

1.1 Applications

SONIALVISION G4 is a multi-purpose X-ray RF system that can meet a wide range of requirements for individual clinics.

The main applications are as follows:

- Fluoroscopy diagnosis
- Gastrointestinal series
- Angiography
- Vascular/Non-vascular IVR
- General radiography

Do NOT use this system in angiography or IVR intended for cerebrovascular and cardiovascular applications.

1.2 Features

- A large-field 17-inch FPD and digital image processing enable you to acquire high quality diagnostic images.
- The equipment employs a high-frequency inverter system with maximum frequency of 50 kHz for high-voltage generation and ensures high efficiency by low-ripple output.
- The X-ray diagnostic table holds a wide examination area and allows radiography from head to foot without the need to move the patient.
- The tabletop can be raised or lowered in the height range from 47 cm to 110 cm to help the patient get on or off and allow the operator to take an unforced pose according to required examinations.
- The operator can assist the patient while operating the X-ray diagnostic table on its front control panel.
- The control panel is equipped with a 10.4-inch LCD touch panel, where the operator can view the patient information or change the fluoroscopy or radiography condition. The screen layout or display options can be switched as appropriate according to the purpose of examination. Customizable hard switches help you access to the frequently used functions with a single touch of a button.
- Low-dose exposure and high image quality are achieved at the same time by incorporating automatic selection of BH-filter (X-ray filter), wave-tail cut-off mechanism for pulsed fluoroscopy, detachable anti-scatter grid, virtual collimation, and single-mask collimator (option).
- A series of radiography conditions for examination can be registered in a program to repeat the same series of radiography.
- Image data can be stored for a prolonged period by saving it on DVD-R or CD-R disks in DICOM format.
- The equipment supports DICOM3.0 and allows smooth connection to a hospital network. DICOM Print, Media Storage, DICOM Storage, and MWM/MPPS (option) are also supported.