

ArtPix™ DRF

A unique imaging platform for RF, angiographic and radiographic X-Ray applications

ArtPix™ DRF is adapted to all users and OEM needs

- For the physician, all adjustments are possible to suit their own preferences. ArtPix™ DRF offers high image quality and advanced clinical options to allow them to provide the highest standard of care to their patients.
- For end-users such as X-ray technicians, their daily work is facilitated thanks to the easy configuration of the platform and the user-friendly application that controls the generator and remote tables.
- ArtPix™ DRF allows the OEM to reduce integration time, certification period and costs through flexibility and reactivity.
- ArtPix™ DRF enhances radiology department workflow & productivity allowing a higher number of patients to be seen. Unparalleled image quality also improves the accuracy of diagnosis.
- A state-of-the-art cyber protection package is securing information privacy.



ArtPix™ DRF

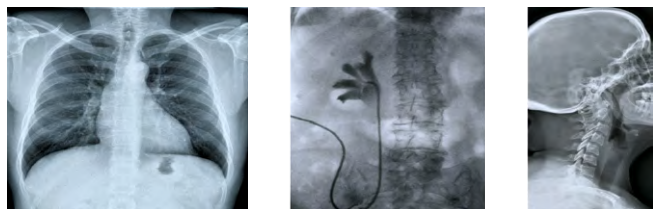
A unique imaging platform for RF, angiographic and radiographic X-Ray applications



ArtPix™ DRF is a unique imaging platform for dynamic X-Ray applications that delivers outstanding performance in both fluoroscopy and radiography. This solution is fully customisable on several levels: image preferences, user interface and application, installation and setup of the system ensuring efficient workflow and high productivity.

STATE OF THE ART DYNAMIC AND STATIC IMAGES

A real 10-bit image and a set of unique algorithms provides outstanding real-time, full HD images.



CYBER SECURITY PACKAGE

The platform has been designed to tackle IT and patient information vulnerabilities. The system is compliant with the latest information security standards.

TECHNICAL SPECIFICATIONS

WORKSTATION

Operating System	Windows 10
Image Disk Storage	0.5 TB (25,000 high-resolution RAD images @ 3k x 3k, 16 bits or 250,000 RF frames @ 1k X 1k, 16 bits)
Hardware	PC, Electrical interface and power supply box and cables, Isolation transformer
Fluoroscopy Mode	Continuous & pulsed.
Radiography Mode	Single exposure mode (3k x 3k)
Multi-language	English and German • Additional languages by demand

HOSPITAL INFORMATION SYSTEM

DICOM 3.0 connectivity	Store, TLS, RDSR, Modality Work List
------------------------	--------------------------------------

FEATURES

Clinical Workflow	Patient registration, acquisition, viewing, archiving, exporting
Interfaces	<ul style="list-style-type: none">• Wide-format touch screen• In-room live monitor (supporting various resolutions)• Reference monitor• The system includes a TouchPad/ KeyPad option to control the system from operating room
Real-time Processing	Automatic Brightness Control, Noise Reduction, Air Segmentation, Motion Detection, Dynamic Range Compression, Edge Enhancement
Dose	DAP & AEC management, dose reporting
Regulatory	FDA Cleared, CE marking, HIPAA & GDPR compatible. Please contact us for any other request

OPTIONS

Angiography	Real-time DSA
Package	Pixel shifting (automatic and manual), Group mask/subtraction
Last Fluoro Hold	Store and replay all current patients fluoroscopy images
Advanced	Working with a portable detector Stitching mode

Contact us: +33 (0)1 30 70 35 58 - mis.sales-contact@thalesgroup.com

MULTIPLE ADVANCED APPLICATION OPTIONS

- Increased value with a vast choice of advanced clinical options such as: DSA (Digital Subtraction Angiography) Stitching, Color Coded Exposure Index.
- The system also offers an option for TouchPad / KeyPad controlling system operation in order to enhance treatment.

OPTIMISED ERGONOMICS FACILITATING INTEGRATION AND DAILY USE

The setup, calibration, generator settings and stations can be easily configured by an X-ray technician guided by the application.

FLEXIBILITY OF ADJUSTMENTS ON DEMAND

- Users can customise the imaging platform to suit their preferences, including user-interface, display configuration, image quality and room peripherals.
- Proprietary image processing allows adjustments of the application according to the user expectations and preferences to get the best image quality.