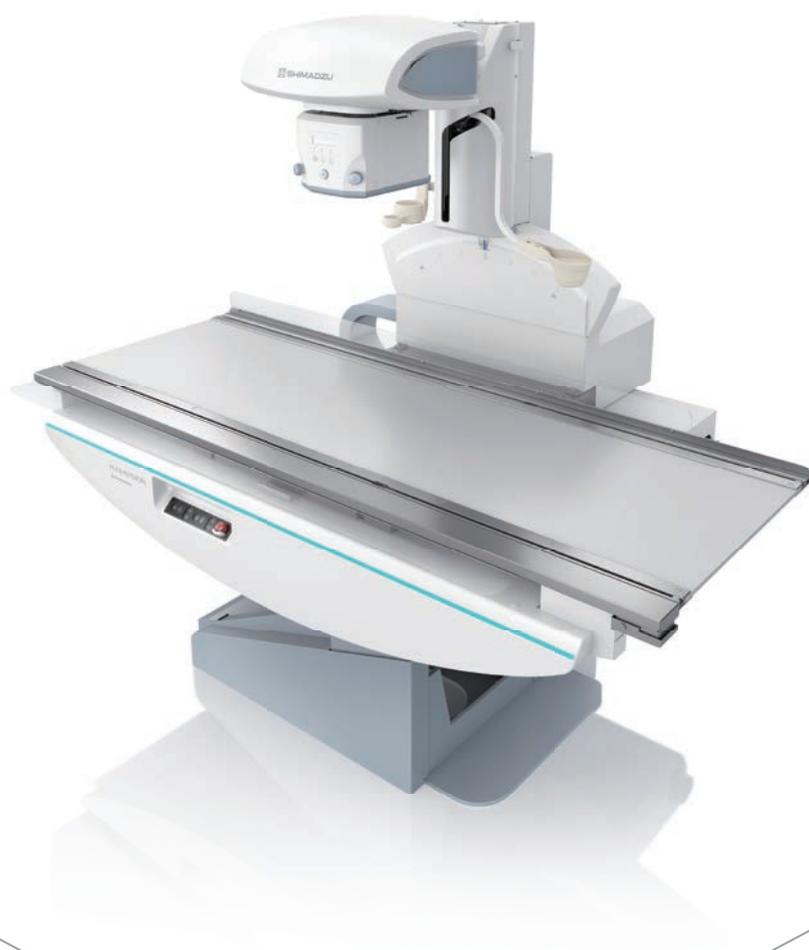


Remote Controlled R/F system
FLEXAVISION
F4package



Fits all your needs with a 17"x17" wireless FPD



FLEXAVISION F4 package provides further evolution of its flexibility in fluoroscopic examination, with extensive possibilities in general radiography using a large field of view, wireless FPD.



The usage shown in this catalog may require an option. Please contact a Shimadzu sales representative for details.

A high-performance system that enables general radiography, in addition to fluoroscopy, FLEXAVISION F4 offers the flexibility to configure an examination room tailored to your needs.



The system can also function as a backup General Radiography System for screening patients with infectious diseases.



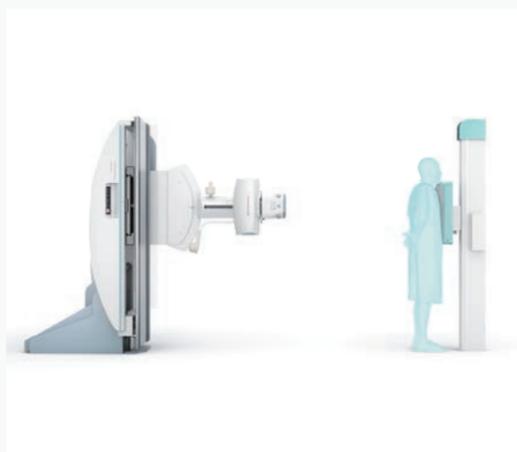
Single-panel solution offers new possibilities for general radiography

The new FLEXAVISION F4 package now includes a lighter, detachable, wireless FPD. This transforms the Digital RF unit into a 2-in-1 system that can perform both fluoroscopy and general radiography with ease.

Two x-ray tube functions - tube swivel* and tube rotation* - allow F4 to be used for taking x-ray images. Productivity is further improved when a ceiling-mounted x-ray tube support system is combined with the main unit.



General radiography can be performed by detaching the FPD and placing it directly against the patient on the table*.



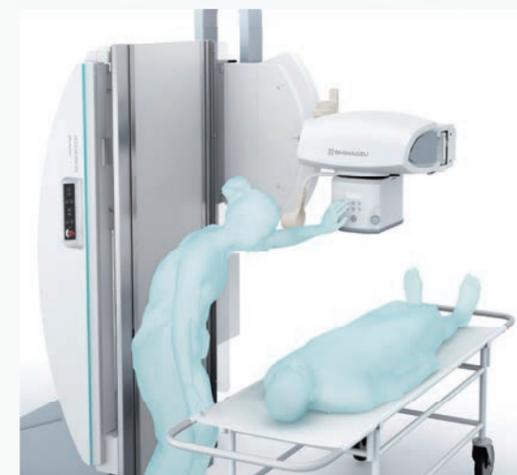
The 37 or 90-degree swivel and the 180-degree rotation, both optional functions of the X-ray tube, effectively enables the F4 main unit to perform radiography of the chest or other body parts.

One DR console solution with a 2nd wireless FPD increases your RF room's efficiency

Images that are captured in both the F4's FPD and a 2nd wireless FPD can be managed on a single digital radiography (DR) system and workstation for more streamlined operations.



※ For more information about available FPD models, contact a Shimadzu sales representative.



The 90-degree swivel function allows radiography of stretcher-bound patients to be done without the need to transfer them to the table, thus increasing safety and improving workflow.



In combination with a ceiling-mounted X-ray tube support and Bucky stand, the system can be used for general radiography of the chest or other areas.

* Option

The F4 Package is your partner in clinical practices

Gastrointestinal Studies

The 600 kHU high-capacity X-ray tube ensures stress-free examinations.
The ability to switch from fluoroscopy to radiography only in 0.9 seconds achieves the perfect timing for radiography.
Oblique projection function makes it easy to observe the stomach orientation from any direction in steerhorn and cascade stomach cases or in other affected areas.
Images can be captured at rates of up to 15 fps for serial radiography and can be divided into two or four images for sub-divisional radiography.



Swallow Examinations

The support column can be extended to up to 150 cm to provide enough space and prevent patients from feeling confined.
The small base plate prevents interference with wheelchairs.

The ability to position the exposure field via the control panel on the collimator helps ensure that examinations can be performed smoothly.



Endoscopic Studies

The tableside monitors in the examination room can be ceiling-mounted*. The system's compact design reduces interference with ceiling-mounted monitors.
The high-definition fluoroscopy mode with 1 x 1-pixel output allows even more detailed observation of small devices, such as catheter tip or stent.



DSA Examinations*

DSA frame rates of up to 15 fps supports shunt angiography etc. A roadmap function is also included for overlaying fluoroscopic or DSA images previously acquired during a procedure on the live fluoroscopy image.



Pediatric Studies

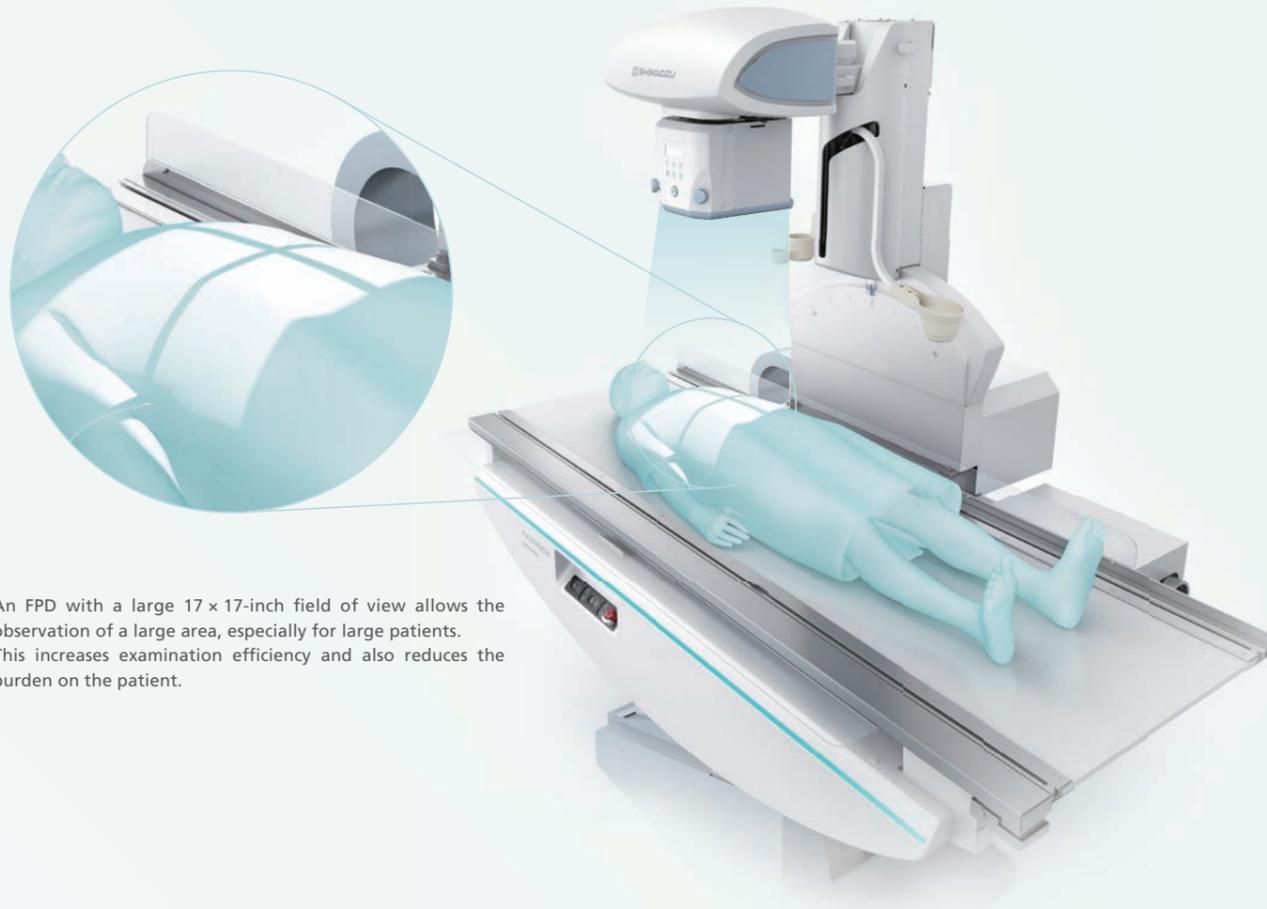
Pulsed fluoroscopy rate as low as 2 fps or a beam-hardening filter (Cu) can be used to minimize X-ray dose levels.
Grid removal, regardless of table position, enables further reduction in X-ray dose.



* Option

Capture a large area in a single image

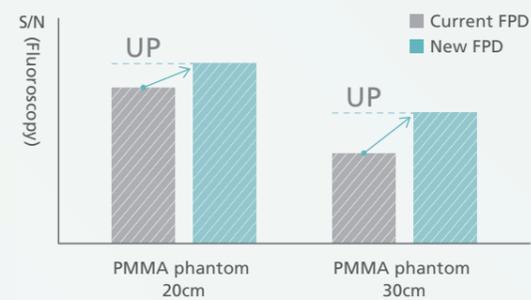
Large Field-of-View FPD is now available with FLEXAVISION F4



An FPD with a large 17 × 17-inch field of view allows the observation of a large area, especially for large patients. This increases examination efficiency and also reduces the burden on the patient.



The FLEXAVISION F4 package is equipped with a new FPD that boasts high sensitivity. With far higher S/N levels than previous FLEXAVISION series models, the new FLEXAVISION F4 package minimizes noise to provide fluoroscopy images with excellent visibility even for patients with thick bodies.



Large 17x17-inch Image

Large areas such as the abdomen or chest, extending from the kidneys to the bladder, can be observed with high image quality.



Enhanced Image Quality

Original images are automatically analyzed by an exposure field recognition process that detects only the target area within the large FPD field of view.

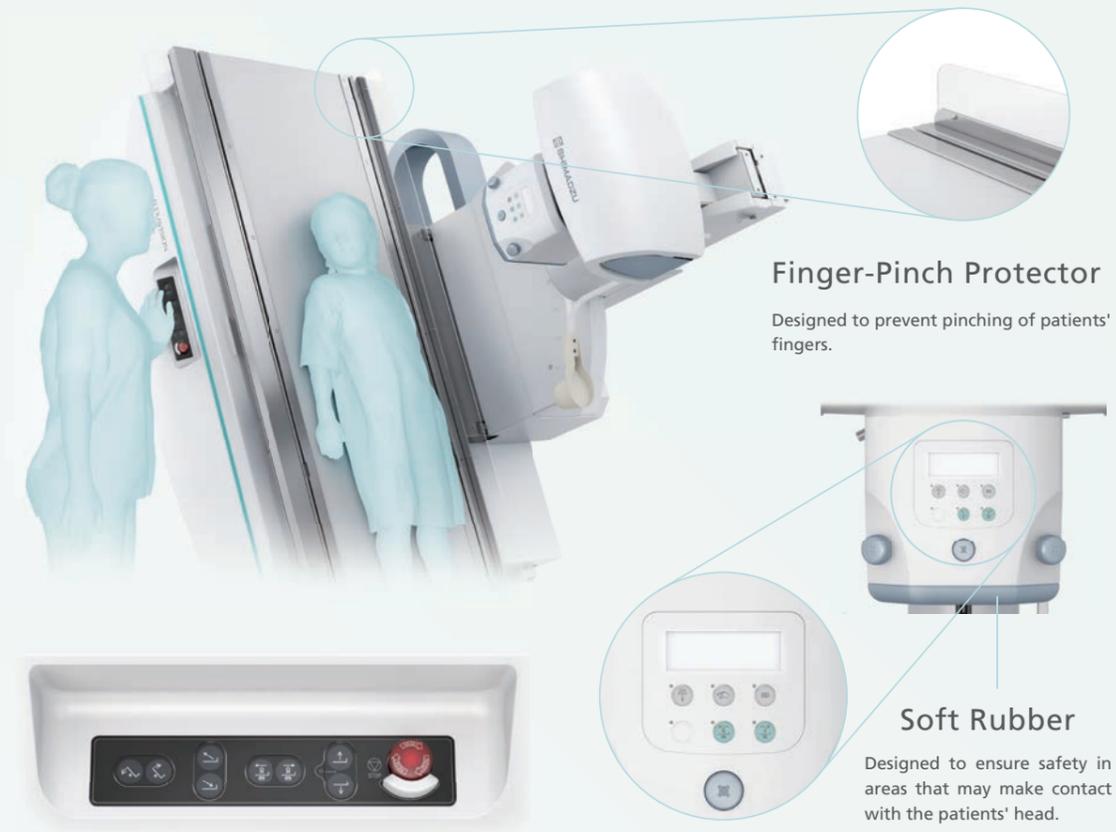
Halation occurring near the skin or caused by intestinal gas can be suppressed and the sharpness of devices can be emphasized selectively by applying various digital image processing technologies including multi-frequency processing that are suitable for each body part.

In order to reduce noise, the image processing technology for motion correction is also equipped in addition to the recursive filter. Thus, the visibility of low-dose fluoroscopic images can be enhanced by reducing noise components efficiently while suppressing image lag.



Thoughtfulness for Everyone

Designed for Efficient Workflows and Minimum X-Ray Dose Levels



Finger-Pinch Protector

Designed to prevent pinching of patients' fingers.

Soft Rubber

Designed to ensure safety in areas that may make contact with the patients' head.

Bedside Controller

The system can be operated while caring for patients at the bedside.

Collimator Controller

The imaging system can be operated easily, even when the table is lowered.



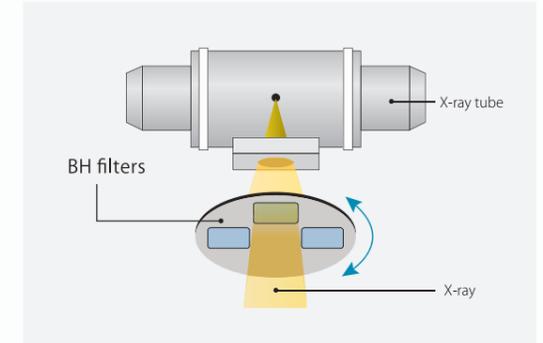
The table tilting functions are designed with soft-start and soft-stop actions to minimize patient anxiety caused by sudden movements. In the standing position, the edge of the tabletop is 5 cm from the floor. The minimum step height is 10 cm from the floor, making it easier for patients to step up or down from the table. A sensor at the table edge automatically stops tilting actions if part of the foot is being pinched.

Low-Dose Control

Six pulse rate settings, from 2 to 15 fps, are available for each clinical purpose.

Three types of beam-hardening (BH) filters can be used to efficiently eliminate unwanted soft X-rays during examinations. The default BH Filter can be specified for each examination program, and is applied automatically when the program is selected.

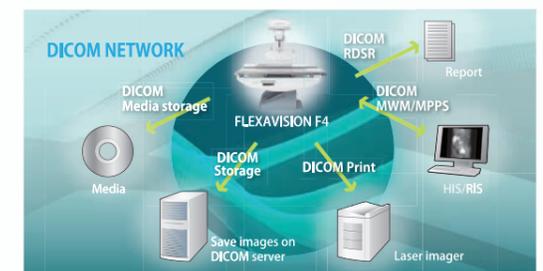
The X-ray dose can be further reduced by the removable grid and setting the virtual collimation that enables to adjust the collimating field without exposure.



Comprehensive Dose Management

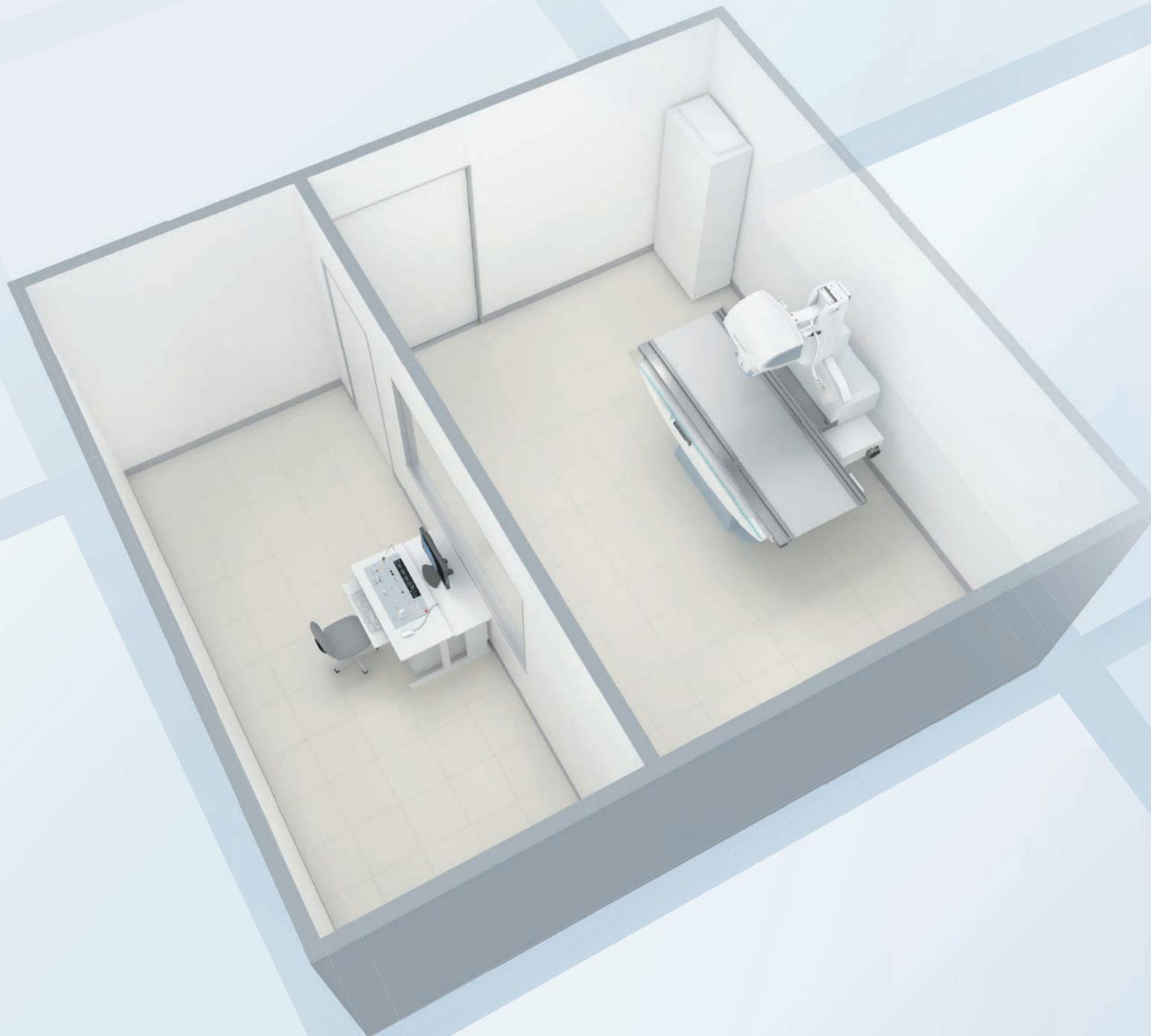
Calculated X-ray dose values are displayed on the monitor, providing a reference for X-ray dose levels during examinations. A dose area product meter can also be installed to display dose measurement values*.

Dose values are managed as DICOM information. In addition to CSV output, F4 package also supports DICOM MPPS and DICOM RDSR.



* Option

All functionality is packed into a single, compact cabinet thereby saving space



For Efficient Examination

The area around the support column is uncluttered by housing the elevating unit under the table. That enables a large workspace around the table.



The table elevating function ensures that the table can be adjusted to a working height optimal for the operator. This is also useful for transferring patients easily from a stretcher (or bed) to the table.



For Comfortable Operation

FLEXAVISION F4 is equipped with a powerful computer system integrated in a compact design. This reduces clutter and provides ample leg space, which translates to the effective utilization of the limited space available for the comfort of operators.



Label Description: REMOTE-CONTROLLED R/F SYSTEM FLEXAVISION

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Shimadzu Corporation Medical Systems Division has been certified by TÜV Rheinland as a manufacturer of medical systems in compliance with ISO9001:2015 Quality Management Systems and ISO13485:2016 Medical Devices Quality Management Systems.

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- The appearances and specifications are subject to change for reasons of improvement without notice.
- Items and components in the photos may include optional items. Please confirm with your sales representative for details.
- 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.