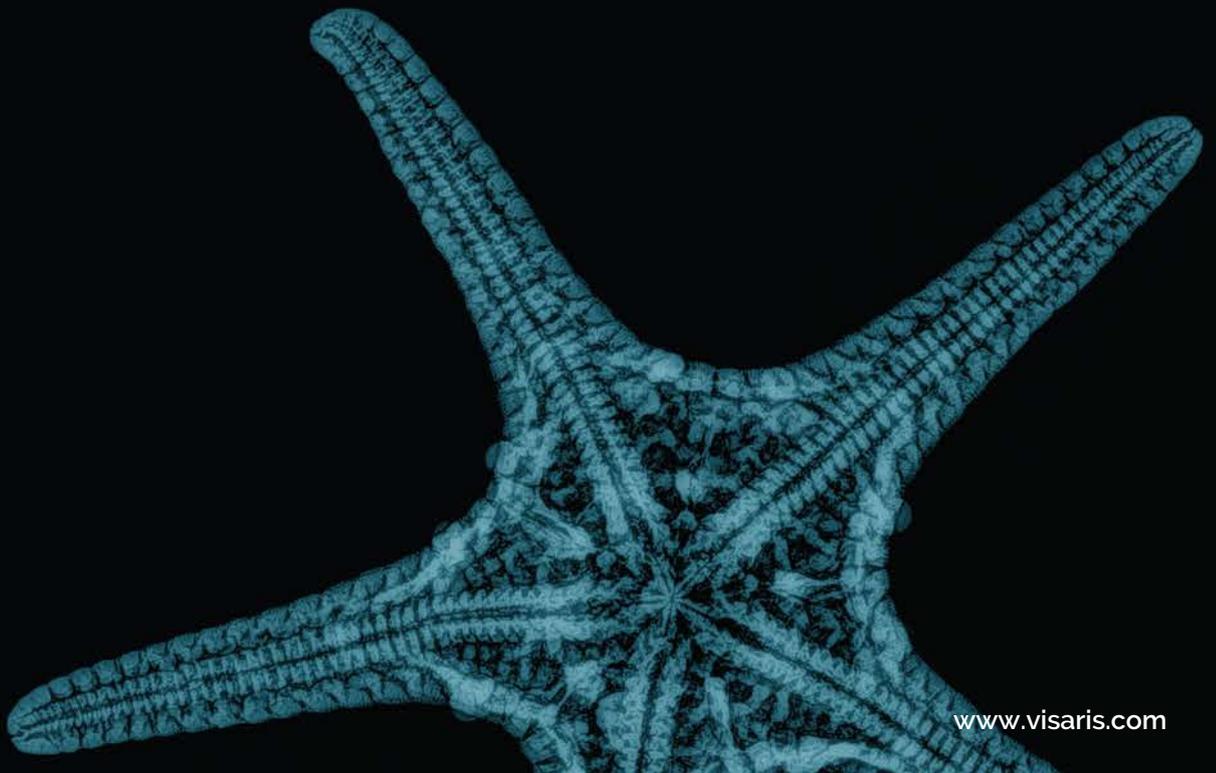
No compromise – Avanse DR demonstrates perfection **IMAGE PROCESSING**

To ensure optimal visualization of each anatomy, **Avanse DR** digital image processing is automatically adjusted according to the selected imaging protocol. Intelligent exposure latitude correction corrects over- and under-exposed images automatically, eliminating the need for retakes.

Intuitive user controls make it simple to navigate the vast visualization capabilities provided by **Visaris' XIP® X-ray** image enhancement package, whether it's multi-scale enhancement, noise suppression, or simply image contrast and brightness.



XIP
processed



Workflow Enhancement Features:

Avanse DR examinations are completed in three simple steps: register, expose, and export. A high level of automation, including worklist import, automatic high-repeatability image processing, and

auto **PACS** archiving, allows for almost hands-free exposure. Meanwhile, you can work in a familiar environment thanks to significant customization flexibility, including multi-language support.



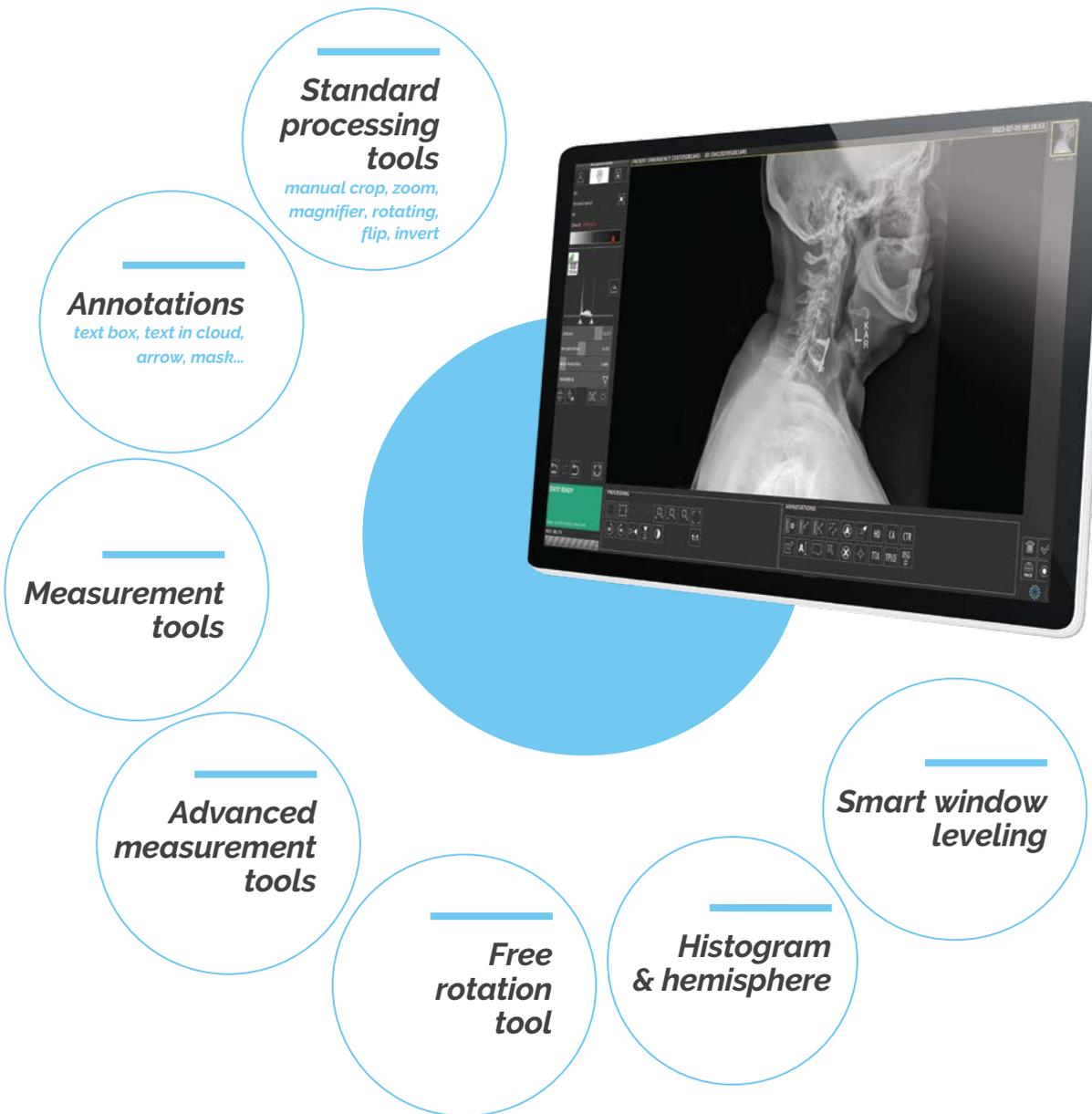


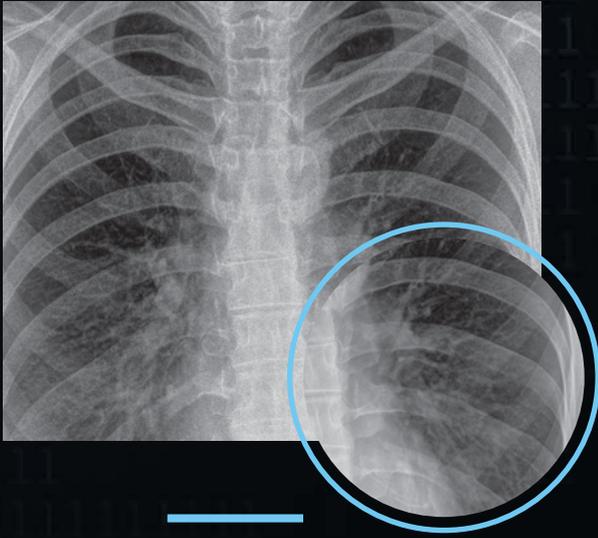
-
- **Smart card login**
 - **DICOM Modality Worklist**
 - **Barcode reader**
 - **Easy and clear projection choice**
 - **Patient Foldering**
 - **Unlimited APR**
 - **Dual operator mode**
 - **Auto Advanced Acquisition**
 - **Repeat View**
 - **Possibility to have up to 9 detectors in one system**
 - **Detector sharing between systems**
 - **Software calculated DAP**

Image Processing Options

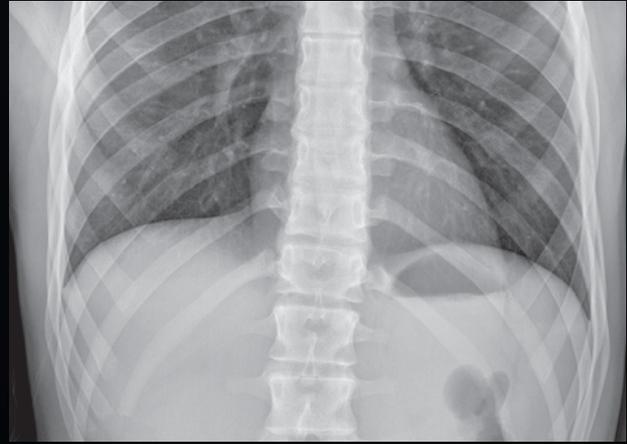
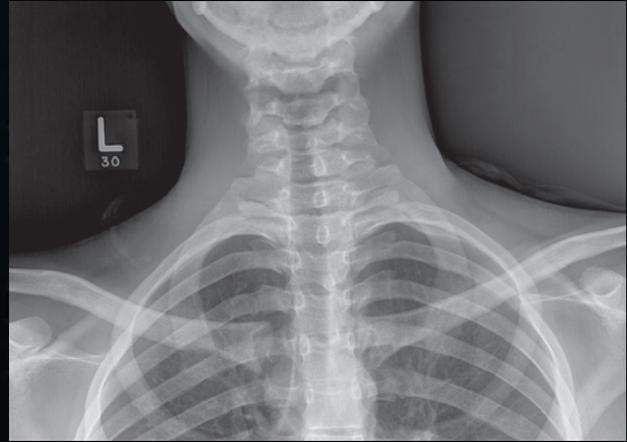
In addition to intelligent automated image processing, there are numerous software options for image postprocessing. All of the tools are easily

visible and intuitive, so even if the operator is seeing the software for the first time, he or she can easily navigate through it.





Virtual grid



**STITCHING
mode**

Manual and automated

**Visualization of soft tissues
and bones
in different images**

Retrofit solution

With the latest generation **Csl flat panel detectors**, **Avanse DR** can convert your film or **CR system** into a digital radiography system with all of the benefits of digital imaging such as higher image quality, lower dosages, shorter examination times, and lower operating costs. **Avanse DR** provides exceptional imaging ergonomics, diagnostic flexibility, and reliability through a highly integrated digital acquisition console.

Avanse DR is an ideal solution for digitally upgrading your diagnostic radiography capability, and is available in configurations with fixed or portable wireless flat panel detectors and a variety of advanced imaging functions.

Depending on the device you want to digitize. The **Avanse DR** retrofit is available in two configurations.

1 Avanse DR Retrofit in AED mode and

2 Fully integrated Avanse DR Retrofit

The fully integrated **Avanse DR Retrofit** can incorporate and control X-ray system components such as the generator and collimator. The **VXS²** embedded control module enables a truly integrated system in which component information and control are centralized on the imaging console, eliminating the need for a separate generator console (available on supported generators only).

Avanse DR software options:

- **Detector sharing option** – share WiFi detectors between systems
- **Additional detector option** – implement multi-detector systems
- **Manual stitching software option** – stitch long anatomy images easily
- **Image management options**



Avanse 360

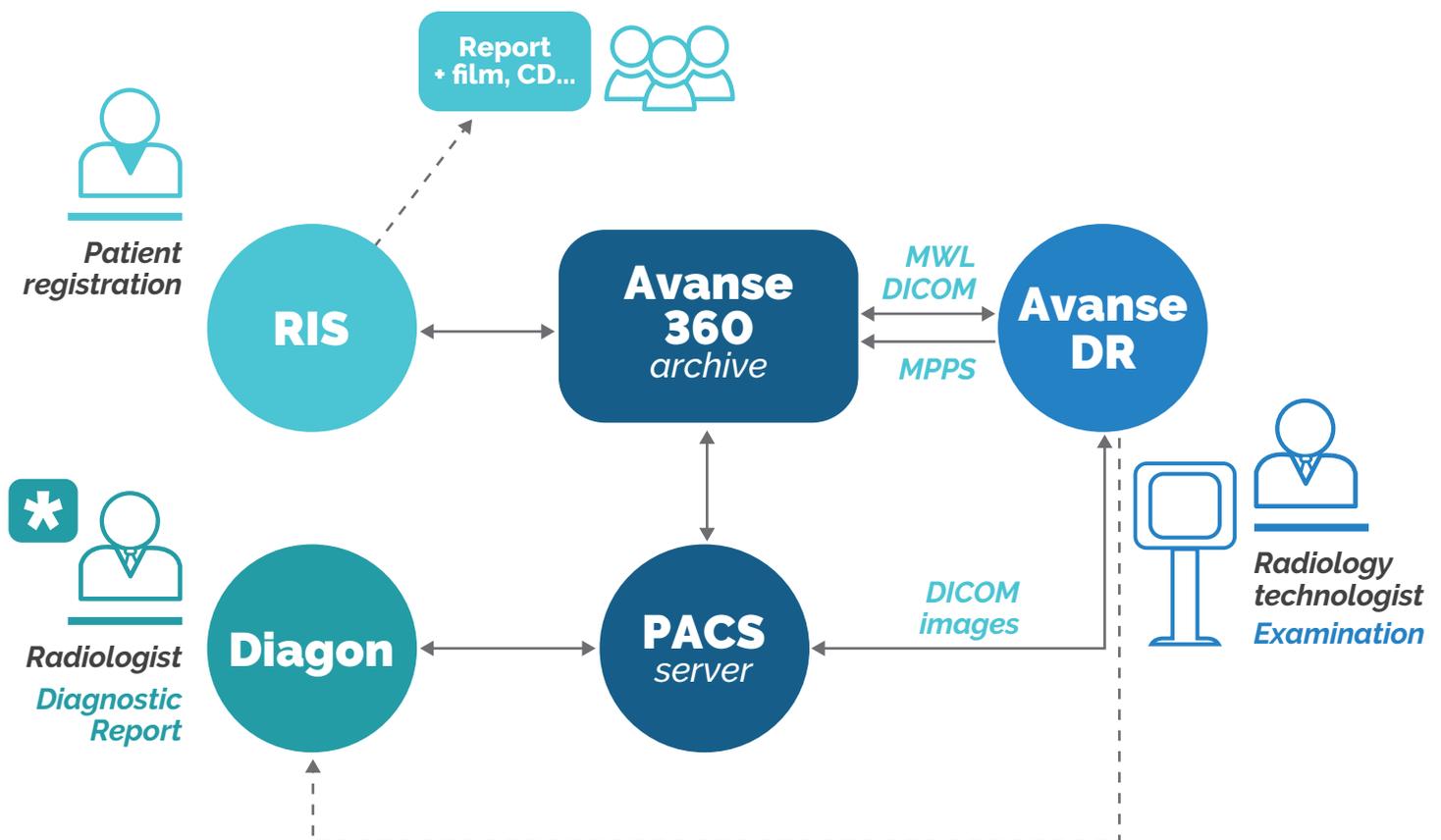
Complete Diagnostic Solution

Avanse 360 is a set of a diagnostic workflow software modules that enable you to enroll patients onto the system, create and schedule exams on imaging devices, search for patients and exams,

interactively set device exam schedules, see the status of diagnostic procedures, display and process diagnostic images, generate and export diagnostic results.

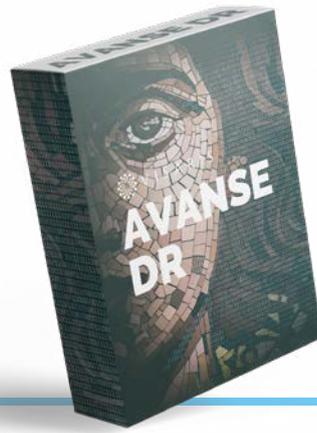
Avanse 360 workflow modules

- Image archive and communication servers – PACS
- Web-based radiology workflow system - RIS
- Diagnostic radiology workstation – DIAGON
- Advanced DICOM services including modality scheduling (MWL) and exam status monitoring (MPPS) servers
- Advanced results export modules such as Patient disc publishing, printing etc.



Avanse DR

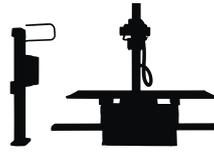
Ultimate solution for any DR room



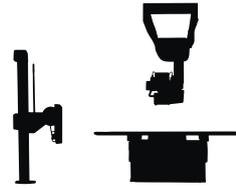
*Mobile
Ultra Light*



*Small
Footprint*



*Floor
Mounted*



*OTC
Room*



*Twin Robotics
Systems*

A global partner for diagnostic imaging

Innovation is the core of everything that we do at Visaris. For over 18 years we have been dedicated to helping doctors and medical practitioners in providing the best diagnostics and treatment to their patients. With installations in over 30 countries on 6 continents, our systems are made to be reliable, user-friendly and efficient. Our products are constantly improved to be safer, with lower doses of radiation and automatic

interlocking features that prevent unwanted patient exposures. Our proprietary software with fully automated operation significantly reduces examination times without compromising the imaging quality. All our equipment is subjected to extensive testing, has regulatory approvals (CE, FDA...) and adheres to relevant ISO safety standards.



Visaris Team

Appearances and specifications are subject to change without notice for reasons of improvement. Depending on regulatory approval, certain configurations may be unavailable. For more information on specific configurations, contact your Visaris representative.



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