

## STATE OF THE ART FLAT PANEL DETECTOR FOR INTERVENTIONAL RADIOLOGY

- ▶ Pixium® 3040 is a high-end flat panel detector specifically designed for 2D and 3D interventional radiology (vascular, oncology, neuroradiology) as well as CBCT (Cone Beam Computerized Tomography) machines
- ▶ The Pixium® 3040 brings unmatched digital performance with optimized spatial resolution (154µm pixel pitch), higher contrast and superior sensitivity at low dose
- ▶ Its exclusive optical reset allows fast switching between DSA (Digital Subtraction angiography) and low dose fluoroscopy

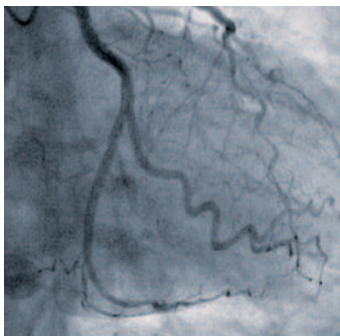


### DIGITAL FLUOROSCOPY

## Pixium® 3040

**Best-in-class image quality for interventional applications**





DIGITAL FLUOROSCOPY

# Pixium® 3040

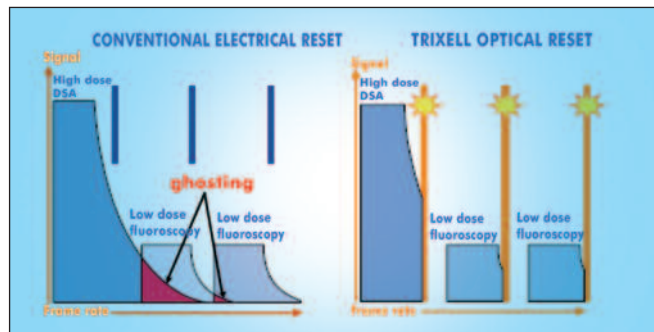
**Best-in-class image quality for interventional applications**

## BEST-IN-CLASS IMAGE QUALITY

The Pixium® 3040 benefits from Trixell technology - Pixium® Csl (Cesium Iodide) scintillator on an amorphous silicon matrix - to offer an excellent and consistent image quality. The 3040's high DQE performance provides optimal image quality at the lowest dose, whatever the clinical procedure.

## OPTICAL RESET

Trixell's exclusive optical reset process allows fast switching between DSA (Digital Subtraction Angiography) and low-dose fluoroscopy modes while maintaining maximum image definition. Used in interventional applications, the 3040's features (variable rate mode, zoom, multiple gains) also make it a versatile solution for general radiology applications.



## READY FOR 3D IMAGING

The Pixium® 3040 features all the required performance to acquire images for 3-dimensional CBCT volume reconstruction, in terms of fast frame rate, high spatial linearity and dynamic range.

## PROVEN RELIABILITY

The Pixium® 3040 detector takes full advantage of Trixell's 15-years of experience in interventional detectors, ensuring high reliability of your system. Along with its outstanding performances, the Pixium® 3040 will deliver consistent image quality throughout its working life.

Flat Panel characteristics	Pixium® 3040	Unit
technology	Pixium® Csl scintillator on aSi plate	
Pixel pitch	154	µm
X-ray sensitive area	293 x 398	mm (V x H)
	1904 x 2586	pixels
AD conversion	16	bits
X-ray generator voltage range	40 -150	kV
Maximum frame rate (full image, 1x1)	9	fps
Maximum frame rate (full image, 2x2)	30	fps
DQE@ 0 lp/mm, RQA 5, 2 nGy	48	%
DQE@ 2 lp/mm, RQA 5, 20 nGy	35	%
Detector max power consumption	23	W
Cooling	Passive cooling	
Interface to host system	Gig-E vision	

## TRIXELL

460, rue de Pommarin - Z.A. Centr'Alp - 38430 Moirans - France  
Tel.: + 33 4 76 57 41 00 - Fax: + 33 4 76 57 40 48