



X-View S

Acquisition Software

Product Highlights

- X-View S is a professional acquisition software for X-ray images from flat panel systems (DR) and CR units (computed radiography with imaging plates) by any manufacture
- For easy upgrade of analogue systems to digital
- The software controls X-ray generators and X-ray units of various manufacturers, providing a smooth and systematic workflow
- Compatible with a wide range of flat panel detectors
- Adaptable to oscillating and removable grid
- Advanced application with a five field invisible measuring chamber

Description

X-View S is a professional X-ray acquisition software and a single element of a complete X-ray upgrade option if you want to extend your existing X-ray system by a flat panel system. It is easy to install, easy to operate and provides X-ray images in a professional and reproducible quality.

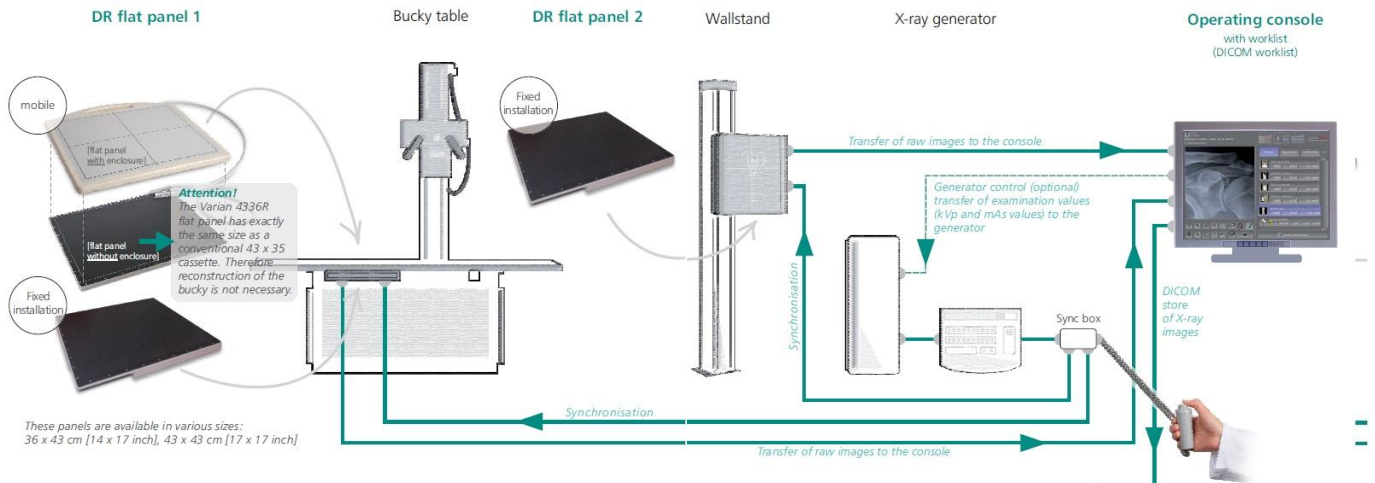


Application Benefits of X-View S

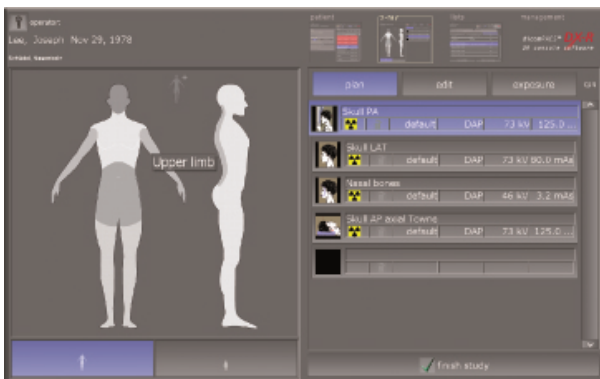
- The modern graphical interface (GUI) provides almost **any language** to simplify the application
- **Touch screen operation** for a smooth and time saving workflow
- **DICOM worklist integration and HIS/RIS implementation** for easy and quick workflow handling
- **Configurable body parts** with more than 200 projections for your own optimized workflow
- Safe and fast **registration of emergency patients**
- The user can **switch between examinations** of a patient, for instance to avoid re-positioning of the patient
- Option to **add subsequently images** to a finished examination
- Integrated measurement, special image filter - **various tools** for measurement and image optimisation
- **Integrated radiographic positioning** guide for each examination incl. comprehensive notes, videos, photos and correct X-ray images
- Integration **of various flat panels and CR systems** by different manufacturers.
The user has the choice of operating between flat panel or/and CR
- Option to **connect up to 3 flat panels** (bucky, wall stand and mobile) to one system
- The configurable generator interface enables the user to control **X-ray generators or X-ray systems by different manufacturers**, delivering the generator settings directly from the software
- **Integration of dose area product (DAP)** – measurements are directly saved to the relevant image
- Automatic Exposure Control (**AEC**) and Anatomical Programmed Radiography (**ARP**) for a fast workflow and the option to modify X-ray parameters manually
- Electronic X-ray log



Operation mode for Bucky table and wall stand



Operation of the acquisition software X-View S



Job creation



Radiographic positioning guide



Preview of the X-ray image and worklist



Generator control

Get to know X-View S Software

X-Alliance provides a **free demo version**, **user manuals** as well as **technical manuals** of the X-View S Software. If you would like to get an impression please visit our website:

<http://www.x-alliance.com/admin/login>



Your login data is:

Username: **customer**

Password: **xallocust**

Image Processing with X-View S

- With the perfect quality of the automatic image processing there are **generally no adjustments necessary**.
- **Automatic image optimisation** is already integrated to reduce diagnostic efforts
- **Bones and soft tissues in one image** – this enables the user to significantly improve diagnosis
- Details of bones structures are very easy to recognise
- Noise suppression
- **Black mask** (automatic shutters)



Exposure with standard image processing



Exposure with X-View S

Image Diagnostic with X-View S

- Completely **integrated DICOM PACS Viewer for image diagnosis**, further processing and storage of images in an SQL database incl. Image manipulations, export options, layout adjustments, freely configurable user interface and much more
- Stepless **zoom, PAN, magnifier, ROI, crop, rotate, mirror** etc.
- Insertion of **image annotations**, e.g. free texts, arrows, ellipses etc.
- **Measuring tools** of distances, angles, areas and density
- Adjustment of window/level options and **gamma correction**, sharpening filters, noise suppression
- Many **additional functions** such as calculation of Cobb's angle pelvic obliquity measurements, integrated capturing of diagnostic reports etc.
- **Printing** of images both on Window printers and laser imagers
- Creation of **DIMCOM patients CDs** with **free WEB viewer**
- **Export of images** to JPEG, TIFF, BMP, and DICOM formats
- **Easily upgradable** to the professional, integrated image management system (PACS)

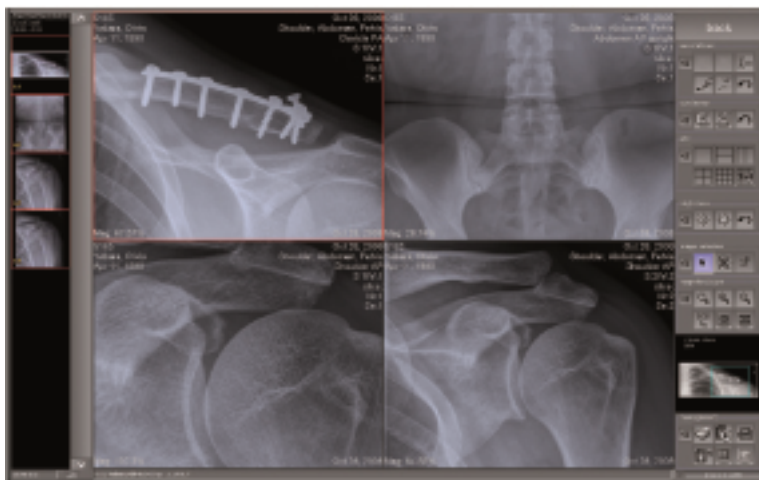
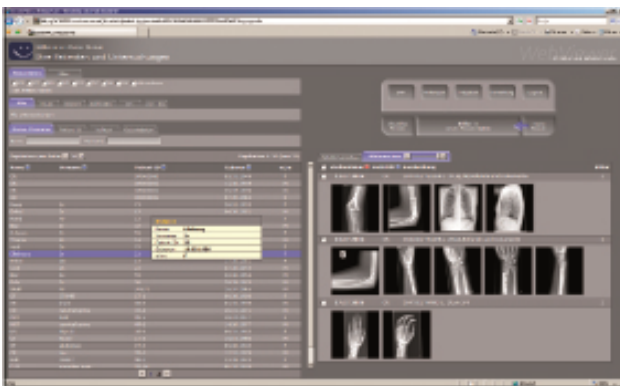
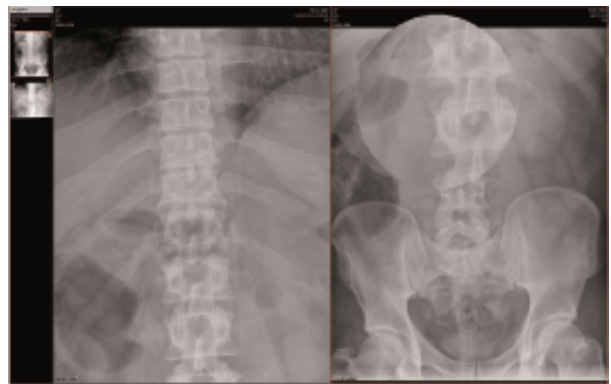


Image Distribution with X-View S

- **Worldwide image distribution** to colleagues or patients via DICOM PACS Web Server (optional) – Images can be accessed from any PC with internet access
- **Option of direct auto routing** of images to external radiologists
- On request, images can **be archived externally via the web server**
- Images can be sent to image management systems or **several databases** via DICOM store



Web preview



Web viewer

Options for Upgrading X-View S Software

X-View S may not only be used as software for the acquisition and processing of X-ray images, but can also be upgraded to a Mini PACS or even a Enterprise Multi Modality PACS.

X-View S Software Upgrade Options	
DICOM Reception	From any DICOM sources, e.g. CT, MRI, scintigraphy, ultrasound etc
DICOM Distribution	With freely configurable rules
DICOM DIR Import	For archiving patient CDs by other manufacturers
DICOM Query/Retrieve	SCP/SCU
DICOM Auto	Pre-fetching
DICOM Print Server	To convert DICOM Basic Print into Windows print jobs
DICOM Compression	According to freely configurable rules
DICOM CD/DVD Backup Module	Also via robot systems
Integration of Scanners	Film and document scanners
Signal Digitalization	Standard and non-standard video signals, e.g. endoscopy, angiography etc
Fully Automatic Synchronization	Of two image databases, e.g. laptop and main archive
Exchange of Images and Diagnostic Reports	E.g. between individual clinics by means of teleradiology
Web Server Intranet	Distributes images within a hospital and displays the images in a web browser
Web Server Internet	Enables worldwide image distribution to referring doctors and patients via internet

X-View S Optional Viewer Functions	
Compatible Systems for Installation	Windows, Apple MAC, Linux
Image Stitching	Generation of complete leg/spine images
Diagnostic Reports	Preparation of diagnostic reports with integrated images in MS Word
Multiple Monitor Connection	Connection of several diagnostic monitors
Statistical Analysis	Capturing of additional patient and examination data with their freely configurable statistical analysis
Digital Prothesis Templates	Working with digital prothesis templates for surgery planning and documentation - Prothesis templates can be selected from a set and inserted into the image as annotations
Additional Radiologic Functions	Additional radiologic functions such as Maximum Intensity Projection (MIP), Multiplanar Reconstruction (MPR) and hanging protocols

X-View S Hardware Options to Go Digital

X-View S may easily be extended towards a package of further components to upgrade your analogue system towards a state of the art digital radiography system.

Your advantages of a complete **X-Pack Upgrade** package at a glance:

- Available for almost any existing X-ray system
- Various sizes and types of flat panel detectors customized to your specific needs
- Integrated system with one working station enables the operator a fast and simple workflow
- X-Tray – the Bucky unit is compatible to various detectors
- A modular design of compatible components allows high flexibility and easy upgrade

X-View S Hardware Upgrade Options	
X-Flat 1717	17"x17" Detector System <ul style="list-style-type: none"> • Receptor type: Amorphous Silicon TFT or Selenium • Scintillator: Gadolinium (Gd2O2S) or CsI
5-Field Amplitat Chamber	Automatic Exposure Chamber <ul style="list-style-type: none"> • 5 invisible measuring fields • kV range: 40-150kV • Exposure time range: 1ms-6s
X-Pack Cable Set	<ul style="list-style-type: none"> • 400V • SUB D9 signal cable 30m • Collimat M cable set • Cable set RO/SRO/DR 18xx (stator, thermo, earth)
Smit Röntgen X-Ray Grid	<ul style="list-style-type: none"> • Oscillating and removable grid • Fiber interspacer allows maximum grid performance at reduced X-ray dose • Light in weight carbon fiber for lowest inherent filtration and • Compatible to X-Tray (bucky unit)
X-Tray	<ul style="list-style-type: none"> • Bucky unit for diverse detector sizes • Adaptable to fix and oscillating, removable grids
Collimat M	<ul style="list-style-type: none"> • Modular customization design concept • Highest light density in the market with Power LED technology • Guarantees a lifetime of more than 10 years
X-Ray Tubes	Dunlee DU/DR <ul style="list-style-type: none"> • DR1817 Philips <ul style="list-style-type: none"> • RO17/50 or SRO 33/100 • Other tubes up on request
Highflex KKG	High Voltage Cable <ul style="list-style-type: none"> • Variable in length
Sync Box	X-Sync <ul style="list-style-type: none"> • Sync box with low/high active +12V/24V allows to adapt to any generator in the field
Epsilon	X-Ray Generator <ul style="list-style-type: none"> • 50kW X-ray generator (options from 50-80kW) • Ultra high frequency up to 240kHz X-ray generator designed with a unique power inverter technology for later upgrading in the field • Adaptable to most (>100) existing tubes • Solid state high voltage modules (no oil) permitting small dimensions (472mmx768mmx812mm) & reduced weight (79-90kg)