

RADspeed Pro

SR5 Version combined with DR system

FUJIFILM
Value from Innovation

FDR D-EVO III

Glass-free premium digital radiography detectors



Label Description: RADspeed Pro



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.

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.
- Items and components in the photos may include optional items. Please confirm with your sales representative for details.
- System configurations and options may not be available depending on the country. Please confirm with your sales representative for details.
- Before operating this system, you should first thoroughly review the Instruction Manual.
- RADspeed Pro, PowerGlide, Vision Support and Glide Technology are trademarks of Shimadzu Corporation or its affiliated companies in Japan and/or other countries.
- Company names, products/service names and logos used in this publication are trademarks and trade names of Shimadzu Corporation, its subsidiaries or its affiliates, whether or not they are used with trademark symbol "TM" or "®". Third-party trademarks and trade names may be used in this publication to refer to either the entities or their products/services, whether or not they are used with trademark symbol "TM" or "®". Shimadzu disclaims any proprietary interest in trademarks and trade names other than its own.

For a personalized demonstration, please contact our Sales Department at 1-888-882-8898.



CHRISTIE INNOMED
516 Dufour Street, St-Eustache
QC CANADA J7R 0C3
T. 1-450-472-9120 | T. 1-800-361-8750
info@christieinnomed.com
christieinnomed.com

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 website at www.shimadzu.com



Shimadzu Corporation

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



Empowering Your Vision

RADspeed Pro™

SR5 Version combined with DR system

All visions are designed for achieving a better examination environment.

Increasing examination efficiency by standing closer to patients and reducing the burden on medical personnel. Shimadzu offers various solutions for achieving easy-to-use and comfortable examination environments that address the challenges and needs of a wide variety of healthcare situations.



Vision for Patient Focused Experience

Optical Camera Application Creates an Environment where Medical Personnel can Focus on Patients OPTION

The Vision reflects New Possibilities

VISION SUPPORT

The video image from a camera built into the collimator is displayed on the X-ray tube support control panel and high-voltage generator control panel monitors. The optical camera application provides an environment where medical personnel can focus on patient care.



Supporting you Watching over Patients

In addition to visually checking on patients, you can observe patients from both the examination room and control room.

Reduces Positioning Effort and Improves Accuracy

Live View Display

Scan me, >



Supports accurate positioning by showing overlay of detector area, irradiation field and AEC pickup fields*, which are difficult to check directly.

*Guide line overlay is for reference only.
*AEC pickup fields overlay is not available in the United States.

Reduces Frequency of Repeating Exposures due to Body Movement

Motion Detection

Scan me, >



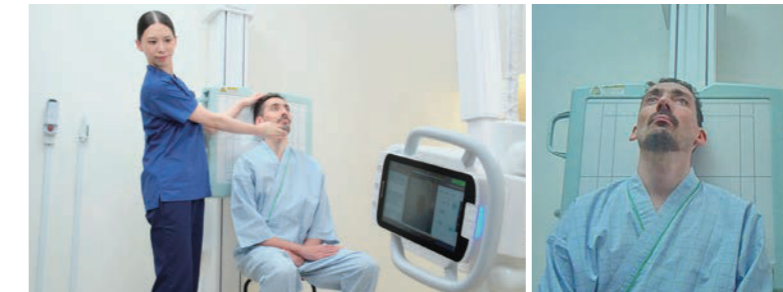
Patient body movement can be confirmed from the point that body movement detection mode is activated.*

*Check the patient's condition, even directly visually.

Smoother Positioning Correction during Repeated Exposures

Last Position Display

Scan me, >



By checking the immediately previous exposure positioning, positioning can be achieved more smoothly when repeating exposures.

Vision for Easy Operation



Innovations that Improve Operability

Healthcare requires multiple complex tasks. To support this hectic work, it is essential to achieve an examination environment that contributes to diagnosing patients, while also ensuring simple and intuitive operability. Shimadzu offers systems optimized for usability.



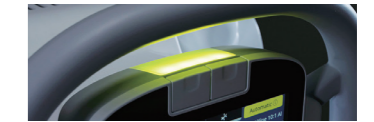
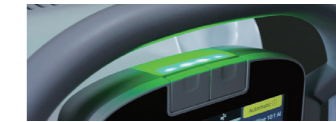
Illumination Improves Visibility

Illumination of the X-ray high-voltage generator and ceiling-mounted X-ray tube support enables better understanding of the instrument status. In addition, the hand switch illuminates to indicate the system is ready for the next exposure.



Ready up

Exposure



Ready up

Exposure



Lower Hand Grip

A hand grip is provided on the back side at the bottom of the control panel, and operation is possible by pressing the all-free switch on the front side. Operation is easy even when the X-ray tube support is located in a high position.



Graphic Display of Unlock Buttons

Graphic unlock buttons enable more intuitive operability by displaying button symbols with the unlock direction oriented to match the perspective of the operator in either supine or standing positions.



Vision for Reduction of Operator Burden

Power Assist Function Supports Positioning

Superb operability Power Assist Function OPTION

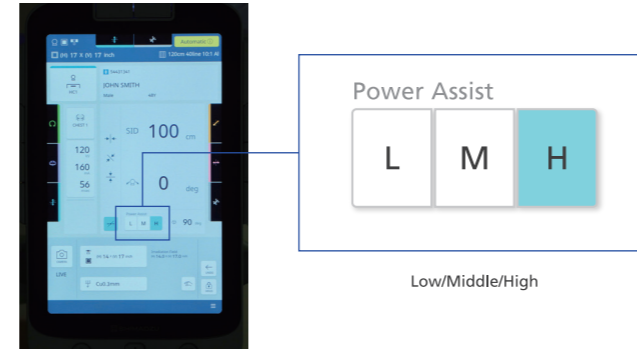
Motors assist handle operations. This reduces the burden on operators during movements by enabling the ceiling-mounted X-ray tube support to be moved quickly and lightly.

 **POWER GLIDE** function



Change Assist Levels with One Touch

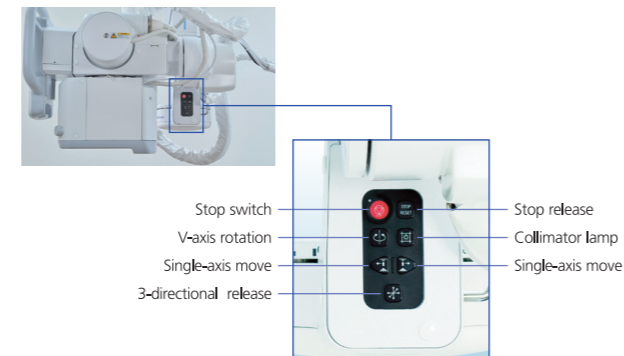
Large movements can be made quickly with lighter force, and precision movements can be made for detailed positioning.



Convenient Rear Switch on the Support Column

The rear switch on the column of the ceiling-mounted X-ray tube support is useful for positioning from the rear side.

(The image below shows the system in combination with the power assist function.)



Five-Axis (Max.) Auto-Positioning Feature Allows the Operator to Focus on Patient Care OPTION

The X-ray tube support can be moved by remote control. This enables smooth positioning while observing the patient.



Wireless Remote Controller for Automatic Positioning

An infrared wireless remote controller is used to prevent cable interference. In addition to instrument movements, it can also control the collimator. Actions immediately stop when the remote control operations are stopped.



Vision for High Throughput



Achieves Efficient Workflow

Use it to perform examinations smoothly, while relieving patient anxiety. To achieve both, a system is required that can shorten examination times while ensuring safety. Shimadzu supports efficient examination process flows for front-line healthcare workplaces.



Speed Stitch (Auto Stitching of long view images) OPTION

The system automatically swivels the X-ray tube and moves the FPD to capture images.

The captured image data is then automatically stitched together in the DR system. That makes it easy to create images that are wide along the longitudinal direction of the body.*

Scan me, >

Setting



Scan me, >

Speed Stitch



*This functionality is available for systems that combine a Shimadzu BR-120 or BR-120T Bucky stand and a BK-200 Bucky table with a DR system from other manufacturers. For information about compatible DR systems, please contact your sales representative.



600kHU High capacity X-Ray Tube OPTION

Because only 0.8 seconds is required to prepare for exposures after pressing the exposure button, images can be acquired quickly, even for patients with difficulty holding their breath or holding a particular body position. The X-ray tube anode starts high-speed rotation when the collimator lamp is illuminated.



System

X-Ray Tube Support CH-200

- Vertical travel : 1600mm
- Longitudinal travel : 2950mm (with a 4m fixed rail)
- Transverse travel : 1400mm (with a 2m travelling rail)
- Vertical tracking **OPTION**
- Bucky tracking **OPTION**
- Longitudinal or Lateral SID display
- Power assist function **OPTION**
- Auto Positioning **OPTION**
- Tractable cable management system **OPTION**



Tractable Cable Management System **OPTION**



RC-300

- Auto Collimator
- Auto filter
- (None/Cu 0.1mm/0.2mm/0.3mm)



X-Ray High-Voltage Generator 80kW

- Newly designed touch screen display
- Mulch-color illumination
- Communication with CH-200 display
- Automatic exposure control
- Self diagnostic function with display of error codes
- 80, 65 and 50 kW output selection

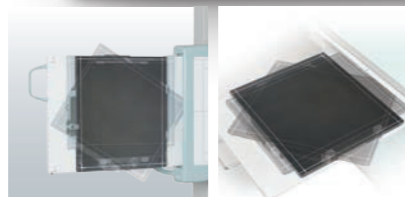
Camera Application **OPTION**



Bucky Stand

BR-120/ BR-120T

- Supports Vertical tracking and Auto collimation **OPTION**
- Supports Long View Radiography Function **OPTION**
- Grid is removable
- Equipped with a tilting Bucky unit (BR-120T)



FPD Rotation Tray **OPTION**

The FPD tray can be rotated 90 degree to change the orientation of FPD.

Bucky Table

BK-200

- Table elevation tracking function when combined with X-ray tube support CH-200 **OPTION**
- Supports Long View Radiography Function **OPTION**
- Maximum allowable load : 295kg
- Distance between tabletop and floor : 535 ~ 850mm
- Flat CFRP-tabletop **OPTION**
- Grid is removable
- Bucky tracking device **OPTION**

Vision for Patient Care



Patient Care in Physical Form



Rubber Cushioning for Extra Safety

The bottom of the X-ray tube support and the perimeter of the collimator radiation port are covered with soft rubber cushioning material. That tenderly protects patients by reducing their risk of injury from unexpectedly sitting up after exposures have been taken in the supine position and hitting their head on the instrument.



Collimator Achieves Lower Exposure Levels

An automatic filter function is included that automatically switches the filter coupled with the collimator when the APR mode is selected based on the exposure area. Four filter modes can be preset (0.1, 0.2, or 0.3 mm thick copper or no filter).



Check Patient Information in the Examination Room **OPTION**

Patient information can be displayed on the X-ray tube support. This ensures patients can be smoothly identified in the examination room.

FDR D-EVO III

Glass-free premium digital radiography detectors



The world's first Glass-FREE and lightest DR detector with Fujifilm's patented ISS capture technology and antibacterial coating. High durability and enhanced IQ for busy caseloads, teaching institutions and mobiles.

Product highlights

- 25-40% lighter than previous models.
- Glass-free design and magnesium alloy casing provides lightweight and added durability to withstand up to 683 lbs. patient weight.
- ISS capture circuitry produces 20-60% higher detail at lower dose compared to conventional designs.
- Fujifilm's exclusive Hydro AG antibacterial coating assists infection controls to help prevent HAIs.
- Smoother, sleeker, sealed design with tapered edges simplifies wipe downs, positioning and patient comfort.
- Secure, fast, easy wireless image acquisition.

FDR D-EVO III G80i

Ultra-lightweight, wireless long-length digital radiography detector



Full length views in a single, instant exposure and one seamless image.

- No stitching alignment or motion retakes
- Faster acquisition of long-view images
- Fewer exposures, lower patient dose
- Light, safe cord-free portability
- Upright weight-bearing, supine, trauma and pre-, post- & intra- operative surgical imaging
- Speed procedures, enhance accuracy, patient safety and comfort

Product Highlights

World's lightest long length DR detector with patented ISS & antibacterial coating. Ultra-light positioning and cord-free design makes it easy to move from room to room. Gentle dose and brilliant images you expect from Fujifilm.

Fluid protection: smooth, sealed design protects circuitry from body fluids and disinfection wipe downs.

Antibacterial coating: Fujifilm's proprietary Hydro Ag antibacterial coating effectively prevents 99.99%* bacterial growth on the detector's surfaces, enhancing infection controls and helping prevent HAIs.

* based on residual bacteria counts



FDR D-EVO GL

Allows long-view radiography of the entire lower limb or vertebral column with a single exposure.

- A single exposure is performed within a timeframe of milliseconds; significantly reducing the risk of patient movement compared to a traditional DR multi-shot acquisition over a period of several seconds.
- FDR D-EVO GL is approximately the size of three conventional 43.2 ~ 43.2 cm [17 ~ 17 inch] DR detectors, with a wide field of view to accommodate all patient sizes without compromising the length of the acquisition.

Advanced image processing

*These image processing is achieved with Console Advance.

Virtual Grid

Provides a high quality image without using a grid

Virtual Grid processing corrects for the effects of scatter radiation. Without the need for a grid, Virtual Grid retains high contrast and image sharpness, while preventing the asymmetric density resulting from misalignment of X-ray tube and detector. (Option)



No Grid Virtual Grid Real Grid

Multiple body parts supported



Abdomen Cervical Spine Thoracic Spine Lumber Spine

3D structure analysis technology to support mobile exam

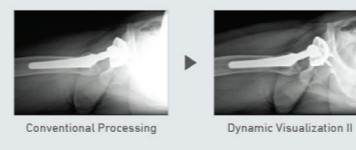
Dynamic Visualization II

Optimizes image quality using latest Exposure Data Recognizer

Advanced recognition algorithms automatically adjust contrast and density for individual body parts based on calculation of estimated 3D image data. (Option)



Conventional Processing Dynamic Visualization II



Conventional Processing Dynamic Visualization II