SHIMADZU
Excellence in Science

C501-E064A

RADspeed Pro

SR5 Version with CXDI

Empowering Your Vision

RADspeed Pro™

SR5 Version with CXDI

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.

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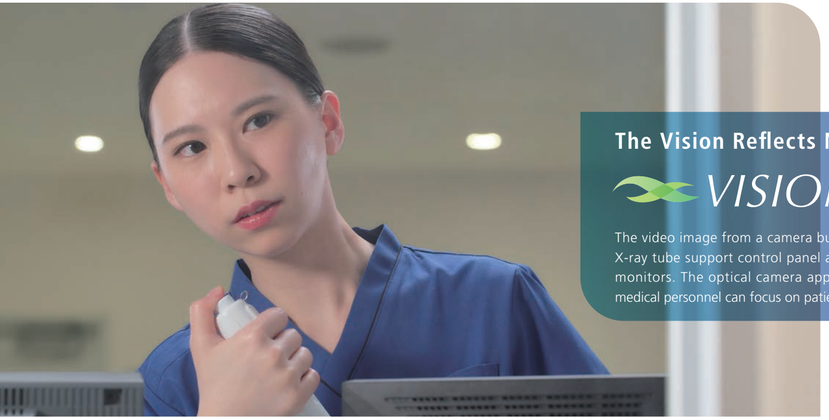
Vision for Patient Concentration

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.

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

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

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

Better Workflow and Personalized Dose Management by Fine-tuning the Collimation

Remote Collimation

Collimation adjustment from the control room via live view on the generator console with a remote controller will improve workflow and personalized dose management.*

*Auto-Positioning Feature(option) is required

Smoother Positioning Correction during Repeated Exposures

Last Position Display

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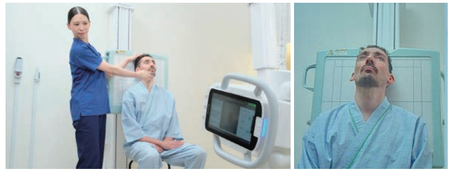


By checking the immediately previous exposure positioning, positioning can be achieved more smoothly when repeating exposures.

Vision for Easy Operation

Innovations that Improve Operability

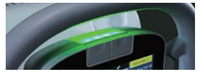
Healthcare requires multiple complex tasks. To support this hectic work, it is essential to achieve an examination environment that contributes to diagnosing patients, while also ensuring simple and intuitive operability. Shimadzu offers systems optimized for usability.

Illumination Improves Visibility

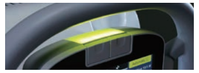
Illumination of the X-ray high-voltage generator and ceiling-mounted X-ray tube support enables better understanding of the instrument status. In addition, the hand switch illuminates to indicate the system is ready for the next exposure.

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

POWER GLIDE function

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.

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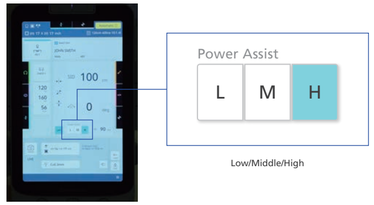
Change Assist Levels with One Touch

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

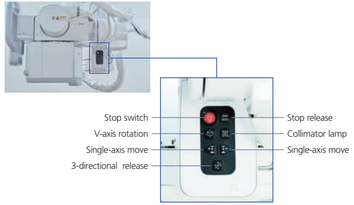


Low/Middle/High

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.

Scan me, >

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

Camera Assist OPTION

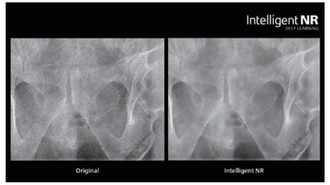
During patient positioning, the DR system displays the video image and analyzes it to compare with the selected protocol, thus reducing positioning errors.*1

Scan me, >

*1 Only available for systems configured with CXDI-NE. Please contact your sales representative regarding the availability.
Available when VISION SUPPORT is selected.

Intelligent NR OPTION

Intelligent NR is an advanced image processing technology that delivers superb image quality for an optimal diagnostic environment. Utilizing deep learning technology, the DR system brings conventional noise reduction to the next level and provides high quality image at low dose rates.*2



*2 Please contact your sales representative regarding the availability.
"Intelligent NR" uses AI technology in the design stage of noise reduction processing, and this system itself does not have a self-learning function.

Built-in AEC Assistance OPTION

The FPD is equipped with Automatic Exposure Control (AEC) assistance to support dose reduction during examinations that require free positioning, such as for patients brought in on a bed. *3

*3 Only available for systems configured with CXDI-Elite. Please contact your sales representative regarding the availability.
This function is supported only for use outside Bucky table and Bucky stand.

Vision for Patient Care

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.

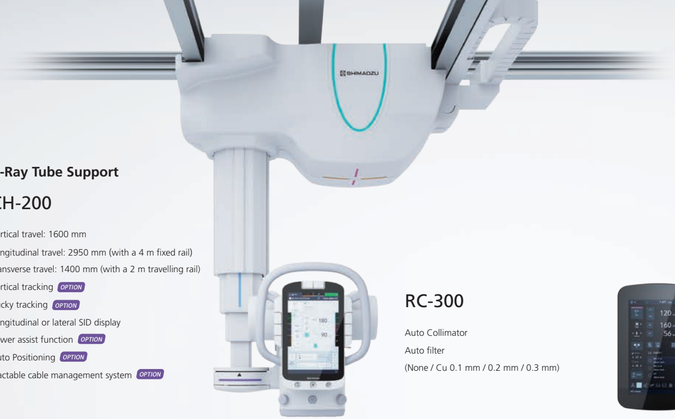
Collimator Achieves Lower Exposure Levels

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

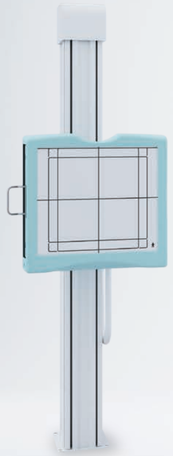


X-Ray Tube Support

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

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

Camera Application OPTION

Bucky Table

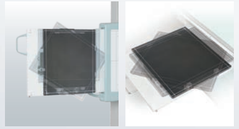
BK-200

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

Bucky Stand

BR-120/ BR-120T

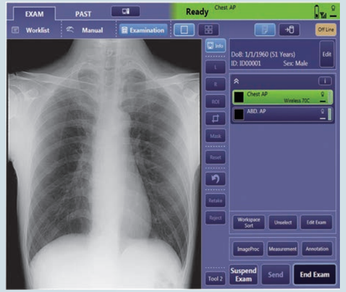
Supports Vertical tracking and Auto collimation OPTION
Supports Long View Radiography Function OPTION
Grid is removable
Equipped with a tilting Bucky unit (BR-120T)



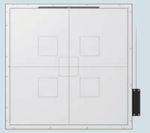
FPD Rotation Tray OPTION

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

DR System (CXDI series: recommended FPD)



CXDI-420C
CXDI-720C
Wireless



CXDI-420C
fixed

CXDI-403C
CXDI-703C
Wireless

Model	CXDI-420C Wireless	CXDI-720C Wireless	CXDI-420C fixed	CXDI-403C Wireless	CXDI-703C Wireless
Size	17 x 17 inch	14 x 17 inch	17 x 17 inch	17 x 17 inch	14 x 17 inch
Scintillator	CsI				
Pixel pitch	125 µm			140 µm	140 µm
Weight	2.7 kg	2.3 kg	–	3.5 kg	2.9 kg
Dustproof/Waterproof	IP57-rated	IP57-rated	–	IP55-rated	IP55-rated

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

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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