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Image Guided Therapy

Mobile C-arm System 1000

Zenition 10

Unlimited potential at your fingertips

Introducing Philips Image Guided Therapy Mobile C-arm System 1000 – Zenition 10

Part of the Zenition series of advanced mobile C-arm systems, Zenition 10 offers Flat Detector (FD) imaging designed to power the future of routine surgeries. It delivers high-quality imaging, high uptime and efficient workflow in a powerfully compact design. It supports fast transport, fast set-up and fast imaging for your daily mix of orthopedic, trauma and other surgical procedures. All backed by Philips global service network.

Expand your imaging capabilities for mainstream yet challenging surgeries with our proven Flat Detector technology and the large C-arm geometry. This combination delivers consistent, reliable and productive performance to support high volumes of mixed caseloads.

Increase OR performance

Enhance your clinical capabilities over time

Outstanding user experience

Key benefits at a glance

1. **Increase utilization**
   Versatile design supports a broad mix of specialties and surgical procedures

2. **Improve clarity and dose efficiency**
   Reliable Flat Detector performance and distortion-free images, with technology developed based on years of Philips experience

3. **Enhance imaging consistency**
   Fast, proven IQ combined with application-specific protocols and customizable presets

4. **Reduce exposure for young patients**
   Dedicated pediatric mode paves the way for procedures with very low dose

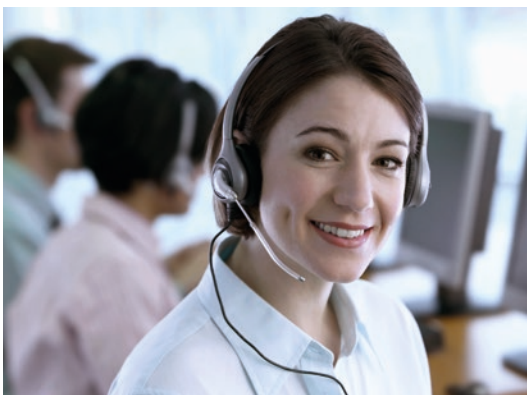
5. **Position patients quickly and conveniently**
   Excellent C-arm geometry and compact Flat Detector supports fast, convenient positioning for a broad range of patients

6. **Maintain high levels of uptime**
   Remote support can help reduce on-site visits and speed up issue resolution

0cm
5

Increase OR performance

When the pressure is on to do more with less, the Zenition 10 is up to the challenge.



Increase utilization for diverse patients

Zenition 10 supports a broad mix of surgical procedures, including orthopedic, trauma, spine, pain management, peripheral vascular, abdominal, urology and general surgical procedures.

The versatile design features an excellent C-arm with high C-arm depth and large angulation range, allowing you to image a diverse range of patients.

Raise productivity with proven uptime

When you partner with Philips, you are partnering with a leading global brand known for the quality and reliability of its imaging systems. The Zenition 10 takes this promise forward with a focus on high serviceability.
Proactive logging and our Philips Remote Expert Connect features support planned downtime to reduce surgical interruptions.

Together, these features enable many service issues to be resolved without an on-site visit and help you to plan your operational costs more effectively.

Keep productivity high and maintenance effort low, based on Philips' 65+ years of experience and Philips Hospital Operational Services (HOS) tailor-made service agreements that leverage the capabilities of your in-house service teams.

Reduce training time

Ease the burden of training new staff with the mobile C-arm designed to quickly feel familiar. Intuitive controls, on-screen help, digital user guides and clinical education solutions support a fast learning curve for technologists and physicians.

Transfer data beyond the OR

Easily connect Zenition 10 mobile C-arms with your hospital infrastructure thanks to advanced connectivity and interoperability tools, including high-speed wireless data transfer and full DICOM 3.0 capability.

Enhance cyber security with standard Windows® platform

This platform accommodates new software options to extend your system's clinical relevance. With the Windows® operating system, it also supports compliance with the latest security standards to protect patient data and prevent malware attacks which can affect service delivery.

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Up to 90% reduction in X-ray dose
in skeleton mode from selecting from a wide range of dose-frame rate combinations[1]

Up to 60% reduction in patient skin dose
for extremities and pediatrics by removing anti-scatter grid on detector[1]

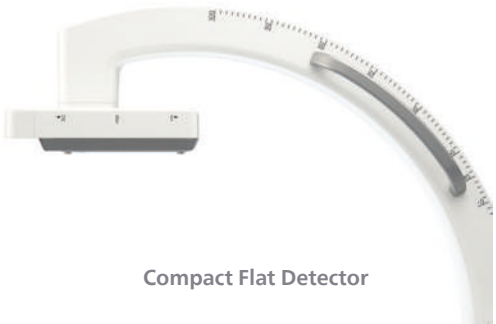
88% of users believe that fixation
of comminuted fractures of long bones would benefit from the small profile Flat Detector[2]

Enhance your clinical capabilities

Designed to put quality first, so you can deliver quality care with confidence.

Reliable Flat Detector performance

Day in, day out, our a-Si Flat Detector technology (20x20 cm) delivers distortion-free images with superb resolution and dose efficiency for performing a wide variety of surgical procedures. It builds on our extensive Philips-long experience in Flat Detector imaging for fixed and mobile C-arm systems.



Compact Flat Detector

Premium imaging technologies

Philips' premium imaging technologies and advanced image processing algorithms combined with DoseWise and radiation management features to give you superb quality images at efficient dose levels.
The MetalSmart feature helps reduce overexposure caused by metal objects in the field of view to enhance image quality for orthopedic procedures and patients with metal implants.
BodySmart automatically adapts the measuring field to the area of interest and promotes first-time-right imaging and dose efficiency.

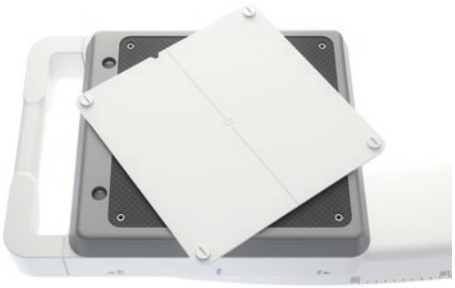
Fast and personalized imaging

One-click procedure-specific protocols can set the required image quality parameters without applying overly high X-ray dose according to the ALARA principle. These imaging parameters can be further customized with user profiles.

Simply select a choice from a predefined list of system and image quality preferences, based on contrast, sharpness, blur and noise.

Dedicated pediatric mode

Optional exam settings enable very low dose modes for pediatrics. Imaging and dose settings can be tailored to small objects and pediatric patients by removing the X-ray grid.



Removable grid

Additional tools for clinical precision

The Multi Modality Viewer allows you to upload CT, MRI and other DICOM images to compare alongside live fluoroscopy images. This helps improve precision in clinical decisions. Quickly mark a bifurcation, side branches or any other anatomy on live fluoroscopy images with the outlining tool for guidance during procedures.

Outstanding user experience

Busy departments benefit from smart time-savers to improve staff productivity.

Ease of use and operation

The excellent C-arm depth of 73 cm and angulation movement of 150º improves accessibility to anatomy allowing quick and convenient positioning for all users. More space is created to easily maneuver the C-arm between the tank and floor/ table base with the space-saving tank design. The compact 20x20 cm FD is also easy to position around patients.

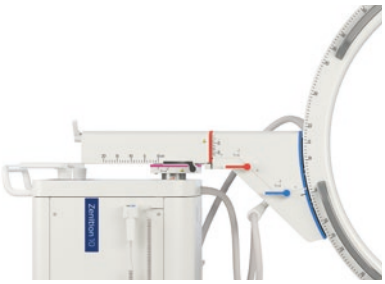
User can easily operate the system with the supple movements of the fully counterbalanced C-arm and the lightweight Mobile Viewing Station.

Reduce miscommunication with Unify workflow[3]

Imaging becomes easier with the navigational aids following the principles of Unify workflow. This workflow brings intuitive control and handling to Zenition 10, enhancing teamwork. Features of the Unify workflow include ClearGuide and Color Coding. These can reduce miscommunication during imaging to help surgical teams focus on the patient rather than technical discussions. With its uniform design and user-friendly controls, operators quickly feel comfortable using the system.

Uniform design and user-friendly controls

With its intuitive user interface, Zenition 10 makes users quickly feel comfortable using the system. With Zenition systems, you get a harmonized range of systems designed to simplify use and streamline fleet management.



Color Coding

ClearGuide

Avoid operational delays

The system can be deployed rapidly in emergency scenarios and is suitable for use in multiple areas of the hospital. Don't let a lack of image storage space slow you down either. The large storage capacity of 140,000 images helps you avoid operational delays from a lack of imaging space.

45% less miscommunication during positioning through our Unify workflow communication aids[3]

20% less time required for positioning of C-arm[3]

45% fewer movements in the wrong direction leading to enhanced workflows and reduced frustration[3]

Doing business responsibly and sustainably

When you choose Philips, you are choosing a partner committed to meeting sustainability and circular economy ambitions. As a leading health technology company, our purpose is to improve people's health and well-being through meaningful innovation, positively impacting 2.5 billion lives per year by 2030.

The Zenition 10 is the result of our EcoDesign process and offers significant environmental improvements:

Product life improved by **25%**[4]

Power efficiency improved by **13%**[4]

Parts recovery during servicing, with recycling passport available to ensure high-quality disassembly and recycling

Zenition 10 is manufactured at a **site certified** for Environmental Management (ISO14001), Occupational Health and Safety (ISO45001)

1. The X-ray dose reductions refer to specific features and will vary depending on the dose parameters selected.
2. Results obtained during claims substantiation study performed in September 2022 by Use-Lab GmbH, an independent company. Responses are based on 18 clinicians from US, who answered a questionnaire subsequent to a usability study and with additional hands-on time with Philips mobile X-ray system.
3. 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.
4. As compared to predecessor product.

Zenition 10 mobile C-arm system is not for sale in the USA and this material is not for use or distribution in the USA.
Availability in other countries subject to local approvals, please contact your local representative.
Some clinical images are from BV Vectra and do not represent the final image quality of the Zenition 10 mobile C-arm systems.

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