



**PHILIPS**

Image Guided Therapy

Mobile C-arm System  
7000

Zenition 70

**Unlimited potential  
at your fingertips**





## Health knows no bounds

When it comes to health, people deserve the best. Yet despite advances, progress is too often slowed. By systems that can't communicate. By data that gets locked in silos. By clinicians who can't see the full picture fast enough and patients who feel lost in the system.

At Philips, we create seamless solutions that connect people, technology and data across the full care continuum, from hospital to home. With everything needed to break the boundaries standing in the way of organizing healthcare around people. First-time-right diagnosis and treatment, actionable insights to lower costs, increased patient and staff satisfaction and better patient outcomes – that's health with no bounds.

There's always a way to make life better.

# Philips Image Guided Therapy Mobile C-arm System 7000 – Zenition 70

Work with ease and confidence, today and tomorrow with Philips Zenition – a series of harmonized mobile C-arms that offers proven ease of use and future-fit capabilities.

Our Zenition 70 system features premium imaging technologies and customization to elevate clinical confidence and efficiency. It offers versatility for a range of clinical procedures including orthopedics, vascular, trauma, spine, pain management, urology, cardiac and other procedures.

Take advantage of the Touch Screen Module for image control from sterile areas in the operating room, for even greater efficiency. Zenition 70, like every Zenition system, uses a standard Windows® platform, and is ready to embrace new clinical applications, service and support technologies as they evolve. Alongside these features, users also benefit from high uptime and a low total cost of ownership, supported by our global service organization.



Increase OR performance



Enhance your clinical capabilities over time



Outstanding user experience



Experience exceptional clarity and flexibility for performing a wide variety of cases with our fourth generation Flat Detector systems. Available with our 30 x 30 cm, 26 x 26 cm and the compact 21 x 21 cm Flat Detector.





# Increase OR performance

Whether your team is performing a routine surgery or complex intervention, time is of the essence. Zenition 70 is designed to increase OR performance across your healthcare facility with exceptionally user-friendly controls, efficient time-savers and a platform geared for high uptime – today and tomorrow.



## Increase efficiency with user-friendly controls and time-savers

Streamline imaging with the magic touch and navigational aids of Unify workflow.

**The Unify Workflow** reduces miscommunications by half,<sup>1</sup> thanks to features such as Position Memory, ClearGuide – which provides a set of reference numbers on clinical images that match with numbers on the detector – and Color Coding, a visual aid relating to system movement. Accelerate workflow further with one-click exam presets and high speed wireless data handling.

## Simplify fleet management and equipment usage across your OR

Operators at all experience levels can easily use Zenition 70 thanks to its intuitive point and shoot design. System settings can be customized and exported to other Zenition 70 systems with the embedded Philips Support Connect tool.



## Reduce total cost of ownership and avoid obsolescence

Extend your system's clinical performance with the standard Windows® platform ready to incorporate new innovations and software upgrades. Realize high uptime with easy serviceability and remote support options that can handle many service issues without an on-site visit.



### Ensure high productivity over time

Experience a fast learning curve with Zenition 70, thanks to intuitive controls, on-screen tips, digital user guides, and clinical education solutions designed to help reduce training time and costs. Our e-learning modules offer the possibility of learning on different devices, at home or at work.

Easily connect your fleet of Zenition 70 mobile C-arms with other OR systems and your hospital infrastructure, thanks to advanced connectivity and interoperability tools – saving time with fast communication across the hospital.



The system's low-maintenance design leverages Philips' 65+ years of experience. Philips Remote Services provides remote connectivity for faster issue diagnosis and resolution – helping maintain high uptime. With Philips' technical experts able to log in remotely and assist from a distance, on-site visits and disruption are kept to a minimum. Additionally, Wi-Fi is enabled by default, for easy data transfer to help reduce cable clutter and eliminate unnecessary steps in the workflow.

Further reduce the resources you spend on service activities with Healthcare Operational Services,<sup>2</sup> a broad portfolio of eight multi-tier service agreements tailored to needs and goals. Choose from a diverse range of direct support options, where you effectively rely on Philips, or tiered support, where in-house capabilities are complemented by Philips support and expertise.



45% less miscommunication  
with Unify workflow<sup>1</sup>





**See up to 33% more  
anatomy in one image<sup>4</sup>**  
to gain a full perspective  
of disease





# Enhance clinical capabilities over time

Challenging patients and longer, complex procedures put ever greater demands on your surgical imaging systems. With Zenition 70, the medical team is superbly equipped to perform a variety of today's and tomorrow's interventions and surgical procedures with confidence, while effectively managing radiation dose.

## **Safeguard clinical performance and extend your system's clinical relevance**

The standard Windows® platform accommodates new software options to extend your system's clinical relevance, while the Technology Maximizer program offers a cost-effective way to manage upgrades over time. Windows® also supports compliance with the latest security standards to protect patient data and prevent malware attacks which can affect service delivery.

## **Perform longer and complex procedures**

Zenition 70 is engineered for continuous imaging, with a tank design that helps enhance heat management. Efficiently image a variety of procedures and patients with application-specific protocols and customizable presets. One click applies the required image quality parameters without applying overly high X-ray dose according to the ALARA principle.<sup>3</sup> Benefit from Philips' premium imaging technologies and advanced image processing, to visualize complex structures and dense anatomy with exceptional clarity. The fourth generation Flat Detector technology delivers distortion-free images at low dose. The solution combines the radiation management features of our comprehensive DoseWise tools with training and integrated product technologies.

## **Say yes to challenging patients**

Every patient is unique and Zenition 70 helps you obtain uniquely specific image quality at efficient dose levels, regardless of patient challenges. For example, Pulsed Fluoroscopy enhances imaging of dense and complex anatomy to support you in managing dose, while our premium imaging technologies clarify tiny details and anomalies for diverse patients.

## **Save time and X-ray dose**

With the 30 x 30 cm Flat Detector, broaden your anatomical coverage in each image. This may reduce the total number of images, the amount of X-ray dose, and – in some cases – the contrast medium used during a procedure. This can save valuable time and aids you in uncovering details you might otherwise miss on a smaller field of view.



# Outstanding user experience

Your first priority is your patient. Your imaging system should help you maintain a single-minded focus while you work. Zenition 70 incorporates Philips Unify workflow – our outstanding user experience based on tablet operation principles. Immediately recognize how Zenition 70 works and easily get excellent imaging results during any intervention and surgical procedure.

## Reduce distractions

During challenging surgical situations, reducing technical distractions and discussions can help surgical teams remain focused on the patient. Zenition 70 draws upon proven technology to improve surgical teamwork. With Unify workflow's navigation aids, surgical teams experienced smoother interactions and less miscommunication in a usability study.<sup>1</sup>

## Simplify operation for every user

Users quickly feel comfortable using Zenition 70, thanks to a tablet-like UI which emulates the usability of standard tablets and smartphones. The system can be easily operated by one user to reduce staffing costs thanks to the easy glide movements of the fully counterbalanced C-arm and lightweight Mobile View Station.

## More imaging control at table-side

The optional Touch Screen Module lets you control C-arm functions directly on the touchscreen – allowing you to select, drag and zoom items with ease. This means you can view images instantly, giving you greater image control during procedures. Fast access to images on the Touch Screen Module paves the way for smooth, straightforward and efficient communication.

**96% of physicians** said the Touch Screen Module gave them complete control over imaging parameters<sup>5</sup>

## Accurately return to pre-saved positions

Speed up re-positioning and achieve first-time-right positioning by recalling stored C-arm positions via the Position Memory function. This feature enables the coordinates of every stored image to be displayed, as well as the current and saved positions. As a result, users can smoothly guide the C-arm back to the exact projection that is required.





**94% first  
time-right  
repositioning  
with Position  
Memory<sup>1</sup>**





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## Premium performance for demanding cases

Unify workflow brings intuitive control and handling to the Zenition Flat Detector system to reduce training and enhance teamwork. Unify workflow consists of:

- 1 ClearGuide
- 2 Tablet-like UI
- 3 Color Coding
- 4 Position Memory

- 5 Experience exceptional clarity and flexibility for performing a wide variety of cases with our fourth generation Flat Detector systems.
- 6 Every Zenition system shares a standard Windows® platform and is ready to embrace new clinical applications and service and support technologies as they evolve.
- 7 Visualize complex structures and dense anatomy with exceptional clarity and dose control through advanced image processing algorithms from Philips fixed C-arm systems and Zenition's array of radiation management features.

- 8 Philips premium imaging technologies incorporate powerful state-of-the-art image processing technology: a smart new way of filtering, asymmetric and independent shutters, BodySmart, MetalSmart, 15 kW tube, and monoblock design.
- 9 Easily connect all Zenition mobile C-arms with other OR systems and your hospital infrastructure thanks to advanced connectivity and interoperability tools, including high speed wireless data transfer.
- 10 The outlining tool allows drawing an outline on an image on the tablet-like UI, using your finger or an externally connected mouse.
- 11 The Technology Maximizer program helps you manage upgrade costs for years to come.







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#### 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 procedures using Philips mobile X-ray systems in a simulated OR environment. None of them had worked with each other before.
- 2 Healthcare Operational Services (HoS) availability is subject to market release. Please check with your regional sales representative for suitable service contracts.
- 3 In compliance with IEC60601-2-43.
- 4 Compared to Philips 26 x 26 cm flat detector.
- 5 Results obtained during claims substantiation study performed in June 2022 and May 2023 by Use-Lab GmbH, an independent company. Based on responses from 25 Physicians from the EU and the US, who answered a questionnaire after a usability study with additional hands-on time with the system.

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