

PHILIPS

Image Guided Therapy
Mobile C-arm System

7000

Zenition 70



Philips Image Guided Therapy Mobile C-arm System 7000 – Zenition 70 with FD 30 x 30

Unlimited potential at your fingertips



FD 30 x 30

See more. Save time and X-ray dose.

Make challenging orthopedics, vascular, pain management, urology and endoscopy procedures more efficient with our new FD technology. This 30 x 30 cm flat detector expands your view reducing procedure time and X-ray dose. Plus with our ClearGuide, you further reduce the time needed for positioning by more than 20% as shown in user tests.¹

Key benefits

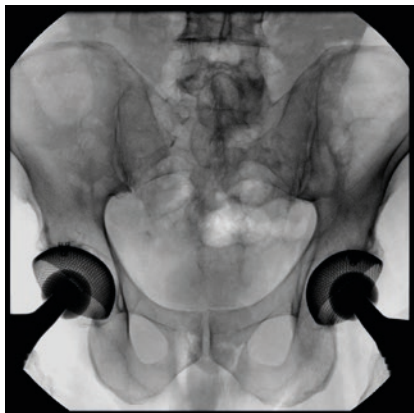
- See up to 33% more anatomy in one image² to gain a full perspective of disease
- Save time and X-ray dose by taking fewer images during procedures
- Enhance visibility of fine details with superb image quality of Philips fourth generation flat detector technology

Save time and X-ray dose

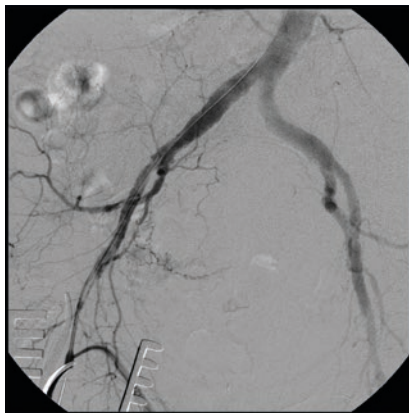
Many anatomical areas, such as the spine, hip and Peripheral arteries require several consecutive images to gain a full overview of the respective disease. With the 30 x 30 cm FOV, you can broaden your anatomical coverage in each image and thereby reduce the total number of images, amount of X-ray dose, and in some cases contrast medium, for a procedure. This can save valuable time and help you uncover details you might otherwise miss on a smaller FOV.



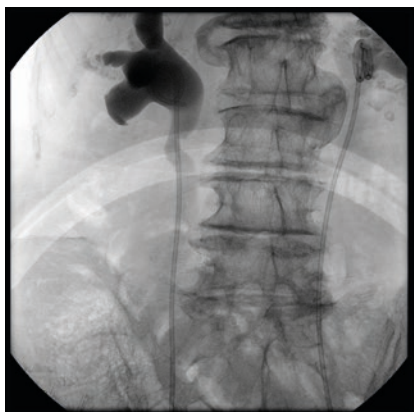
See more anatomical details in one image



Pelvis: Bilateral hip implants.



Ischemic leg treatment image, visualize complete bifurcation in one image.



Bilateral DJ stent placement, showing both DJ stents in one image.



Lumber spine: Multiple levels visible.



Enhance visibility of fine details

FD 30 x 30 leverages Philips fourth generation flat detector technology and advanced image processing algorithms to provide exceptional visibility of fine anatomical details during challenging procedures. For abdominal aortic aneurysm repair, hip replacement surgeries, spine surgeries, pain management and others. The FD 30 x 30 delivers consistent, Non-distorted edge-to-edge image quality and superb contrast resolution to support critical decision making.³ Images can be viewed on live monitor and reference monitor by all team members.



Image Guided Therapy Mobile C-arm System 7000 – Zenition 70 - FD 30 x 30

Technical specifications

Specifications FD30X30 cm

Flat detector type	Trixell amorphous silicon detector
Scintillator	Cesium Iodide
Matrix	1956 x 1956 pixels
Field of View	30.12 x 30.12 cm (11.86" x 11.86") Zoom: 30.12 / 22.17 / 15.4 cm (11.86" / 8.73" / 6.06")
Pixel Pitch	154 µm
Dynamic range	94 dB
A/D conversion	16 bit
DQE (RQA5 @ 0 lp / mm)	0.77
MTF (@ 1 lp / mm)	0.59
Spatial resolution measured on grid surface, no filters in beam (Visual)	OV: 2.2 lp/mm Z1: 2.8 lp/mm, Z2: 3.7 lp/mm
Nyquist frequency	3.24 lp/mm
Calibration	30 seconds during idle state
Grid Lines / cm	74
Grid material Focused Grid, Carbon fibre cover Focused Grid, Carbon fibre cover	Focused Grid, Carbon fibre cover
Grid Ratio	14:01



Please contact your Philips representative
for local availability.

The clinical images are from Zenition 70 with FD26X26 and FD30X30 do not represent the final image quality of the Zenition 70 with FD30X30 mobile C-arm systems.

References

- ¹ Results obtained during user tests performed in November 2013 by Use-Lab GmbH, an independent company. The tests involved 30 USA based clinicians (15 physicians teamed up with 15 nurses or X-ray technicians), who performed simulated procedures using Philips mobile X-ray systems in a simulated OR environment. None of them had worked with each other before.
- ² Compared to Philips 26 x 26 cm flat detector.
- ³ The UNS (User Needs Specification) document describes the customer needs as being able to see larger anatomical overview or bone structures. This is possible through the image quality and contrast resolution of the FD 30 x 30. This has been validated by Philips Clinical Marketing specialists and the technical IQ requirements have also been verified according to industry standards.