

# BACCARA dRF43

The ultimate fully integrated dRF solution

Introducing the BACCARA dRF43, APELEM's concept including its remote controlled table with a full field dynamic flat panel digital detector.



Dedicated to radiographic and fluoroscopic procedures, the BACCARA dRF43 has been conceived to answer the growing need of versatility and workflow enhancement, in the evolution of the medical imaging field.



- ▶ Enjoy the flexibility of an "all in 1" solution:  
Radiography, tomography, fluoroscopy and DSA (optional) on the same detector.

The new full field flat panel dynamic detector integrated into the Baccara dRF43 offers the capacity of acquiring dynamic sequences and full size real time fluoroscopy for GI procedures and DSA applications. A large range of real time studies, such as barium studies and arthroscopy can be performed, as well as all radiographic examinations

All the radiographic and fluoroscopic exams are processed on the same detector, thus relieving a high performance "all in 1" full field dRF system.

## ▶ Significant dose reduction

The CsI technology of the detector reduces significantly the x-ray dose to the patient.

- ▶ Improve your workflow

Making the choice of a fully integrated digital solution, that includes a full positioning and parameters setting linked to the APR and the RIS code, is also choosing an significant increase of your patient throughput.

Indeed, switching to digital means you save on cassette handling and image merging time, since offering real time acquisition: dRF solutions give you more time to spend with your patients.

Furthermore, the BACCARA dRF43 also offers a high quality full field scope, making it even easier to perform fast and high quality exams and increase your workflow.

► Try a high-tech full field dynamic Flat panel detector



The Thales Pixium® RF 4343 (17" x 17") offers greater coverage than a 40 cm (16") image intensifier. This enlarged field guarantees to [view the Region Of Interest](#) with [fewer acquisitions](#), when a large coverage is needed, such as during an abdominal study or lower limbs examinations.

Integrated into the BACCARA remote controlled table, the detector offers an unequalled field of applications: Skull, abdomen, spine, extremities, urogenital, tomography, DSA and interventional applications are processed with [minimum physician interaction and the best image quality](#).

► Make the most of the Alliance Software

The Alliance software is the common platform for all the DR solutions in the APELEM range.

Thanks to the automatic selection of [pre-programmed examination protocols](#) (position, SID, kV, mAs, etc.) the patient can be rapidly and easily positioned. The image is immediately displayed on the screen, without any effort from the technologists.



The Alliance software then offers a large scale of tools to process and optimize the image, in order to offer the best quality possible for diagnosis: the bone structures and soft tissues are better defined, the noise is reduced, and the edges enhanced.

Of course, thanks to the Alliance software, the [BACCARA dRF 43](#) is [totally DICOM 3 compliant](#).



► Upgrade your BACCARA

[Switch to digital](#) and upgrade your conventional BACCARA table with a full field dynamic flat panel detector. You will not only benefit from the most advanced technology in digital imaging, but also handle a complete new software version with more possibilities, such as [image stitching](#), [autocropping](#) and the [latest image processing tools](#).

## TECHNICAL SPECIFICATIONS

<i>Model</i>	Thales Pixium® RF 4343
<i>Technology</i>	Flat Panel. Amorphous silicon (CsI)
<i>Useful sensitive area</i>	43x43 cm (17"x17")
<i>Matrix</i>	2880 x 2880 ou 2881 x 2881
<i>Pixel size</i>	148 µm
<i>Dynamic Range</i>	16 bits (65.536 grey levels)
<i>Acquisition modes</i>	- radiography - pulsed fluoroscopy - continuous fluoroscopy - DSA
<i>Frame rate</i>	1 to 30 img/sec
<i>Max spatial resolution</i>	3.4 lp/mm
<i>Exposure dose</i>	0.2 - 3 µGy
<i>Cooling</i>	Air, with automatic internal air circulation system

	Image size (cm)	Matrix	Frame rate/sec.
<i>Exposure</i>	43 x 43	2880 x 2881	4
	43 x 43	1440 x 1441	12
<i>Continuous and pulsed fluoro</i>	43 x 43	960 x 961	18
	30 x 30	1024 x 1025	18
	20 x 20	673 x 673	30