X-Vision™ Software

Analysed images

"Innovation you can trust"

High-performance X-ray Imaging Software

X-Vision **instantly delivers high-quality X-ray images** with a **customisable user-friendly interface**.

X-Vision delivers **unparalleled, full-feature imaging excellence** with **optimisation of the user experience**, **driving efficiencies in X-ray imaging operations**.

OPTIMISATION OF USER-EXPERIENCE

X-Vision's comprehensive imaging functions and powerful image enhancement tools optimise **quick and accurate detection, analysis and investigation**.

X-Vision's **user-friendly interface** incorporates **intuitive icon graphics**, toolbars and dockers with **touch-screen functionality**.

Customisation features ensure that your **optimal interface** is automatically presented to you.

DELIVERING IMAGING EXCELLENCE

X-Vision's cutting edge imaging is supported by a unique range of imaging techniques and **sophisticated algorithms**.

Analysed Images' advanced digital X-ray systems are supplied with larger viewing monitors to complement our high quality images to facilitate **reliable and quick screening**.

X-Vision's capability includes **automation tools** (such as automatic threat detection) and on-board **user-training tools** to **enhance screening and detection outcomes**.

LATEST TECHNOLOGY & CONTINUOUS DEVELOPMENT

Continuous development with the latest development technology platforms keeps us at the **forefront of X-ray imaging technology**.

X-Vision supports:
- Intuitive touch-screen operation
- Full 16-bit greyscale images (65,536 grey levels)
- Wired and wireless communications methodologies
- Integration with a wide range of X-ray sources
- Multiple detectors (flat panels, CCD cameras and detector arrays)

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Software Specifications

X-Vision delivers high-performance X-ray imaging with advanced digital X-ray systems. X-Vision is continuously being updated with new and enhanced features. Standard and enhanced features (Win 7x32 and Win 8.1x64 (launch version)) are outlined below.

Key Features I
- User-friendly multi-lingual interface
- Interface optimisation for touch-screen/keyboard/mouse
- Configurable user interface
- Image capture/storage options (static/live/video)
- Materials discrimination

Key Features II
- Continuously variable image enhancement features
- Secure remote update features
- 16 bit-ready (65,536 contrast levels)
- Integration with range of detectors and sources
- Performance up to 25 fps

PC Specifications
- Tablet/Notebook/PC formats
- Intel Core i3, i5, i7 & Jetway
- 4Gb RAM+
- Fully network-ready
- Microsoft Windows 8.1 Pro x64 & Windows 7 Pro x32

User Interface
- Intuitive & configurable toolbars, dockers and icons
- Graphic icons (hover over icon for text description)
- Save layout to user/default (subject to permissions)
- News channel / default image on setup
- Toggle natural and enhanced images

Image Viewing
- Zoom (continuously variable, up to 64x)
- Pan control
- Emboss and edge enhancement
- True aspect / fit to window / reset magnification (1:1)
- Image subtraction / background removal
- Adaptive histogram
- Mirror image (horizontally / vertically)
- Inversion (black/white) and density alert

User Training / Facilitation
- Materials discrimination / Dual energy
- Threat Image Projection
- Help feature
- Onboard training
- On-board user manual
- Homepage / news channel for user alerts
- System maintenance information
- System software updates

Image Enhancement (Post-Processing)
- Auto-enhance (dark zones / entire image)
- Powerful multi-feature dynamic enhancement tool
- Contrast adjustment(continuously variable)
- Sharpness adjustment (continuously variable)
- Brightness (continuously variable)
- Gamma adjustment (continuously variable)
- Colour adjustment

Measurement Tools
- Distance / physical dimensions (pixel, relative, absolute)
- Contrast
- Line profile
- Region of interest (configurable)
- Histogram (whole image / region of interest)
- Cursor position

Image Management
- Configurable image archiving
- Image transmission
- Annotation (text, pin, shape)
- Colour palette
- Usage statistics

Reporting & Networking
- Sync with Network Synergy Station
- System reports
- Reporting management
- System event log
- On-board user diagnostics

Image Processing (Behind the scenes)
- Pixelated image scaling
- Despeckling
- Image filters
- Sharpness filter
- Geometric distortion correction
- Live and recursive modes

System Security
- Authenticated secure logon mode
- Auto-login mode
- Multiple user levels
- Lock user interface (to user / default)
- System volume protection (EWF)

File Management
- Image printing (interactive with full preview)
- Image save & recall (int./ext. drives, network location)
- File formats (TIFF, JPEG, BMP, bespoke)

System Administration
- User management functions (add-on/remove)
- Enable/disable users
- Apply maintenance pack