

Mobile X-Ray System

MobileDaRt Evolution

MX8Version 





Evolutionary Modernity

MobileDaRt Evolution

MX8Version 

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.

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.

Superior Power Supply Management Functionality (Smart seCURE)

By integrating the digital image processing unit with the main unit, the system operating status can always be determined from the main unit. If no operations have been performed for a long period, the power supply automatically switched OFF to help save power.

Adjustable handle height

OPTION

You can easily lower the handle height at anytime.



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 (Smart SR) 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, sensitivity, and data transmission. You can share one FPD between multiple units or you can add various size FPD's.



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

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



Remote desktop **)

OPTION

Remote access lets you to access RIS terminal from mobile console.

Displays the Destination for the Next Examination

When the arm is stowed after finishing radiography, the hospital room or other information for the next examination is displayed on the main unit monitor. That improves the efficiency of hospital rounds by making it easy to confirm the next destination.



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.

IC card Login *)

OPTION

A multiple user's IC card can be registered in advance. Simply passing over card reader will boot up the system.

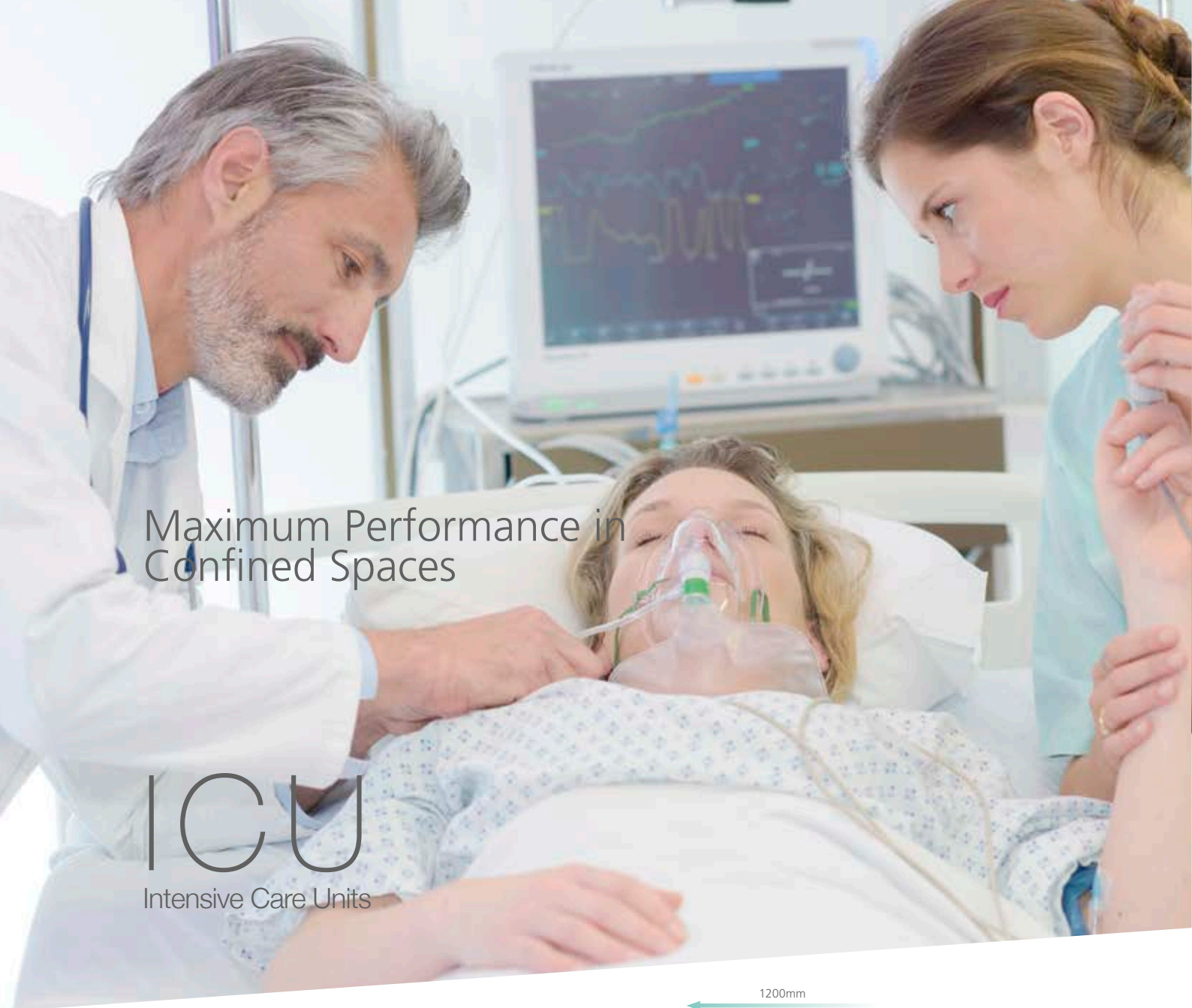
Anti-theft FPD lock function

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



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**) Not available in the USA



Maximum Performance in
Confined Spaces

ICU
Intensive Care Units

Comfortable Examinations
for All Patients

NICU
Neonatal 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.



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. (measured DAP instrument is optional.) Also, a high sensitivity FPD helps reduce radiation exposure for imaging of neonatal babies or infants.

Pediatric filter ^{*)} Supported

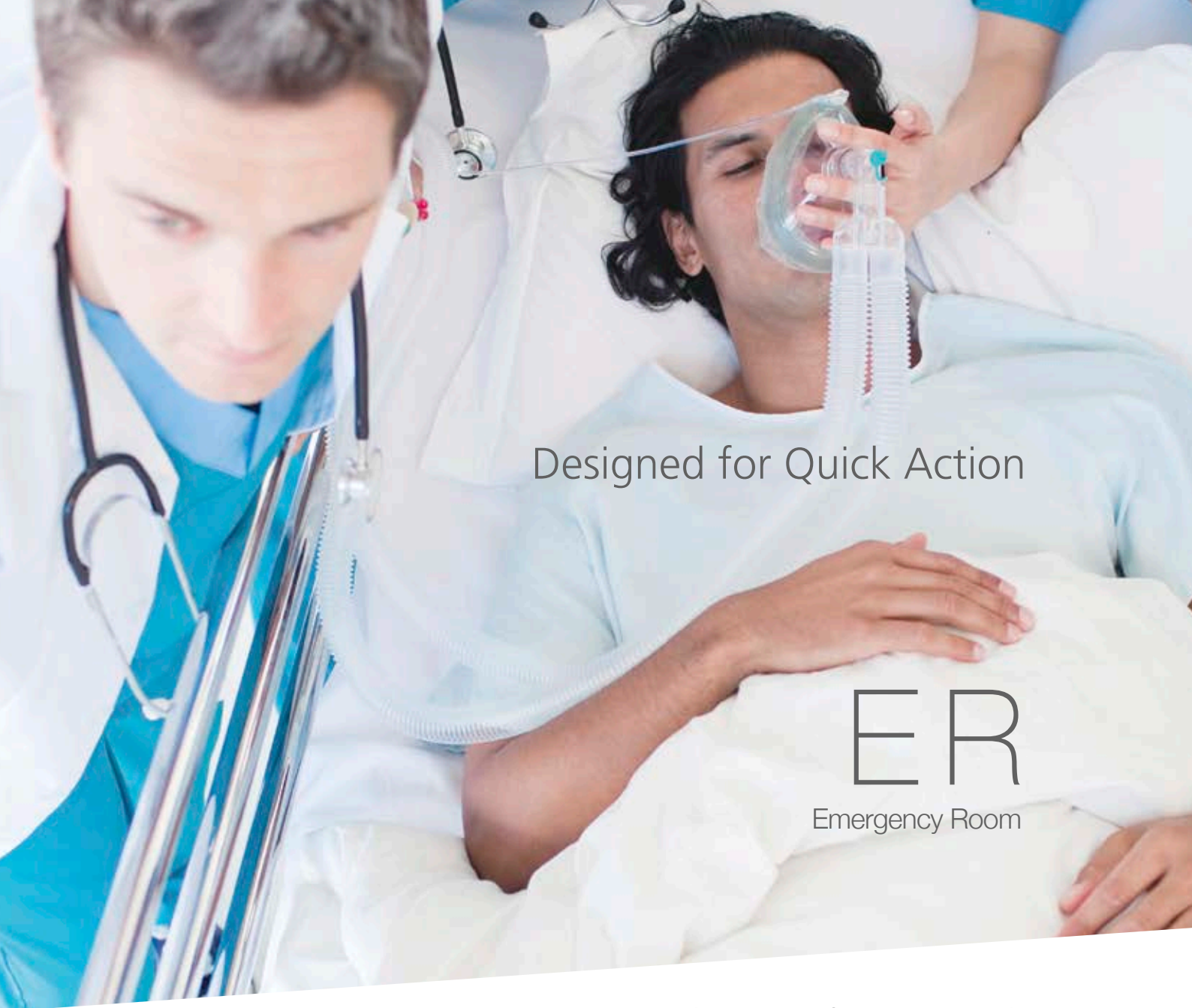
In order to cut soft X-rays that do not contribute to image acquisition, the pediatric filter can be installed in the collimator. Using a filter reduces radiation exposure efficiently while image quality is maintained.

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



Meeting the Needs for
Surgical Environments

OR
Operation 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.

*) 14x17inch type FPD only

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.



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.



Fine-View Image Enhancement
Supports Quickly and Accurately
Checking for Remaining Items

OPTION

After radiography, the image displayed on the main unit can be used to quickly confirm whether the radiography needs to be repeated or not, for example. Fine-View also helps confirm the position of catheters or objects during surgery or check for gauze or other items remaining after surgery.

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.

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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.