

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)

X-Vision™ delivers high-performance X-ray imaging with advanced digital X-ray systems. X-Vision™ is compatible with Microsoft™ Windows™ 10 and is continuously being updated with new and enhanced features. Standard and enhanced features of X-Vision™ are outlined below.

### Key Features I

- User-friendly 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 & others
- 4Gb RAM+
- Fully network-ready (GigE 1000 Base-T)
- Microsoft Windows 10 Pro/Enterprise x64

### 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

