

General Catalogue

All descriptions in this brochure confirm to the Pharmaceutical Affairs Law in Japan as well as other laws and regulations in Japan. Model names, specifications and configurations of products in overseas market outside Japan may be different by the countries. For inquiries, please contact us.

This Brochure is made based on as of our WEB 2012/05/31.

Digital R/F System with FPD

CUREVISTA

OFF-set open type
multi-purpose R/F system

- The system adopts table-shift mechanism (off set) for securing clearance in the upper end of the tabletop.
- The off set arm which has X-ray tube support attached off set realizes a wide working space beside examiner.
- X-ray tube support arm and imaging system can be moved toward 2 directions: longitudinal and lateral. In addition, a wide stroke of longitudinal movement is realized.
- New generation image processing system “FAiCE-V” provides the optimum easy-to-see images always in real time.



CUREVISTA
Digital X-ray Radiographic/Fluoroscopic Table System

EXAVISTA

Multi-purpose R/F system

It employs a table with improved accessibility that can be lowered when the patient gets on and off, and enables an examination at a height that matches each operator. Thanks to the wide stroke of the imaging system, longitudinal movement of the table is unnecessary. It is an FPD system that shows off its true value on a wide variety of clinical fronts. In addition to the conventional EXAVISTA (4030/3030), this version has a large field-of-view FPD (17-inch) to extend the advantages of the FPD, and can accommodate to a wider range of clinical applications.



EXAVISTA
Digital X-ray Radiographic/Fluoroscopic Table System

VersiFlex VISTA

Multi-purpose R/F table system

The system provides exact images in diverse clinical scenes together with the equipped large field-of-view FPD (4030), in combination with the C-arm excellent in functionality and the VISTA Desk adopting the latest Hitachi technologies.

In addition, the wide working space around the examination table and the fully satisfying functions support multi-purpose examinations.

This is a multipurpose examination system in pursuit of a new operability to address a wide spectrum of needs.



VersiFlex VISTA
Multi-purpose Radiographic/Fluoroscopic Table System

Radiography and Fluoroscopy System

POPULUS Ti

Flexible mobility that can accommodate various types examinations and the wide stroke mechanism of the imaging unit and table enables wide-range fluoroscopy and radiography. Furthermore, HITACHI's advanced image processing technology that supports accurate diagnosis is incorporated as standard. It can also accommodate wide-ranging requirements such as the construction of fully-digitized environment used for uniform management of image data and data of large capacity.



POPULUS Ti

POPULUS So

A compact system with simple operability that can accommodate a wide range of radiography is equipped with advanced image processing technologies for accurate diagnosis. A fully digitized environment can also be constructed for uniform management of large capacity of image data.

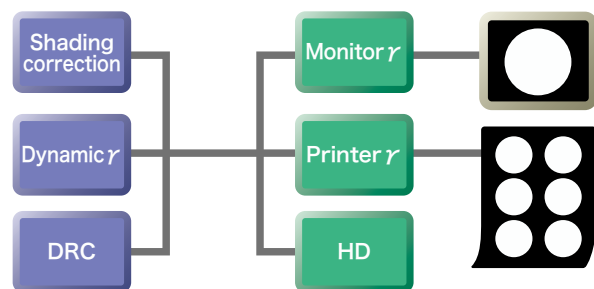


POPULUS So

FAiCE

Full Automatic Image Control Engine

FAiCE, an image processing technology presented proudly by HITACHI corrects image in real time to make them suitable for diagnosis.



Digital General Radiography System with FPD

Radnext α typeVH

Digital General radiography system with FPD

General radiography systems require an extremely wide dynamic range in order to correspond to various body areas to be imaged. Hitachi has adopted FPD of high DQE (Detective Quantum Efficiency) developed for general radiography to provide high image quality with advanced image optimization technique as well as to renew the workflow.



Radnext α — type VH —

Radnext50 with DXR-3000F

This is a general radiography FPD system that combines general radiography system, Radnext 50 and DXR-3000F, image processor for FPD. Radnext 50 is combined with the one-hand controller created from a completely new concept, which enables one-hand operations, and is available in combination with a newly-developed ceiling travelling unit exceeding the conventional concept. DXR-3000F realizes an all-in-one console, which greatly improves workflow, and high image quality. This is a general radiography system that provides higher image quality, operability and workflow.



Radnext PLUS is a nickname given to the system in which Radnext50 and DXR-3000F are combined.

General Radiography System

Radnext 80

Radnext80 is a general radiography system combined with an 80kW high-performance inverter type X-ray high-voltage generator.

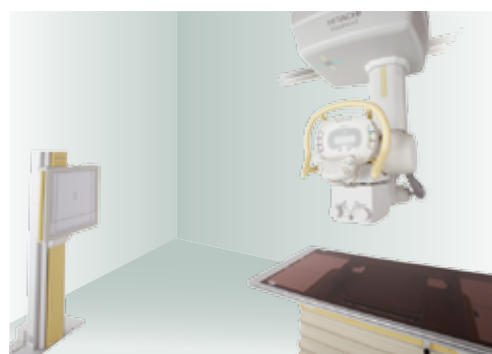
In order to accommodate a variety of needs in general radiography, a versatile product lineup from a high-performance ceiling-travelling type X-ray tube support to a simple and easy-to-use floor-mounted tube support is made available.



*The LCD display is optional.

Radnext 50

Radnext50 combined with a 50kW X-ray high-voltage generator is available in a versatile lineup such as the Smart Set combined with a ceiling-travelling type tube support equipped with a one-hand controller allowing one-hand operation, the Compact Set combined with a simple ceiling-travelling type tube support, and the Universal Set allowing multi-purpose use with only a single system. It allows for a choice in accordance with the purpose of use and the environment.



The picture shows an example of the Smart Set.

Radnext 32

- A general radiography system combining a high performance 32kW inverter type high voltage generator.
- A variety of combination lineup is available to cope with diversified needs in general radiography.
- A fully digital display allows registration of 36 types of combined radiographic parameters frequently used. Registered program can be read out with one touch.



The picture shows an example of the Standard Set.

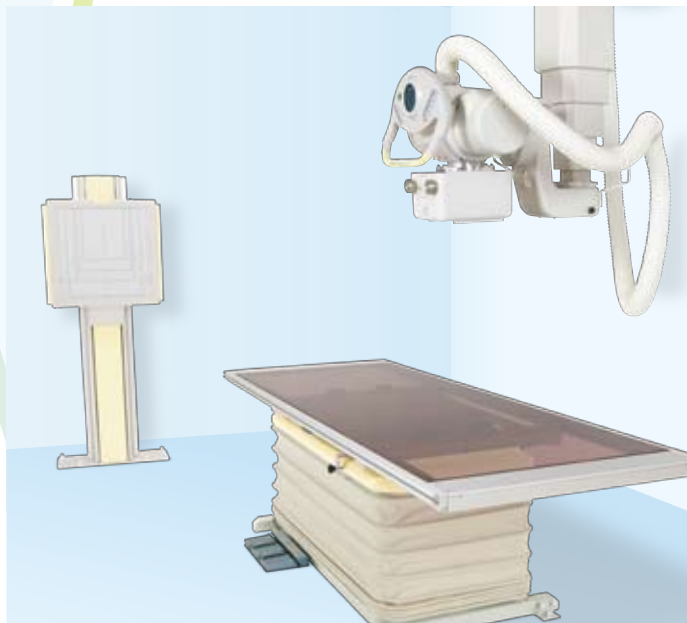
Specifications

	Radnext 80	Radnext 50	Radnext 32
Nominal max. power	80kW	50kW	32kW
Short-time rating	80kV • 1000mA / 100kV • 800mA / 150kV • 500mA	80kV • 630mA / 100kV • 500mA / 150kV • 320mA	63kV • 500mA / 80kV • 400mA / 100kV • 320mA / 150kV • 200mA
Technique selection	Max. 8 types		Maximum 6 types
Tube voltage / Tube current	40 ~ 150kV (1kV step) / 10 ~ 1000mA (21 or 41 steps)	40 ~ 150kV (1kV step) / 10 ~ 800mA (20 or 39 steps)	40 ~ 150kV (1kV step)
Timer	1ms ~ 8s (79 steps)		2.5ms ~ 5s (67 steps)
Anatomical program	120 types for each technique (Max. 960 types)		36 types (108 types in total)
Sequence program	Max. 120 types × max. 12 stages		-
Number of connectable X-ray tubes	up to two tubes (option)		

General Radiography System

Various combinations of features such as easy use, safety, cost versus performance, etc. are available to choose from. Combinations of different units will help realizing a better examination environment.

Standard set



Popular set



Compact set



The above system is an example of system for Radnext 80 • Radnext50 configuration partially including options and combinable equipment.

Electromagnet off-lock switch (Option)

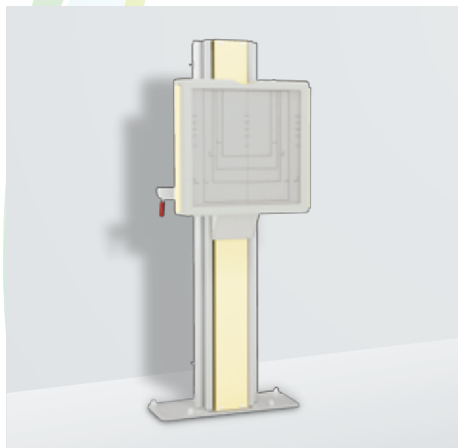
By incorporating electromagnet off-lock mechanism, accurate and rapid operation can be made by switch operation.



General Radiography System

Vertical bucky stand

AS-MK1



- With Bucky device
- Bucky device vertical stroke: 112cm
- Cassette size: up to 14"x17"

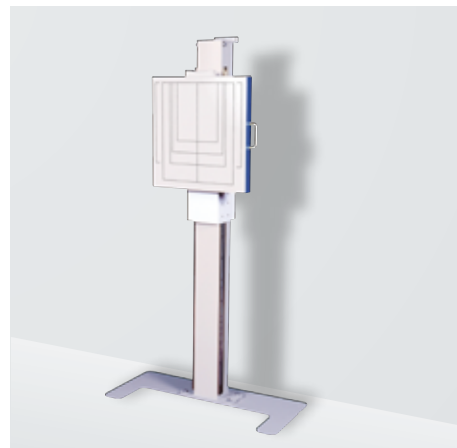
VB-57



(OBAYASHI MFG. CO.,LTD.)

- With Bucky device
- Bucky device vertical stroke: 73.9cm ~ 194.3cm (from the floor level to the upper surface of the jaw rest)
- Cassette size: Up to 14"x17"

YVB-30M

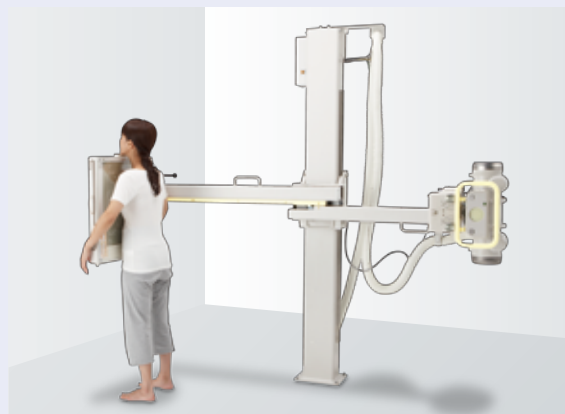


(Yoshida Denzai Kogyo CO.,Ltd.)

- With Bucky device
- Bucky device vertical stroke: 110cm
- Cassette size: up to 14"x17"

Universal set

A single unit can accommodate an upright position and recumbent position. Easy positioning with an electromagnetic lock function



General Radiography System

Bucky table

AS-MD1



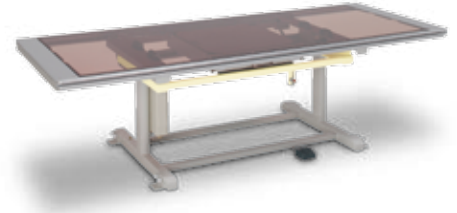
- Transparent acrylic table top.
- Tabletop slide: 100cm longitudinal, 15cm lateral.
- Table top up-down movement: 35cm ~ 90cm from the floor level
- Bucky device travel stroke: 20cm
- Cassette size: up to 14"x17"

AS-MD3



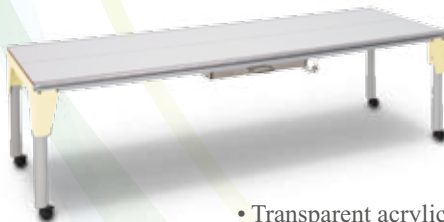
- Transparent acrylic table top.
- Tabletop slide: 100cm longitudinal, 15cm lateral.
- Table top up-down movement: 45cm ~ 90cm from the floor level
- Bucky device travel stroke: 20cm
- Cassette size: up to 14"x17"
- Table-Weight capacity: 230kg

AS-MB1



- Transparent acrylic table top.
- Tabletop slide: 86cm longitudinal, 15cm lateral.
- Bucky device travel stroke: 36cm
- Cassette size: up to 14"x17"

AS-MA1



- Transparent acrylic table top.
- Bucky device travel stroke: 125cm
- Cassette size: up to 14"x17"

SUD-100A



- Transparent acrylic tabletop
- Tabletop slide: 98cm longitudinal, 28cm transversal
- Tabletop up-down movement: 37cm ~ 90cm from the floor level
- Bucky device travel stroke: 14cm
- Cassette size: Up to 14"x17"

(OBAYASHI MFG. CO.,LTD.)

Compact General Radiography System

CLINIX II

Compact General Radiography System

- A general radiography system combining a tube support and an X-ray examination table into a single unit by compact design.
- It incorporates high performance 20kW inverter type generator for outputting max. tube voltage of 150kV.



*Vertical bucky stand is optional.

CLINIX II

General Radiography System

X-Ray tube support

SX-YA2/SX-YB2
(Ceiling suspended type)

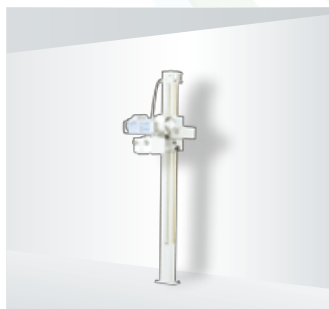


SX-A8
(Ceiling suspended type)

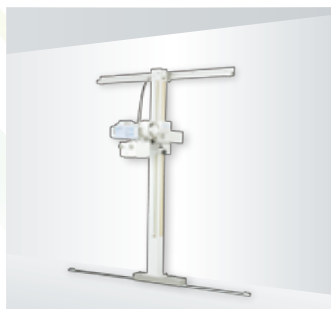


Specifications	SX-YA2	SX-YB2	SX-A8
Vertical stroke	1500mm	1100mm	1500mm
Longitudinal move stroke	2020mm	2020mm	2860mm
Lateral move stroke	1100mm	1100mm	1250mm
Rotation of X-ray tube assembly / Swiveling of support arm	±180°	±180°	±180° / Click at every 45°
Rotation of X-ray tube assembly / Swiveling of support pillar	±180° / Screw type lock	±180° / Screw type lock	±180° / Click stop at every 90°
Lock system	Electromagnetic lock	Electromagnetic lock	Electromagnetic lock

FS-20A
(Floor mounted)



FS-20B
(Wall-floor mounted rail)



FS-20C
(Ceiling floor mounted rail)



FS-20D
(Floor mounted double rail)



Specifications		FS-20A	FS-20B	FS-20C	FS-20D
Type		floor mounted	Wall - floor mounted rail	Ceiling - floor mounted rail	Floor mounted double rail
Overall height of support column		2150mm	2230mm	2230mm	2180mm
X-ray tube vertical stroke			1200mm		
X-ray tube lateral stroke		-	1500mm		
X-ray tube back and forth (arm) stroke		250mm			
Locking system		Manual lock			
Option	Electromagnetic-off-lock	(Vertical, back and forth)	(Vertical, lateral, back and forth)	(Vertical, lateral, back and forth)	(Vertical, lateral, back and forth)
	Auto-tracking function (Height direction only)				

Surgical Mobile C-Arm System

DHF-105CX / DHF-105CX-PC

Standard C-arm System

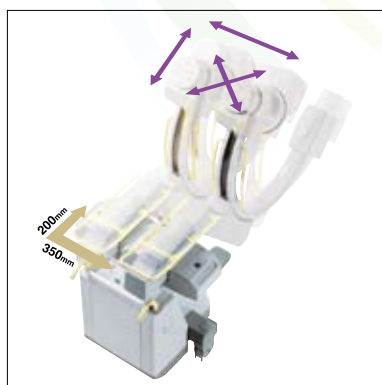
- Mobile C-arm X-ray system with inverter type generator
- A 7 inch or a 9 inch image intensifier is selectable.
- Recursive filter for high quality images
- High capacity X-ray tube with dual focal spots
- Last-image hold function
- 8 channel image memory function
- Fluoroscopic images with automatic brightness control system

Advanced C-arm System with Floating Mechanism

- In case of treatment of fractured long bones such as an arm, the lateral movement of C-arm with floating mechanism facilitates increased observation area.
- Hitachi's unique Floating C-arm which slides freely in any direction corresponds to all surgical techniques.



DHF-105CX



DHF-105CX-PC

Sirius Floating/C

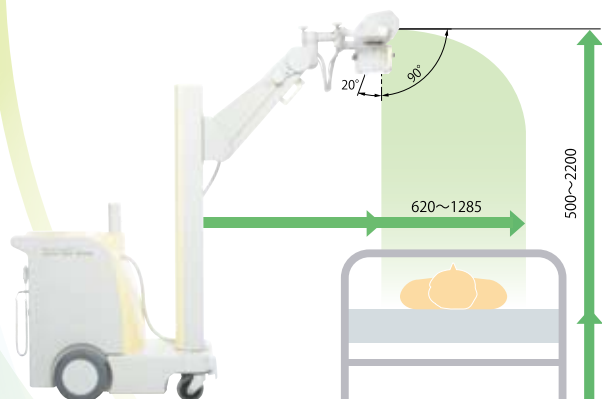
X-Ray System

Mobile X-Ray System

Sirius 130HP Pantographic Arm

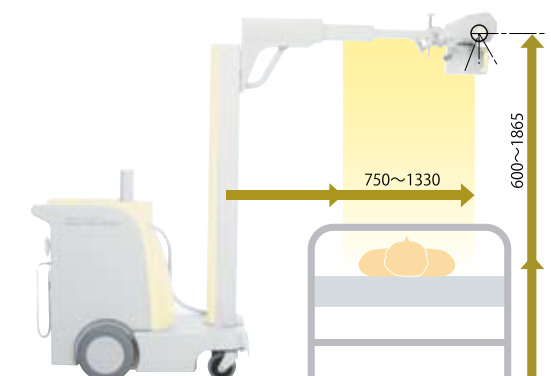
Pantographic arm that can make a radiographic distance longer.

The lightly operable compact pantographic arm has a long arm that can lead the X-ray tube head higher and farther. The head can be positioned up to a longer distance, thereby a longer distance from the X-ray tube focal spot can be set to assure high quality chest image.



Sirius 130HT Telescopic Arm

- Sirius 130HT with telescopic arm is available.
- Positioning operation is easy and simple.
- The max. radiographic distance is 1.865mm from the floor level.



Sirius Star Mobile

MR Imaging System

ECHELON OVAL

The **New Shape** of MR

ECHELON OVAL is designed around the shape of the human body, allowing for an optimal patient experience with outstanding comfort, space, and efficiency.

The game-changing 74cm oval bore is wider 1.5T MR than ever.

Enhanced patient accessibility combined with Hitachi's Workflow Integrated Technology(WIT), advanced imaging capabilities, and UltraPlus Customer Support, makes ECHELON OVAL an ideal solution for improved workflow, greater diagnostic confidence, and increased cost-efficiencies.

ECHELON OVAL, the innovation that's changing the shape of MR.



Start

Patient/Scan Info
• WIT Monitor



Patient Introduction
• WIT Mobile Table

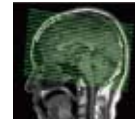


Patient Positioning
• WIT Mobile Table
• WIT RF Coils
• WIT Monitor



Scanning

- Autopose
- WIT RF Coil
- Element Selection



Scan

OVAL
ECHELON

ECHELON

Promising MRI to meet your expectation

ECHELON further advances magnetic resonance scanning technologies by providing faster operation and clearer imaging, making diagnosis easy. In response to the needs of the medical community, ECHELON provides true practicality and ease of use.



ECHELON
1.5T High-Field MR

MR Imaging System

APERTO Lucent

This is the only Hitachi open MRI with a single pillar structure, which provides wider openness. It has a design that takes examinees into consideration. For Hitachi, the design is also an important specification for an MRI system. APERTO Lucent can be incorporated with measurement functions newly developed by Hitachi for the high magnetic field system, which widens the possibility of diagnostic imaging.

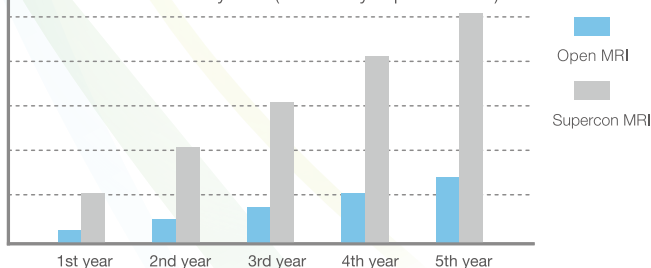


APERTO Lucent
Prime Open MRI

AIRIS Vento

An improved operability to make a wide variety of information available. High-precision images of a one step higher level. A friendly design with maximum comfort. This compact system has condensed “gentleness” of MRI with all functions such as operability, image quality, and comfort necessary for improved MRI. Another new value of the open MRI is created here.

Comparison: AIRIS Vento vs Supercon MRI
Cumulative cost for 5 years (Electricity/liquid helium)



AIRIS Vento

AIRIS Vento LT

Laterally Aligned Table

The laterally aligned table allows the AIRIS Vento LT to be compact.

The body region that is distant from the midline (shoulder, knee, etc.) can be set to the magnetic field center.

Open architecture gives not only a feeling of security, but it has considerable merits for taking care of small children and elderly patients and securing space for contrast medium injection.



AIRIS Vento LT

CT System

SCENARIA

SCENARIA is a 64ch/128slice CT that can scan not only the heart but also any regions of the whole body at the fastest, a 0.35 s/rot scanning. Intelli IP, which is the latest noise reduction technology making use of iterative approximation, reduces image noise generated in low dose scanning. Furthermore, the spatial resolution can be improved by using the Hitachi's advanced lateral slide table to position the scanning region such as the heart at the rotation center. Moreover, IntelliCenter is incorporated, which reduces exposure by approximately 1/3 outside the FOV of the heart by combining the small bow-tie filter.



64ch/128slice CT
SCENARIA

ECLOS

ECLOS is a multi-slice CT with the concept of “patient-friendly, custom-made, and easy operation”. The optimal x-ray tube, the number of channels (4, 8, or 16), the table, and network can be customized in accordance with the details of examinations or installation space of each facility.

■ Hyper Q-Net

By having one unit of Hyper Q-Net in the CT room, it can be used as a sub-console in which imaging and analysis are independent of each other. Furthermore, more than one Hyper Q-Net can be used as “doctor consoles”.

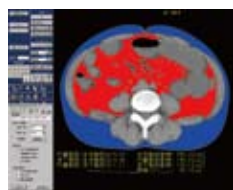
■ CT examination applications

Applications that widen the usage of CT examination images and increase its value are proposed.

- **riskPointer (LAA analysis software)**
Software that calculates the area of the low attenuation area (LAA) and %LAA from a lung field CT image.
- **fatPointer (Body fat analysis software)**
Software that calculates the areas of CT value that correspond to visceral fat and subcutaneous fat from an abdomen CT image



riskPointer



fatPointer



ECLOS

Optical Topography

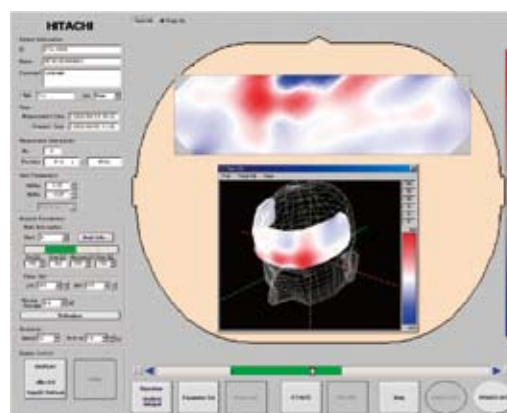
ETG-4000

Hitachi Optical Topography system measures and images dynamically the hemoglobin levels in the brain during functional activity using near-infrared spectroscopy (NIRS).



Measurement of this system is non-invasive, and relatively restraint-free and convenient for the patient being tested.

The system beams near-infrared light into patient's head, and pick up the reflected light penetrating through the cerebral cortex. It opens up a totally new way of assessing the brain.



3×11(52-channel) holder and 3D display function are optional.

- Simultaneous 24 or 48-channel measurements
- Clinic-conscious with three types of holders
Stable measurements are possible using a cap that fixes the holders.
- Operator-friendly
- Compact and mobile
- Improved S/N ratio with shortened wavelength
Use of 695 nm wavelength

Options

- 3D topographic image display system
- Interface for the video recording system
- 3×11(52-channel) holder
- Neonate/infant probe

Diagnostic Ultrasound System

ProSound F75

Offering excellent diagnosable images for a wide variety of clinical applications, the ProSound F75 is “FIT” for comfortable and efficient ultrasound examinations.

- Facilitate Workflow
The system allows you to adjust for the best positions of the monitor and operation panel for each examiner.
- Investment Return
Various ways to minimize costs have been devised in all 3 phases of introduction, during use and after use.
- True Diagnostics
The images with high diagnostic ability will lead to confident judgments



prosound F75

ProSound α7

The ProSound α7 is a ultrasound system that contradicts the thought that high-performance systems are large. It inherits the proven technologies and functions of our high-end product, yet offers outstanding mobility thanks to being the smallest size in its class. The system is easily transported to deliver high performance throughout the hospital.



prosound α7

ProSound α6

The ProSound α6 is the next generation compact color ultrasound system providing unprecedented performance in a variety of ultrasound applications. It inherits the proven technologies and functions of high-performance higher class models. The compact and lightweight system is easily transported and occupies only a small footprint. The ProSound α6 was presented the iF Product Design Award 2010.



prosound α6

Diagnostic Ultrasound System

F37

Thoroughly simple and compact. The F37 is full of functional and ergonomic features for simple operation. Imaging functions inherited from higher-class models support F37's excellent patient care. The equipped, enhanced, and evolutionary 3E Platform enables the small size, as well as faster processing, lower power consumption, and future upgradeability.



F37
DIAGNOSTIC ULTRASOUND
SYSTEM

ProSound 6

Backed by the proven technologies of the ProSound series which are reputed for excellent image quality, the ProSound 6 supports high-level echo examination setting the new standard in its class. The system is slim enough for use in a limited space, such as an outpatient consulting room, the bedside in the ward, an operating room, etc.



prosound 6

ProSound 2

The ProSound 2 has been developed to meet the demand for high image quality in a portable unit. It features user-friendly simple operation with a variety of probes, making it ideal for today's increasingly diverse examination environment thanks to its enhanced flexibility and ingenuity.



prosound 2

Diagnostic Ultrasound System

HI VISION Ascendus

We have attained a new level of development to meet the endless demand for high quality imaging. The HIGH VISION Ascendus is filled with a full range of advanced technologies developed by joining forces of the Hitachi Group. ULTRA BE II, the second generation of ultrasound broadband engine, realized unprecedented high quality imaging performance. The ULTRA BE II allows for various new functions including 4D Elastography.



HI VISION
Ascendus

HI VISION Preirus

The HI VISION Preirus is a compact premium class ultrasound scanner with brand new platform. In addition to the further improvement of state-of-the-art technologies like Real-time Tissue Elastography and Real-time Virtual Sonography, this system realizes basic performance required to ultrasound systems in higher level than ever before. For higher image quality, Pure Image, beautiful and clear image is achieved. For higher operability, its ergonomic design and the touch panel incorporated in the image monitor offer a comfortable operation.



HI VISION
Preirus

HI VISION Avius

Diagnostic ultrasound system “HI VISION Avius” equipped with Hitachi’s latest digital technologies realizes high-definition ultrasound beam forming and advanced image processing. Especially, it compactly integrates high-quality imaging functions such as the 3rd generation tissue harmonic function (HdTHI), adaptive imaging function (HI REZ) and so on. The HI VISION Avius can also incorporate Real-time Tissue Elastography.



HI VISION
Avius
