C504-E032A

SHIMADZU
Excellence in Science

Mobile X-Ray System

MobileDaRt Evolution

MX8Version K





Evolutionary Modernity

MobileDaRt Evolution

MX8 Version K

Responsive and maneuverable Mobility

Two second image verification offering Immediacy

A large viewing monitor for enhanced Functionality

The award winning MobileDaRt Evolution is further refined into the MX8 Version featuring a collapsible column to broaden the mobile's solutions.

*) The TM and ® symbols are omitted in this document.

More than a Mobile, an Experience

Inch-Mover for Bedside Positioning

The main unit can be moved forward or backward with switches conveniently located on the collimator. The technologist can adjust positioning more precisely without moving around the patient bed.



Cable-less solution for Exposure Switch *)

OPTION

A wireless hand switch is available offering ease-of-use operations without a concern of cable handling. This hand switch has a visible indicators displaying X-Ray ready and exposure.



Adjustable irradiation fields by dual side controls

The collimator knobs and lamp button are located on both the front and the back side,allowing the technologist to easily confirm and change the irradiation field.

Adjustable handle height

OPTION

You can easily lower the handle height at anytime.





*) Availability of the option depends on the regional radio wave regulation.
Please contact Shimadzu representative in the region regarding the availability.

Positioning from any Direction

Pressing the “All Free” button releases the electromagnetic locks for the telescopic arm and column at the same time, thus enabling simple one-step positioning. Multiple "All-Free" buttons are located around the system, so the technologist can access the system from any direction.





Designed for Everyday use

The mobile’s backside stores FPD’s as well as accessories like pens and markers. The front bins can provide spaces for wipes and other accessories.



Convenient Battery Charging process

The very accessible power plug is located just under the handle bar on the back side of unit.



Scatter Correction (Intelligent Grid®) enables gridless radiography

OPTION

The system can be equipped with a function to remove scatter noise and improve image contrast, making it possible to perform exposures without the use of a grid making it easier to handle FPD’s.

Select the Perfect FPD for Your Application

FPD models are available to meet a wide variety of clinical needs, such as the physical size and data transmission. You can share one FPD between multiple units or you can add various size FPD’s.



Operator-Friendly Design

ROUNDS

Hospital Rounds

Intuitive Maneuverability

Great forward Visibility offering Peace of mind

The collapsible column has been developed to enhance forward visibility during travel, making it ideal for daily hospital rounds.

Responsive and Smooth Driving

Optimized power assist system delivers natural light touch driving whether moving forward, stopping quickly or changing directions. The system maneuvers easily and naturally to support comfortable operation.

Designed to make every round as comfortable as possible

The low-profile and curved shape creates a natural driving experience.



For Optimized performance

Wireless Barcode reader *)

OPTION

The barcode reader can effortlssly assist with patient registration for imaging in hospital rounds. With its wireless feature, the technologist can easily reach patients to scan their barcode.



Heightened Security

Keyless Entry

OPTION

Instead of a key, each user can have their own password enabling accessibility to preferences and preset X-ray parameters. This further enhances security and workflow.



Anti-theft FPD lock function

FPD storage bin is equipped with a detector lock function that can heighten the security level against FPD theft.



*) Availability of the option depends on the regional radio wave regulation.
Please contact Shimadzu representative in the region regarding the availability.

Maximum Performance in Confined Spaces

ICU

Intensive Care Units

Wide Exposure Range

The system is especially useful for imaging in ICU's, where there are numerous devices around the patient. With the low profile X-Ray tube and the 1200 mm extension telescopic arm, the MX8 easily positions for patient imaging.

Shock-resistant body design

The body cover has been strengthened to prevent damage should the unit hit an object when moving around the wards. The unique soft-touch bumper automatically stops the unit when even the slightest pressure is detected.The stylish body is designed to be highly shock-resistant.





Large Image Storage Capacity

A large storage capacity provides peace of mind when performing repeated radiography. A 3000-images storage capacity in the main unit makes it easy to reference past images and quickly compare images before and after surgery.

3000 images

Comfortable Examinations for All Patients

NICU

Neonatal Intensive Care Units

Designed to minimize Radiation Exposure

The estimated Dose Area Product (DAP) is displayed prior to exposure, and the calculated DAP value is stored for post-exposure management. (mesured DAP instrument is optional.) Also, a high sensitivity FPD helps reduce radiation exposure for imaging of neonatal babies or infants.



Pediatric filter *) Supported

In order to cut soft X-rays that do not contribute to image acquisition, the pediatric filter can be installed in the collimator. Using a filter reduces radiation exposure efficiently while image quality is maintained.



Compact FPD for Pediatric Care

The compact FPD fits inside the cassette tray of an incubator environment.

*) The pediatric filter itself is not an optional item. Please use one belonging to your facility.

Designed for Quick Action

ER
Emergency Room

Designed for Sterile Equipment Covers

For daily use, extra storage spaces are provided to store wipes, pens, markers, etc. Grooves have been added for holding the FPD vertically while putting a sterile cover on the unit.



Excellent waterproofing

The FPDs conform to the IPX6* water proof standard to prevent ingress of liquids.

*) Waterproof property depends on the FPD models.

Minimal Startup Time for Emergency Needs

System startup takes only one minute and is immediately ready for use in emergency conditions.



Quick Image Verification

Displaying images just 2 seconds** after exposure is especially useful in emergency rooms (ER) where time to treat is critical for saving lives or reducing paralysis. The ER staff can see images almost immediately on the system reference display for preliminary image verification, allowing treatment to continue without delay.



**) Pre-view time may exceed depends on the FPD model and acquisition mode (binning).

Meeting the Needs for Surgical Environments

OR
Operation Room

Integrated Design for easy Clean-up

The 19-inch large touch panel display is excellent for quickly viewing images, and the flat screen design makes it easy to clean-up.



Retained Surgical Instruments Can Be Verified Quickly

On-site image review is helpful to reconfirm any retained surgical instruments.

Tube Gauze for Safer Procedures

For use in surgical operations, the new image processing function helps to confirm the absence of residual instruments like sponges, gauze or needles. This is also useful to reconfirm locations for the catheter tip in PICC insertion procedures more clearly.

Connection for Secondary monitor OPTION

The ability to connect an external monitor is especially helpful for sharing images with all surgical team members in operating rooms.

Founded in 1875, Shimadzu Corporation, a leader in the development of advanced technologies, has a distinguished history of innovation built on the foundation of contributing to society through science and technology. We maintain a global network of sales, service, technical support and applications centers on six continents, and have established long-term relationships with a host of highly trained distributors located in over 100 countries. For information about Shimadzu, and to contact your local office, please visit our Web site at **www.shimadzu.com**

SHIMADZU

Shimadzu Corporation

Headquarters
1, Nishinokyo-Kuwabara-cho, Nakagyo-ku, Kyoto 604-8511, Japan
https://www.med.shimadzu.co.jp



Shimadzu Corporation Medical Systems Division has been certified by TÜV Rheinland as a manufacturer of medical systems in compliance with ISO9001:2008 Quality Management Systems and ISO13485:2003 Medical Devices Quality Management Systems.

Remarks:

- Every value in this catalogue is a standard value, and it may vary a little from the actual at each site.
- The appearances and specifications are subject to change for reasons of improvement without notice.
- Certain configurations may not be available pending regulatory clearance. Contact your Shimadzu representative for information on specific configurations.
- Before operating this system, you should first thoroughly review the Instruction Manual.

Printed in Japan 6291-06801-30AMF