Pixium® 3040F
Best-in-class image quality for interventional X-Ray applications

Thales’s Pixium® 3040F 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) systems. The Pixium® 3040F brings unmatched image quality with optimized spatial resolution (154µm pixel pitch), higher contrast and superior sensitivity at low dose.
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BEST-IN-CLASS IMAGE QUALITY
The Pixium® 3040F benefits from Trixell patented technology - Pixium® CsI (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.

OPTIMIZED FOR DEMANDING X-RAY PROCEDURES
The Pixium 3040F’s features (variable rate mode, zoom...) perfectly suits the needs of the most decisive procedures. Trixell’s exclusive optical reset (WIP) allows fast switching between DSA (Digital Subtraction Angiography) and low-dose fluoroscopy modes while maintaining maximum image definition.

FLAT PANEL CHARACTERISTICS (WIP)
technology
Pixel size
X-ray sensitive area
154 µm
293 x 398 mm (V x H)

AD conversion
X-ray generator voltage range
Maximum frame rate (full image, 1x1)
Maximum frame rate (full image, 2x2)
DQE @ 0 lp/mm RQA 5, 2 µGy
DQE @ 1 lp/mm RQA 5, 2 µGy
DQE @ 2 lp/mm RQA 5, 2 µGy
Detector max power consumption
Cooling
Interface to host system
16 bits
40 -150 kV
up to 30 fps
up to 60 fps
77%
57 
48 
23 W
Passive cooling
10Gb Ethernet

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