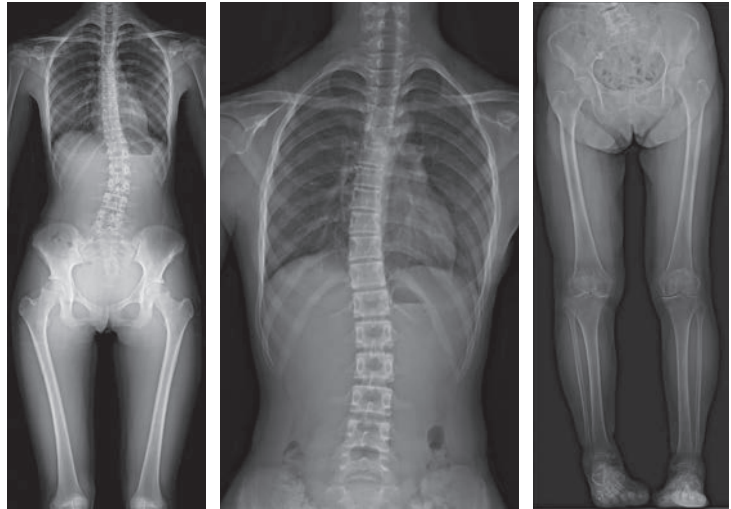
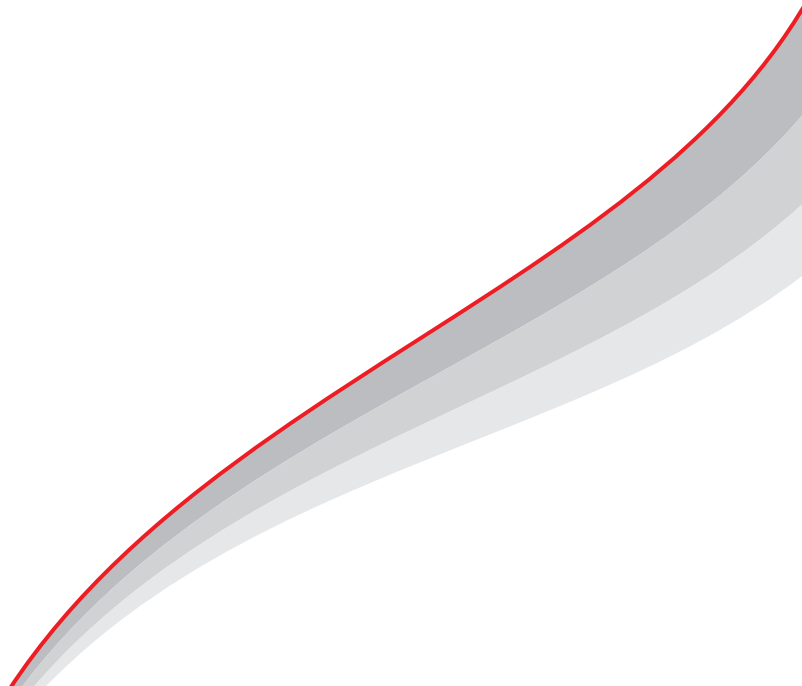


SLOT Advance

Suitable Technology for Long View Images with Maximum Accuracy

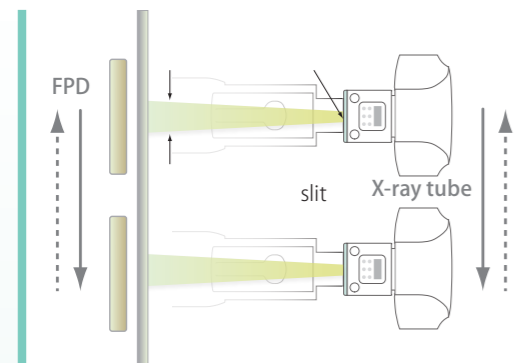


Application Option
for
SONIALVISION G4

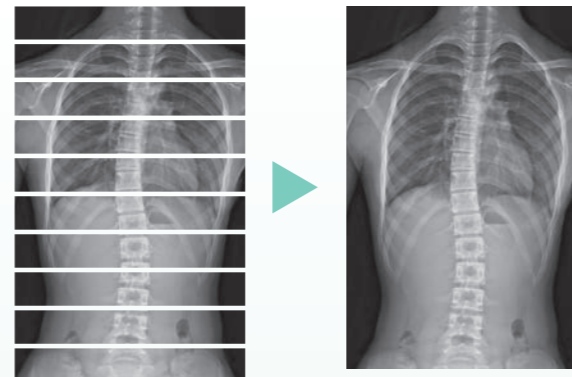


SLOT Advance

SLOT Advance provides images with long fields of view, for full spine or full leg images, just by a very simple workflow, while also offering high accuracy images with minimal X-ray dose.



SLOT Advance acquires a series of only accurate images of a few centimeters central slit successively as the imaging chain moves along the patient.



The system automatically integrates all slot images into one complete long image rapidly.

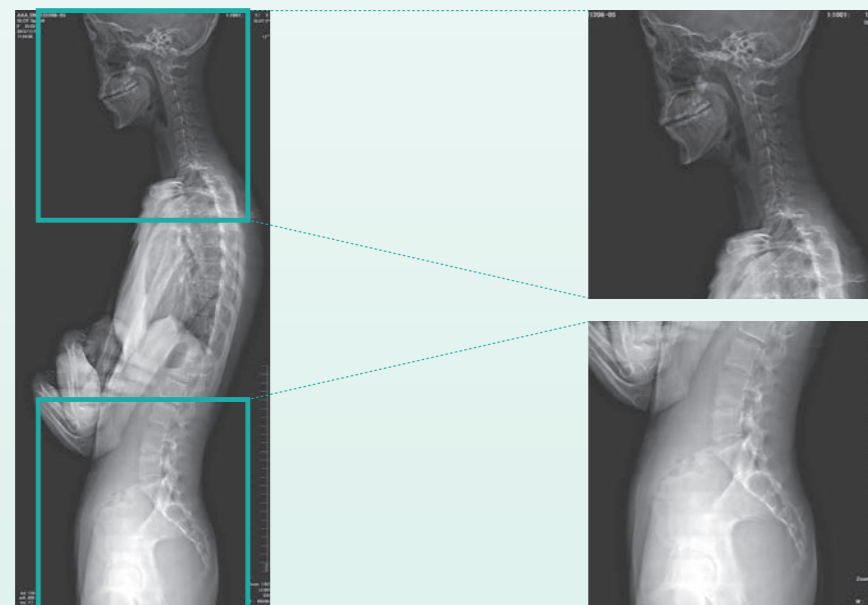
High image quality with minimal dose

Due to the SONIALVISION G4's super-high resolution FPD and Shimadzu's advanced imaging technology that improves contrast resolution, the SLOT Advance simultaneously achieves both high image quality as well as low dose to the patients.

Also, the SLOT Advance provides homogeneously excellent image quality to the whole range, from the thick region (hip etc.) to the thin body part.

Providing super high accuracy measurements

SLOT Advance collimates the X-ray beam, so that it only exposes a narrow central slit field without distortion caused by oblique rays. These central slit images are captured using the SONIALVISION's super-high resolution Flat Panel Detector (FPD) by moving it in parallel with the X-ray tube. These successive images are then automatically reconstructed to create one long image in SONIALVISION G4's digital imaging unit (DR-300). Therefore, this enables very high accuracy measurements without distortion, even with a very simple workflow.



Significant reduction of examination time

Simply set the starting and ending positions, then start the exposure, That's all it takes to obtain proper long view images using our Slot Radiography.

All the post-processing required to connect, adjust, and display the images on the monitor is done automatically immediately after exposure.

SLOT Advance by SONIALVISION system eliminates the time-consuming steps of setting up the cassette and making adjustments, not to mention moving the patient between standing and horizontal positions, which are all required by conventional CR long-length imaging.

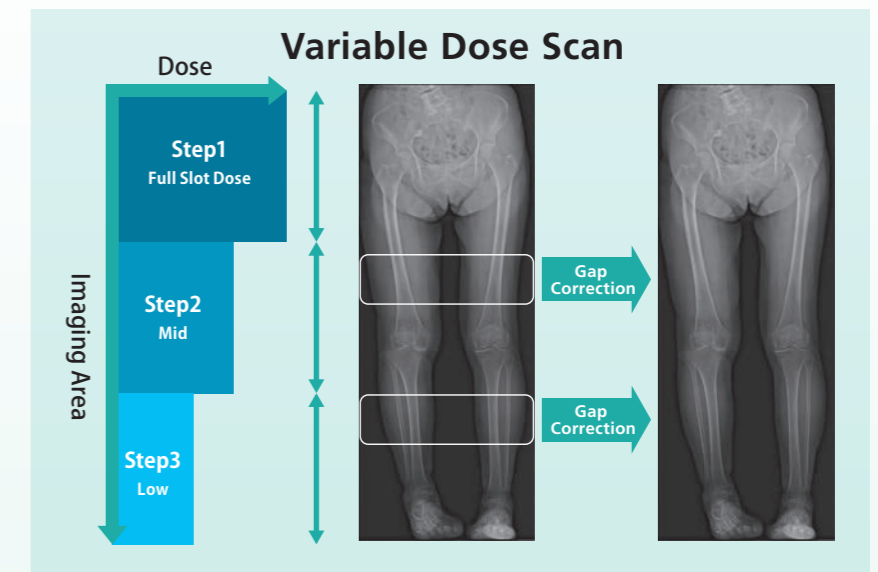
Real-Time Stitching

During imaging, long-view images are displayed on the monitor in real time so that imaging progress can be observed.

If a patient moves during imaging, for example, the exposure can be immediately stopped to minimize unnecessary radiation exposure.

Low-Dose Slot radiography

Radiation exposure levels are reduced by automatically controlling the X-ray exposure dose to levels appropriate for the specific patient thickness.



Extensive Selection of Dedicated Accessories

Obtaining valuable images begins with proper positioning. Dedicated accessories designed specifically for slot radiography are available to support imaging operations.

Hand grip for lateral imaging OPTION

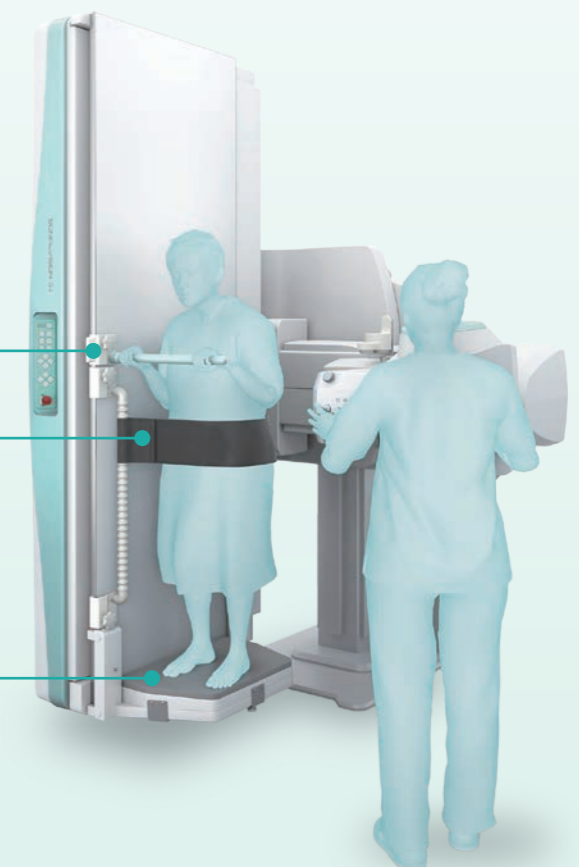
This grip helps ensure proper positioning by preventing body twisting.

Fixed belt OPTION

Belt used to hold the patient in place. It fastens to a standard hand grip.

Peripheral exposure foot stool OPTION

The stand surface is leveled with low-absorption material for capturing images down to the bottom of the feet. For lateral imaging, it helps ensure proper positioning by preventing pelvic asymmetry.



Label Description: X-RAY TV SYSTEM SONIALVISION G4

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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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- 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.
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