

RADspeed Pro

SR5 Version combined with DR system



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.

Scan me, >



Vision for Patient Concentration

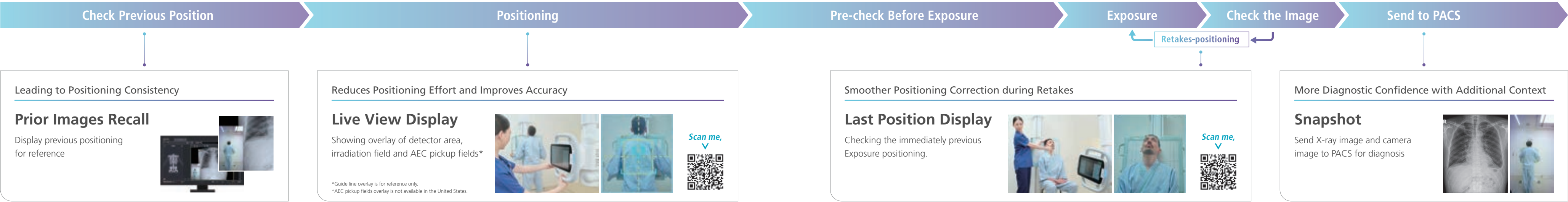
Optical Camera Application Creates an Environment Where Medical Personnel can Focus on Patients OPTION



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.



Vision for Easy Operation



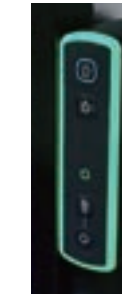
Innovations that Improve Operability

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

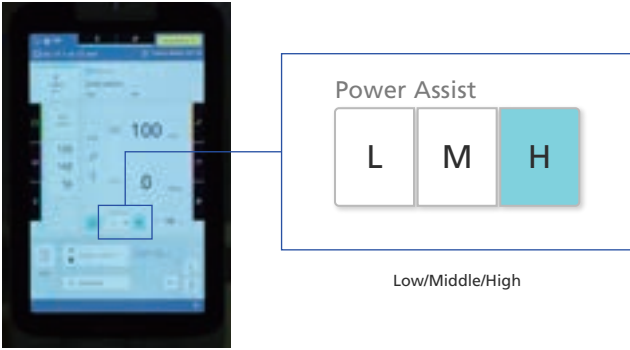
Superb operability
Power Assist Function OPTION

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.



Change Assist Levels with One Touch

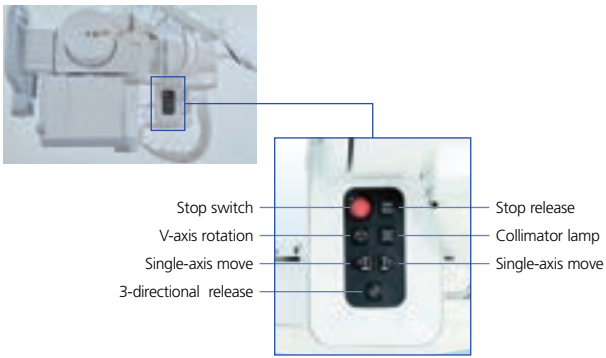
Large movements can be made quickly with lighter force, and precision movements can be made for detailed positioning.



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.*

*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.

Scan me, >
Setting



Scan me, >
Speed Stitch



Wireless Exposure Switch OPTION

A Bluetooth wireless hand switch enables freely acquiring images from any position in the control room.*

*Availability of the option depends on the regional regulation. Please contact your sales representative regarding the availability.



Ready up



Exposure



600 kHU 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.

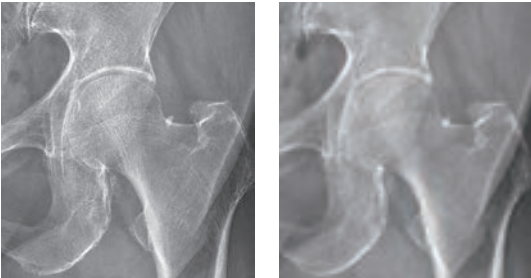


Vision for **New Clinical Value**

Combination with DR system Capability Offers New Clinical Value

Smart Noise Reduction **OPTION**

Smart Noise Reduction helps to reduce radiation dose while maintaining image quality. This software provides versatility for various examinations and user-friendly operation.



Conventional Noise Reduction Smart Noise Reduction

Left : Conventional Noise Reduction
w/ standard dose(100%)
75kVp, 20mAs

Right : Smart Noise Reduction
w/ reduced dose(50%)
75kVp, 10mAs

Smart Bone
Suppression **OPTION**

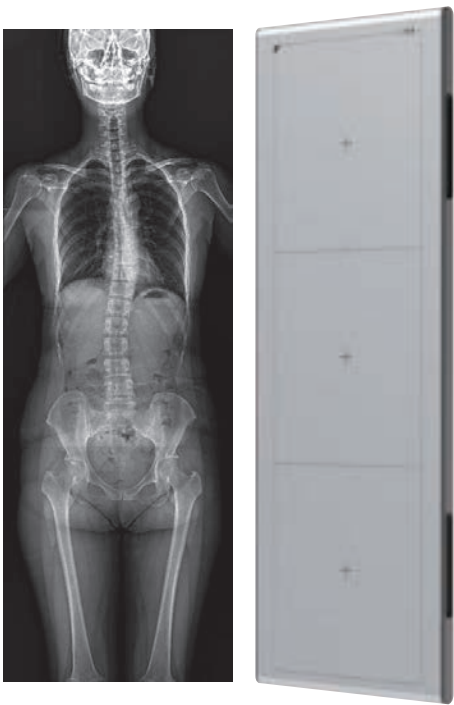
Achieve diagnostic precision effortlessly with Bone Suppression—a solution that swiftly unveils soft tissues by suppressing ribs and clavicles within the lung field. This feature delivers a clear, suppressed image, prioritizing patient care by acquiring images without additional exposure.



Left: Original Image Right: Bone Suppressed Image

One Shot Scoliosis Imaging **OPTION**

The 17 x 51 inches long format FPD makes it possible to perform scoliosis examinations with a single exposure therefore minimize the effect of motion artifact. Quick and accurate long view imaging can meet the needs of examinations for scoliosis patients.



17 x 51 inch Long View One Shot FPD

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).



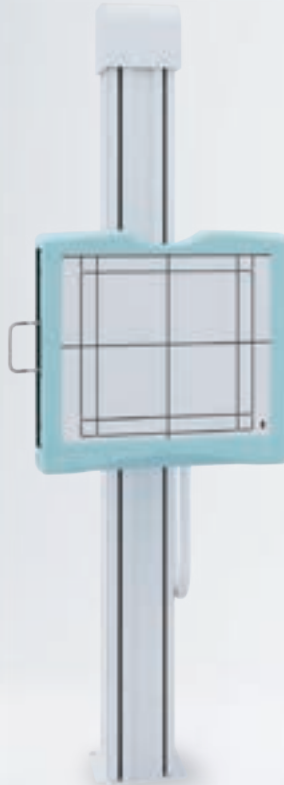
Check Patient Information
in the Examination Room **OPTION**

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

System

X-Ray Tube Support
CH-200

- Vertical travel: 1600 mm
- Longitudinal travel: 2950 mm (with a 4 m fixed rail)
- Transverse travel: 1400 mm (with a 2 m 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



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)

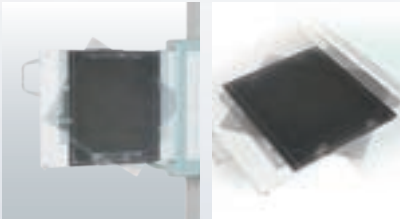


Camera Application OPTION



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: 295 kg
- Distance between tabletop and floor: 535 ~ 850 mm
- Flat CFRP-tabletop OPTION
- Grid is removable
- Bucky tracking device OPTION



FPD Rotation Tray OPTION

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

Tractable Cable Management System OPTION



RC-300

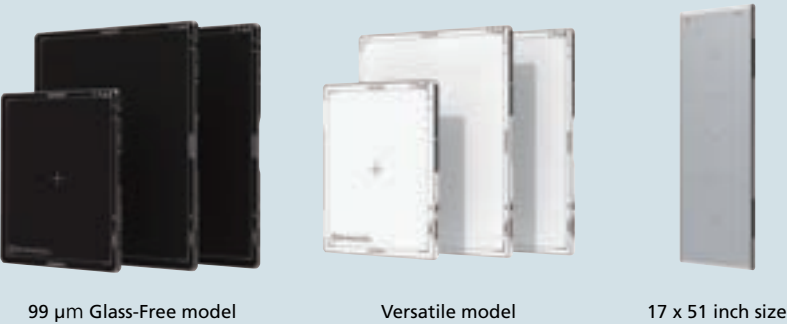
- Auto Collimator
- Auto filter
- (None / Cu 0.1 mm / 0.2 mm / 0.3 mm)



X-Ray High-Voltage Generator
80 kW / 65 kW / 50 kW

- Newly designed touch screen display
- Multi-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

DR System (recommended FPD)



Model	99 µm Glass-Free model			Versatile model			Long-format model
Size	10 x 12 inch	14 x 17 inch	17 x 17 inch	10 x 12 inch	14 x 17 inch	17 x 17 inch	17 x 51 inch
Pixel pitch	99 µm	99 µm	99 µm	124 µm	140 µm	140 µm	140 µm
Weight	1.7 kg*1	2.4 kg*1	2.95 kg*1	1.95 kg*1	2.95 kg*1	3.45 kg*1	19.7 kg*1
Dustproof/Waterproof	IP67						-

*The lineup of FPDs that can be combined is information as of April 2024.
Please contact your sales representative for details.
*1 Single Battery pack is included.

Label Description: RADspeed Pro

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



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Management
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ISO 9001:2015
ISO 13485:2016

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