



# AVANSE DR

DIGITAL RADIOGRAPHY IMAGING SYSTEM



V I S A R I S

# AVANSE DR

## SIMPLE, EFFICIENT, HIGH PERFORMANCE IMAGING

Avanse DR is a state-of-the-art digital imaging system with latest generation flat panel detectors for digital upgrade of radiography devices. It seamlessly transforms your existing film device into a digital radiography system with all advantages of digital imaging including higher image quality, lower dosages, shorter examination times and lower operating costs. Through a highly integrated digital acquisition console Avanse DR provides exceptional imaging ergonomics, diagnostic flexibility and reliability. Available in configurations with fixed, portable wired or portable wireless flat panel detectors and with a range of advanced imaging functions Avanse DR is an ideal solution for digital upgrade of your diagnostic radiography capability.

- improve image quality and diagnostic reliability
- reduce operating costs, exam times and dosages
- simplify and make your workflow more efficient
- image things you could not before
- turn your existing system into DR affordably





## LATEST GENERATION DR FLAT PANEL

Avanse DR is a highly integrated digital imaging system comprising of a digital flat panel detector, digital user console for acquisition and processing of images and system interfaces to connect Avanse DR to your existing system. Available in a number of high performance flat-panel configurations including one or two panel systems as well as a choice of fixed full size and portable wired or wireless detectors Avanse DR can be configured for your specific imaging needs. Highly mobile, portable wireless configurations with detectors less than 3kg, no wires to worry about and cassette size mean you can turn your system digital with no mechanical adaptations for quick and easy imaging off all anatomies just as you're used to with a film cassette.

For greatest mobility, Avanse DR can also be delivered with an additional portable acquisition console with a dedicated WiFi connection to an auto-trigger enabled flat panel detector which lets you switch seamlessly between static radiography systems and mobile devices.

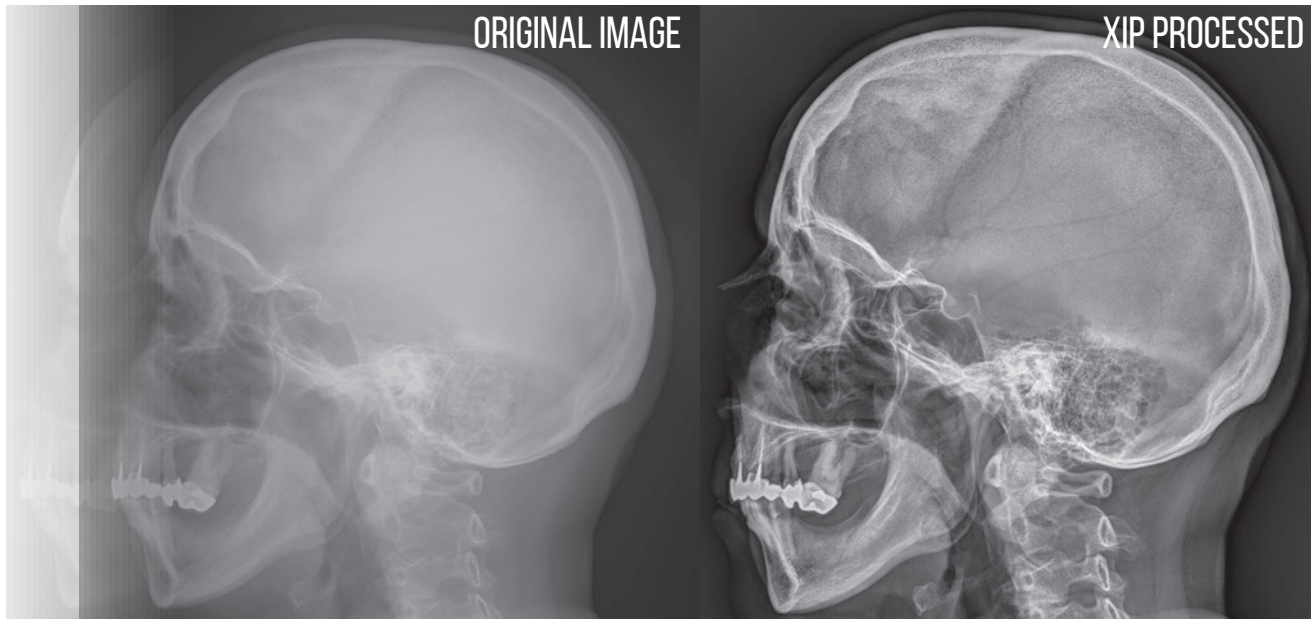
Our integrated DICOM connection management allows you to walk in and out of network connection without losing your images.

# EXCEPTIONAL IMAGES AT YOUR FINGERTIPS

Avanse DR uses only highest performance flat panel technology. High detector sensitivity (DQE) allows significant dose reduction to your patients compared to CR and film while pixel size of fewer than 150 microns and digital conversion of up to 65,536 grey levels provide exceptional structural contrast and crystal clear images.

Avanse DR digital image processing is automatically adjusted according to selected imaging protocol to ensure optimal visualisation of each anatomy. Intelligent exposure

latitude correction automatically corrects over and under-exposed images eliminating the need for retakes. Simple and intuitive user controls let you easily navigate vast visualisation capabilities provided by Visaris' XIP® x-ray image enhancement package be it adjustment of multi-scale enhancement, noise suppression or simply image contrast and brightness.



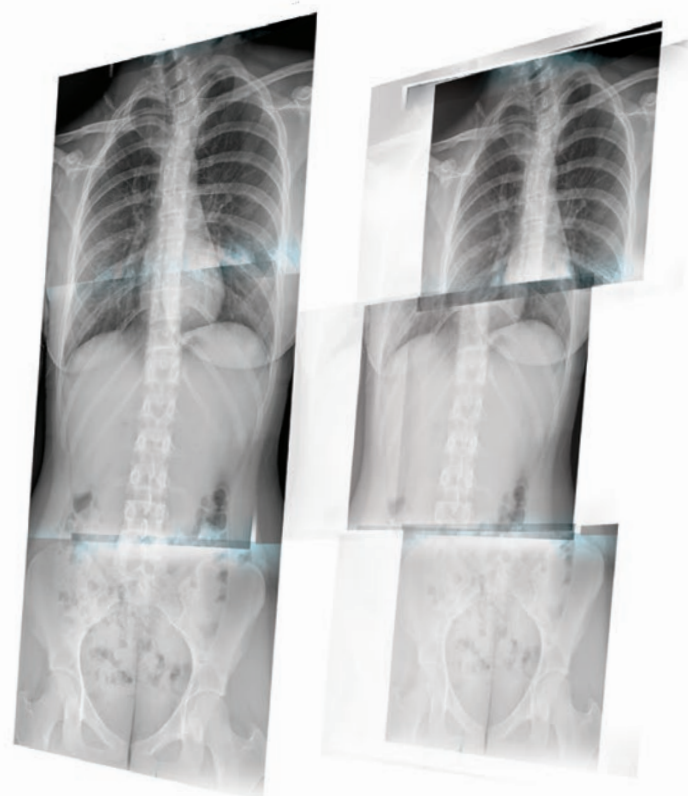
WHOLE SPINE  
FROM **3X** EXPOSURES

## SEE MORE THAN BEFORE

Avanse DR supports several advanced imaging techniques usually reserved for highly integrated, expensive DR devices.

Long anatomy imaging from several already acquired individual exposures with automatic image stitching lets you visualise long body structures in a single image and perform measurements much larger than the active area of your digital detector.

Other advanced imaging applications available on your Avanse DR include dual energy imaging (visualisation of soft tissues and bones in different images), multi-anatomy exposures (optimal visualisation of several different anatomical structures such as lungs and spine from a single exposure) and others. And our commitment to imaging research in collaboration with a number of European academic institutions means we'll never stop innovating to let you see more.



# UNPARALLELED EFFICIENCY AND INTEGRABILITY

Examinations on Avanse DR are performed in three easy steps: register, expose, export. High level of automation including worklist import, automatic high-repeatability image processing and auto PACS archiving mean you can image almost hands free. Meanwhile, considerable customisation flexibility including multi-language support allows you to work in a familiar environment.

Avanse DR provides an extensive component interfacing capabilities to control generators, collimators, buckies and

positioning devices enabling you to set generator exposure parameters, collimator opening and stand position automatically by simply selecting your next imaging technique from the exam worklist.

An external, wireless remote system console ported onto a tablet device can seamlessly integrate with your main Avanse DR console to let you set generator conditions, stand positioning and select exam order from the worklist remotely, while you are moving about your business.



# COMPLETE DIAGNOSTIC SOLUTION

Avanse DR offers complete integration of your radiography system into modern digital radiology workflow. DICOM and HL7/GDT integration module seamlessly connects with worklist servers (MWL, MPPS), RIS and HIS systems as well as archives your images to a range of PACS archives, DICOM patient CD burners (with included viewer for showing images on any PC) and DICOM printers. That means lower operating costs and great savings in both time and money.

Avanse DR can also be the heart of your very own digital radiology department. A fully network enabled PACS archive (VisarisPACS module) can be installed on your Avanse DR console to save you from buying and supporting an external image server. Available also with scheduling and reporting services and RIS enabled functionality. Moreover Visaris can also supply its own Diagon diagnostic workstation software, optimised to work with images from your Avanse DR with a range of diagnostic imaging tools to process and report on your images.



# YOU ARE IN SAFE HANDS

Our commitment to highest standards of performance, safety and quality is evident in everything we do. Visaris is a company with over 10 years' experience in design, manufacture and implementation of digital radiography systems. Avanse DR, on the market since 2004 has acquired millions of digital images in a variety of healthcare institutions.

Safety and wellbeing of every patient and operator of our devices is our upmost priority. From conceptual design and development to system installation and support we implement an ISO 13485 certified quality management system while all our devices display EU's CE mark (MDD compliance) and have FDA clearance. We strive to continually improve our products to satisfy demands of every one of our customers.

Digital imaging is no longer only a vision of the future. From general radiography to a wide range of specialty imaging Avanse DR provides you exceptional performance for anaffordable initial investment and practically non-existent operating costs. Harness the advantages of digital technology, improve the quality and reliability of your images, reduce examination times with Avanse DR and our tireless support available 24h-365 days will make sure you system is always online and provide you with a well earned peace of mind.

*Visaris Team*



V I S A R I S

Visaris, Batajnički drum 10, deo 1B, 11186 Zemun, Belgrade, Serbia  
Tel: +381 11 2017 600, Fax: +381 11 2017 670, [info@visaris.com](mailto:info@visaris.com)

[www.visaris.com](http://www.visaris.com)