

HITACHI
Inspire the Next

SCENARIOTM

Lower Dose With Confidence



Computed Tomography Inspired by Hitachi.

Over 30 Years Experience. 12,000+ CTs Placed Worldwide.
Hitachi Continues to Raise the Bar with SCENARIO 64-Slice CT.

Excellent image quality. Innovative dose reduction technologies*. Fast throughput, extremely easy-to-use, and compact footprint. That's what SCENARIO provides you. In addition to Hitachi's legendary reliability, responsive service and support.

Depend on SCENARIO to provide the flexibility, quality and lower dose needed for fast, accurate diagnosis every day...for every one of your patients.



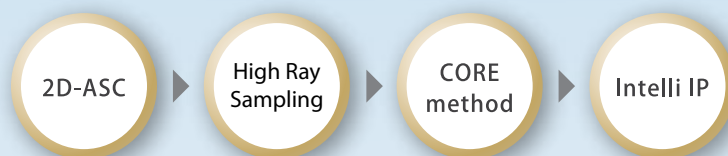
SCENARIO™



* In clinical use, dose saving features may reduce CT patient dose depending on the clinical task, patient size, anatomical location and clinical practices employed. Consultation with a radiologist and physicist are recommended to determine the appropriate dose needed to obtain diagnostic image quality for a particular clinical task.

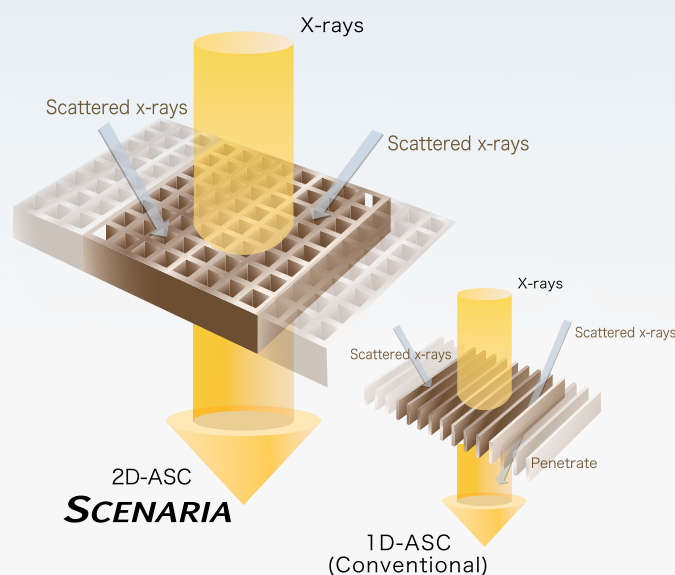
SCENARIO, Hitachi's Next Step in CT Technology.

SCENARIO draws on Hitachi's superior CT technology resources to deliver the highest level of 64-slice CT performance and image quality with lower dose.



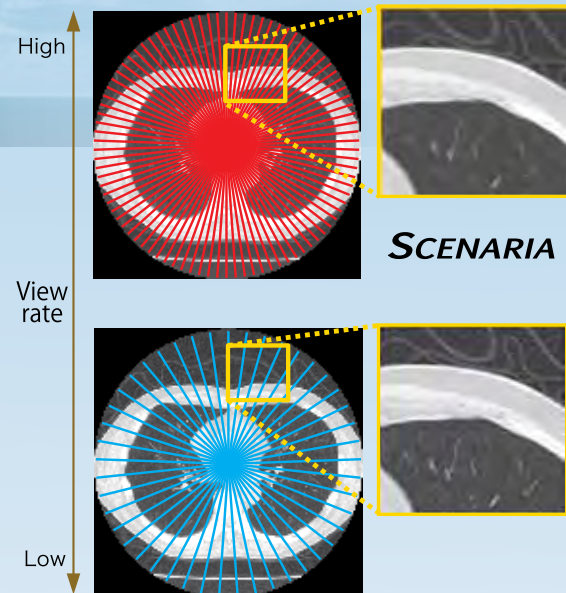
2D-ASC (Anti-Scatter-X-Ray Collimation)

SCENARIO is the first CT in its class equipped with 2D-ASC. Which significantly reduces detected scattered radiation between slices and in each slice between detector elements for enhanced image contrast.



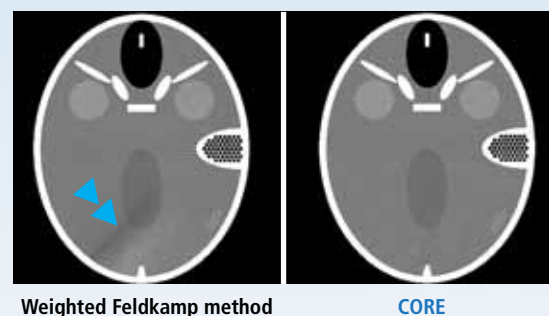
0.35 Second Scans with High Density Ray Sampling

SCENARIO's high density view rate provides 2,880 data samples per detector element per second. This enhanced data collection rate over the 360° rotation provides dramatically improved data density on the periphery of the Field Of View. Making SCENARIO's shortest 0.35 second scan time ideal not just for cardiac, but a wide range of routine abdominal and long coverage exams.



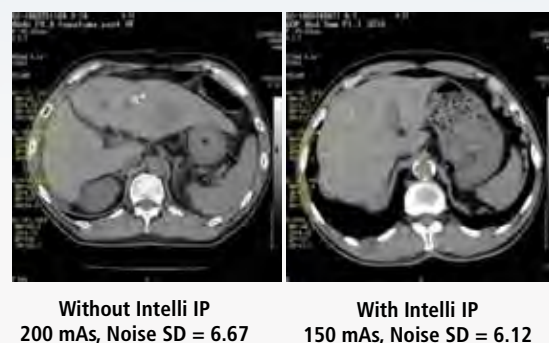
Hitachi Proprietary CORE™ 3-Dimensional Image Reconstruction Algorithm

With Hitachi's advanced CORE 3D image reconstruction algorithm, cone beam artifact is greatly reduced. The result is a narrower effective cone angle that allows for higher pitch scanning while maintaining high image quality. The benefit is reduced patient radiation exposure and shortened exam time.



Intelli IP (Iterative Processing)

Intelli IP, a standard feature for SCENARIO, reduces image noise while maintaining image spatial details for lower mAs scans, thereby providing excellent image quality at lower patient dose. The dose reduction benefits of Intelli IP are achieved without significantly increasing reconstruction times.



Success Through Clinical Experience and Know How.

Speed. Coverage. Quality. The SCENARIA Advantage.

From MR and Ultrasound to CT, Hitachi brings a spirit of inspiration and unwavering passion for excellence. The SCENARIA 64-slice CT is the culmination of over three decades working with the best minds in CT technology and innovation to continually stay ahead of the curve while improving clarity, efficiency and safety.

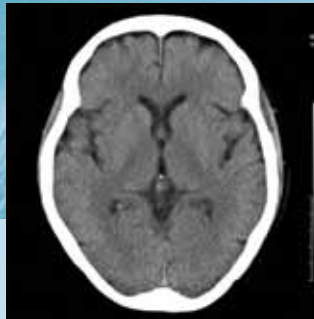
Whether you are adding a new CT to your imaging department or replacing one, the clinical benefits of SCENARIA are clear.

- Rapid 0.35 second Scanning
- Thin 0.625mm Slices
- Greater Coverage
- Lower Dose
- Precise Bolus Timing with Predict Scan™ and available Direct Injector Synchronization





Chest



Neuro



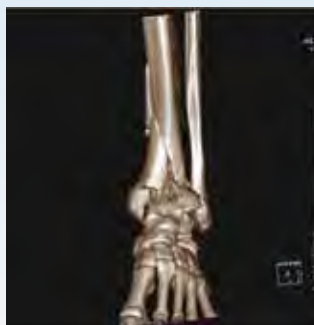
Abdomen



CT Angiography



Abdomen/Pelvis



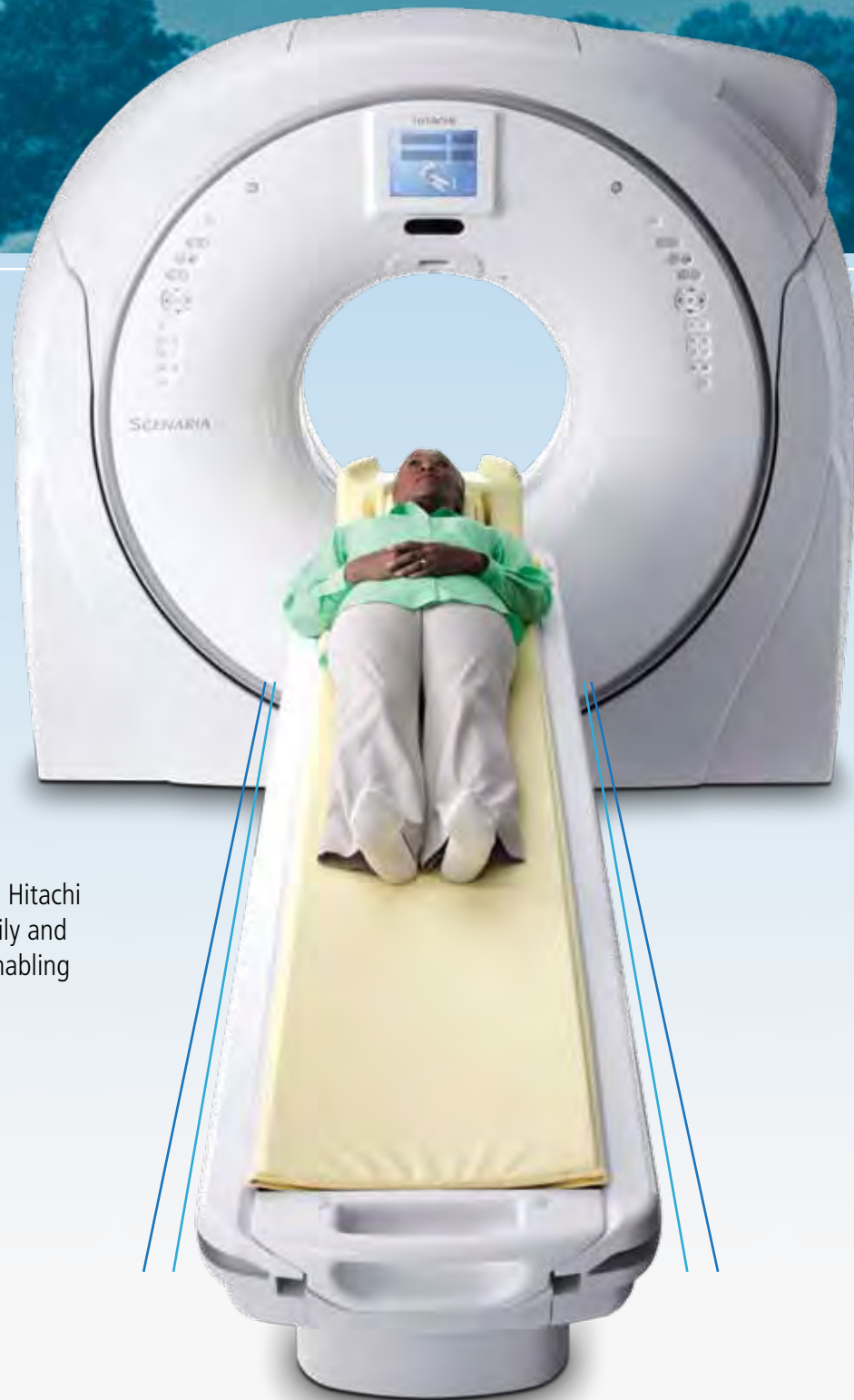
Orthopedic

You can depend on SCENARIA to enhance clinical value, reduce exam time and provide uncompromising image quality for all your routine applications.

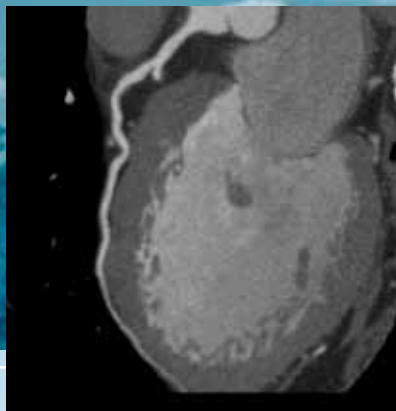
Advanced Applications Expand Your Clinical Opportunities.

SCENARIO comes equipped with the features you need to perform more advanced applications with precision, speed and efficiency.

With SCENARIO's auto-lateral shifting table-top, a Hitachi exclusive in the 64-slice marketplace, you can easily and accurately center the heart in the field of view. Enabling a lower dose without compromising image clarity.

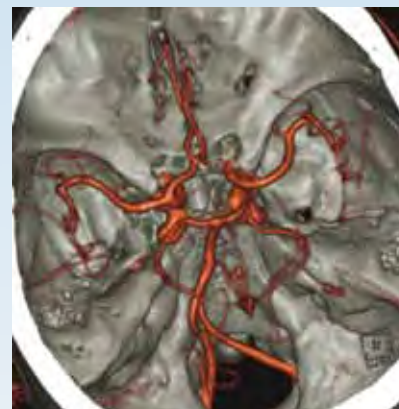
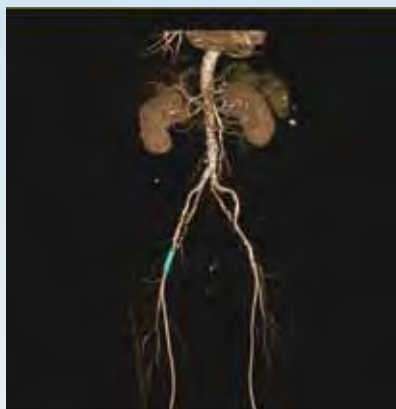
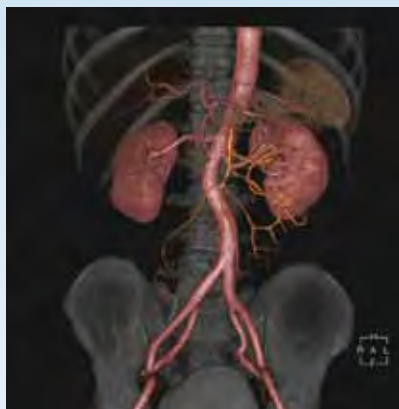


± 80mm lateral shift from center line



Cardiac CT Angiography (Option)

SCENARIA combines the latest retrospective and prospective ECG Gated acquisition technology with sophisticated algorithms to capture clear, concise information of the heart, over a wide range of heart rates and irregularities. SCENARIA also provides the sophisticated protocols you need to achieve CCTA and Calcium Scoring data in a single exam.

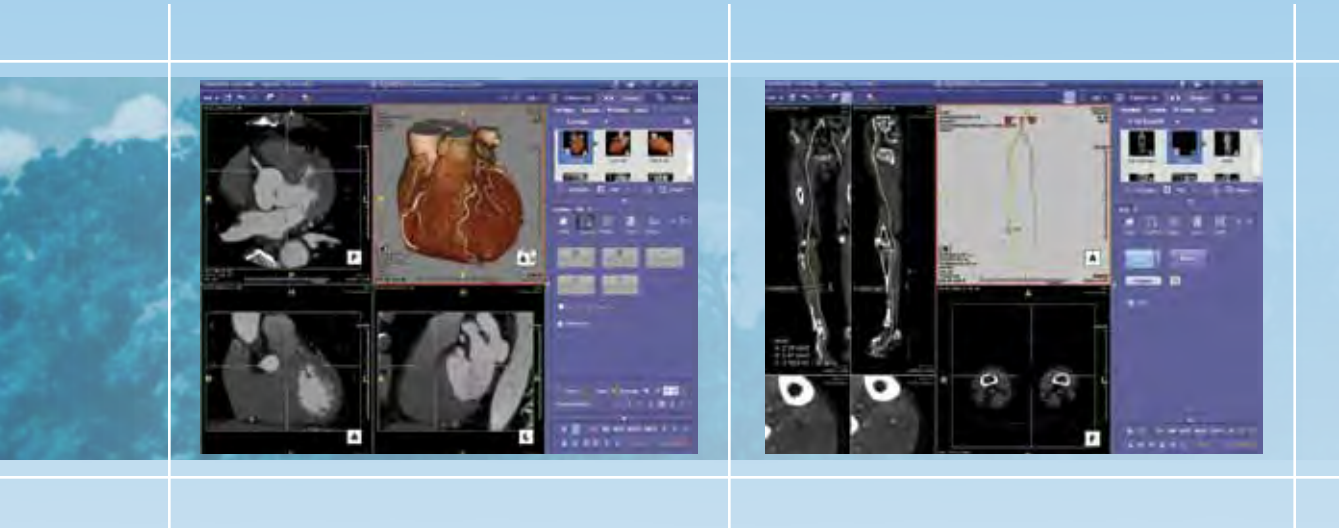


Vascular CT Angiography

The strength of the SCENARIA Vascular CT Angiography capabilities lie in its advanced design that facilitates peripheral angiograms over a z-axis length up to 200cm. This enables sophisticated run-off studies and trauma assessments to be performed with greater speed and coverage.

SCENARIATM

SCENARIO 's Powerful Workstation for Advanced 3D Visualization and Analysis.



TeraRecon, A Proven Partner for Exam Processing and Review.

SCENARIO is fully equipped with the imaging capabilities and power you expect in a top-of-the line 64-slice CT. And through Hitachi's close partnership with TeraRecon, Inc. you can have powerful 3D visualization technology intelligently integrated in one complete package at your fingertips.

TeraRecon's iNtuition™ Platform delivers the rendering power, ease, automation and versatility with thin-client workstation class clinical capabilities needed for complete study processing and image management.

With Hitachi's Directlink interface you can easily link SCENARIO directly to your near-by TeraRecon 3D visualization workstation without the need to go through your organization's IT networks — providing exceptional study transfer speed.



Lower Dose Technologies that Put the Patient First.



Patient Safety, Image Clarity, Diagnostic Confidence. The Core of SCENARIO Engineering.

Hitachi brings a complete understanding of what it takes to implement low dose technologies into its CT products. SCENARIO is a clear example of how these technologies work together to achieve ALARA (As Low As Reasonably Achievable) practices, improve outcomes and retain remarkable image quality.

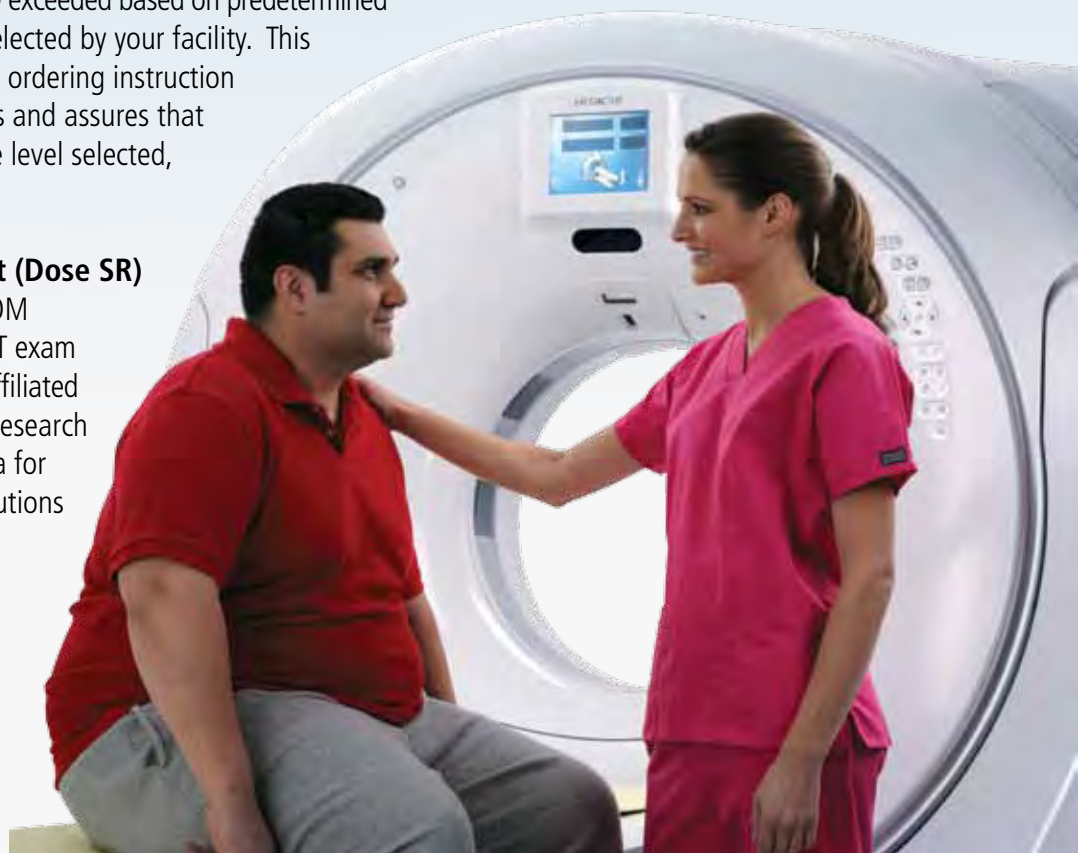
SCENARIO has a robust set of new and improved Dose Awareness and Reduction features that provide the tools to minimize dose and ensure image quality standards are met.

SCENARIO Dose Awareness Features:

CT Dose Check notifies the operator during exam protocol set-up when reference radiation dose levels will be exceeded based on predetermined reference dose levels that can be selected by your facility. This Dose Check monitoring helps avoid ordering instruction errors, unintended operator settings and assures that reasons are considered for the dose level selected, before a scan begins.

DICOM Dose Structured Report (Dose SR)

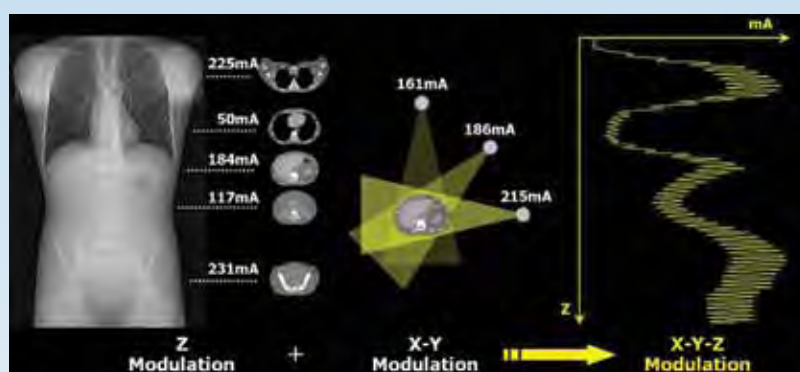
provides the ability to send a DICOM standardized dose report for each CT exam to national or local dose registries affiliated with your facility. Thus facilitating research and comparison of actual dose data for similar exams across multiple institutions to help continuously refine dose appropriateness guidelines.



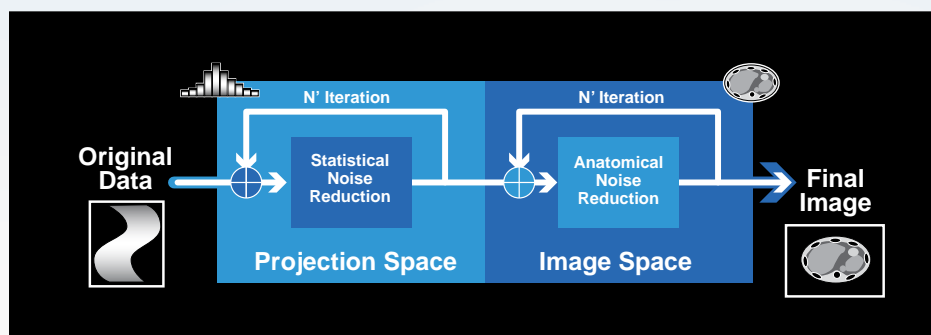
SCENARIA Reduces Dose for a Full Range of Exams.



SCENARIA Dose Reduction Features:



Intelli EC (Automatic Exposure Control) is Hitachi's proprietary 3D mA modulation technology that automatically modulates mA to lower individual patient dose levels depending on patient anatomy and size. mA modulation occurs both in the x, y plane as the tube rotates and over the patient's z-axis as the table moves. Intelli EC can be set to provide real-time control of mA, to achieve a constant Noise Standard-Deviation in the resulting images.



Intelli IP is Hitachi's new proprietary iterative processing engine that produces high image quality with significant dose reduction. This is achieved through the use of adaptive iterative reconstruction processes, in both projection and image space, that provide optimal image reconstruction with a substantial reduction in dose. The result is reduced image noise and retention of image resolution, features and edge information.

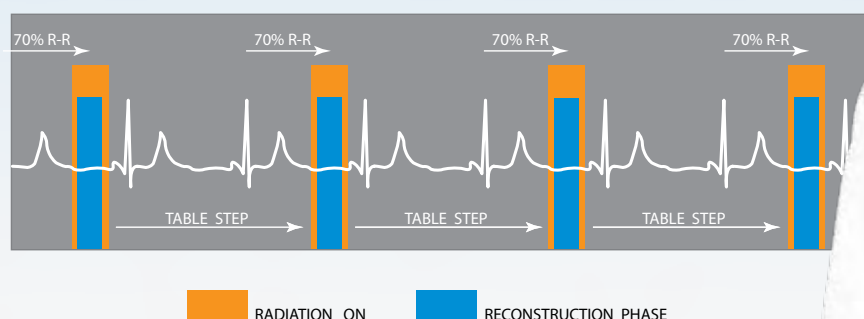


Automatic Lateral Shift Table-Top is the only table of its kind for a 64-slice CT, allowing for a more exact positioning of the patient and a more precise focus on the body organ being studied. Table-top left/right lateral position from the centerline ($\pm 80\text{mm}$) can be selected from the AP Scanogram.

Multi-Bowtie Filters dramatically reduce radiation in areas outside the scan field of view.

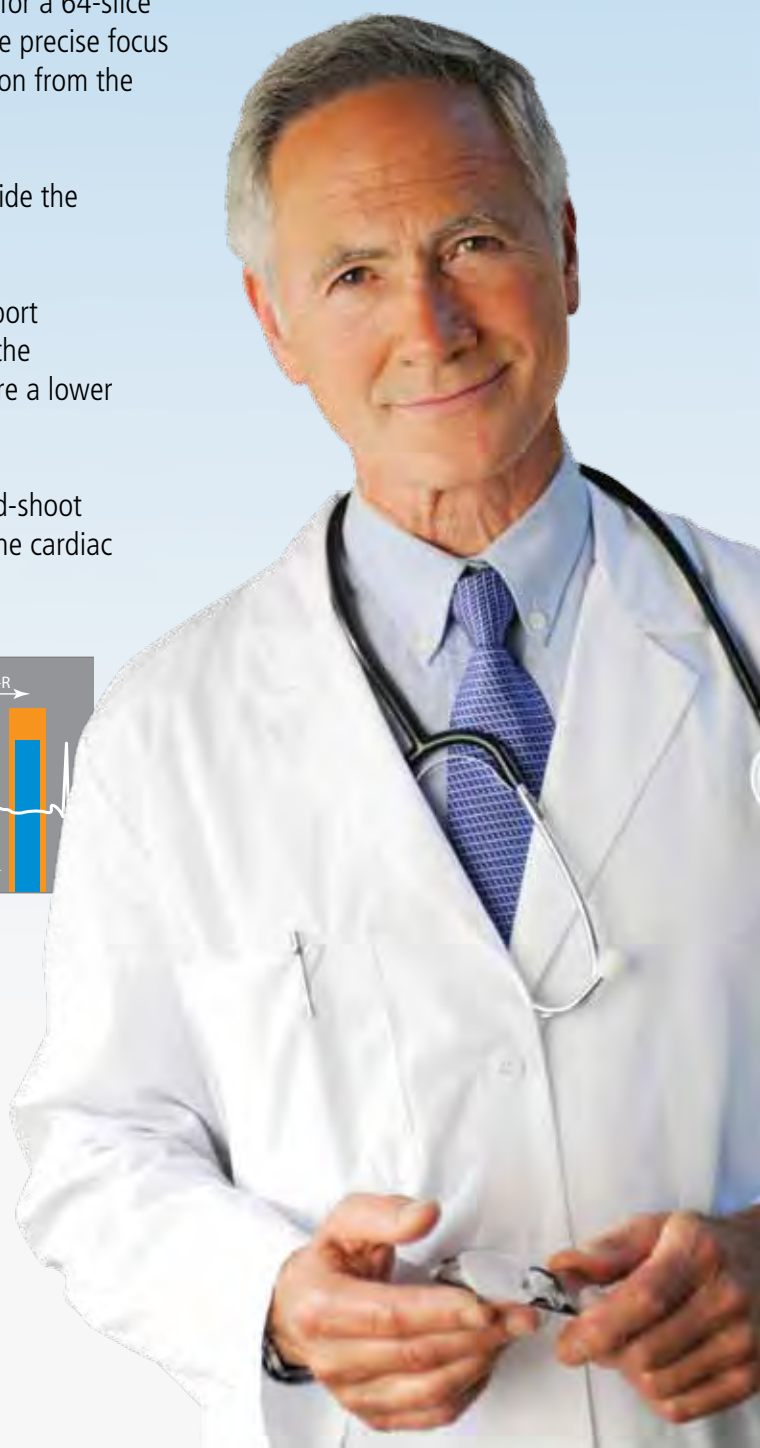
Reduced kV Imaging is a feature that allows SCENARIA to support scanning at your choice of 80, 100, 120 or 140kVp. This enables the use of the lowest appropriate kV for the patient's size and therefore a lower dose for the patient.

Axial Snap-Shot Imaging provides prospectively gated step-and-shoot cardiac scanning that pulses the X-ray on only during a phase of the cardiac cycle to significantly reduce radiation dose.

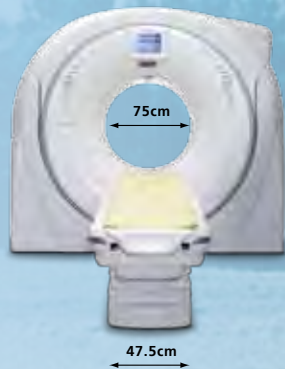


SCENARIA also comes equipped with other cutting-edge hardware and software technologies that efficiently translate the minimum necessary radiation into the high image quality you expect.

And, all SCENARIA protocols supplied by Hitachi have been reviewed and adjusted by HMSA's Protocol Committee to meet ALARA practices.



Designed to Enhance the Patient Experience.



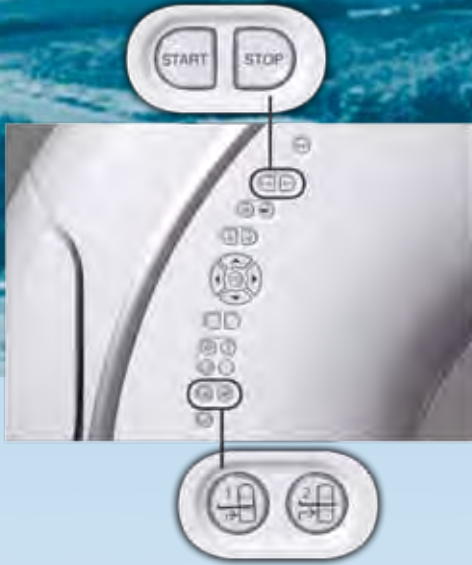
Wider aperture and table top to more comfortably accommodate the patient.



The thinnest 64-slice gantry provides comfort to anxious patients and enhanced access for clinical staff.



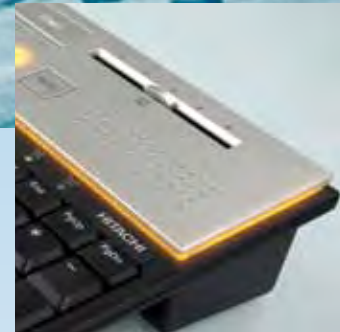
Hitachi has taken 64-Slice ergonomic CT design to a whole new level with SCENARIA. Rapid table movement, up to 200mm per second, speeds positioning time. The ultra-wide 48cm table top moves laterally as well as up/down to comfortably accommodate disabled and elderly patients. The enlarged aperture (75cm) allows for easier scanning of obese patients. And the slimmest gantry depth (88cm) provides unprecedented openness, comfort and peace-of-mind to anxious and young patients. All the features together provide enhanced patient access for clinical staff.



Easy-to-use control panel promotes efficient operation.



Prep Stage



X-ray On

Integrated keyboard that indicates the stage of an examination.

Seamless Workflow that Puts Everything within Reach.

The SCENARIO workflow advantage starts with the intuitive, strategically positioned and easy-to-use bilateral operator control panels located at the gantry. It allows you to run operations next to your patient until right before the examination starts – making the positioning process of your patient quick and easy.

During the exam LED keyboard lighting visually shows the status of the scan. Hitachi's operator's console is designed for comfortable use in a compact operational environment. The SCENARIO user interface is the latest generation of Hitachi's highly praised easy-to-use interface providing simplified patient registration, selection of pre-defined protocols with intuitive protocol modification options and prominent dose awareness information. And with Hitachi's Directlink interface you can easily link SCENARIO directly to your near-by TeraRecon 3D visualization workstation without the need to go through your organization's IT network. Providing exceptional study transfer speed.

Everything from start to finish will integrate seamlessly with your RIS/PACS system and other visualization platforms of choice, saving you valuable time and investment.



Outstanding Support Services Complete Hitachi's 64-Slice CT Solution.



Imaging professionals continue to look to Hitachi for exceptional imaging systems and lifecycle value. SCENARIO comes with a commitment to success in achieving your goals while offering the highest standard of patient care.

Seamless Site Planning and Installation

With the smallest gantry/table footprint of any 64-Slice CT, SCENARIO is the ideal choice to replace your older CT with minimum reconfiguration of room space. And you can depend on your Hitachi-expert site planner to be there and guide you every step of the way.

On-site/Off-site Training

Comprehensive on-site applications training with no-charge follow up visits come standard with every Hitachi warranty and service contract. So, when your workforce changes or expands, the experts at Hitachi will do the training without added financial burden to your facility.

Our on-site and on-line training courses are continually updated so that the latest dose reduction strategies and best operating practices of SCENARIO are always at the forefront of your CT experience.

Advanced Sentinel Remote Service

Your SCENARIO service contract includes remote system diagnosis providing the ability to remotely send an image, look at raw data, read error messages, monitor operating parameters and more.

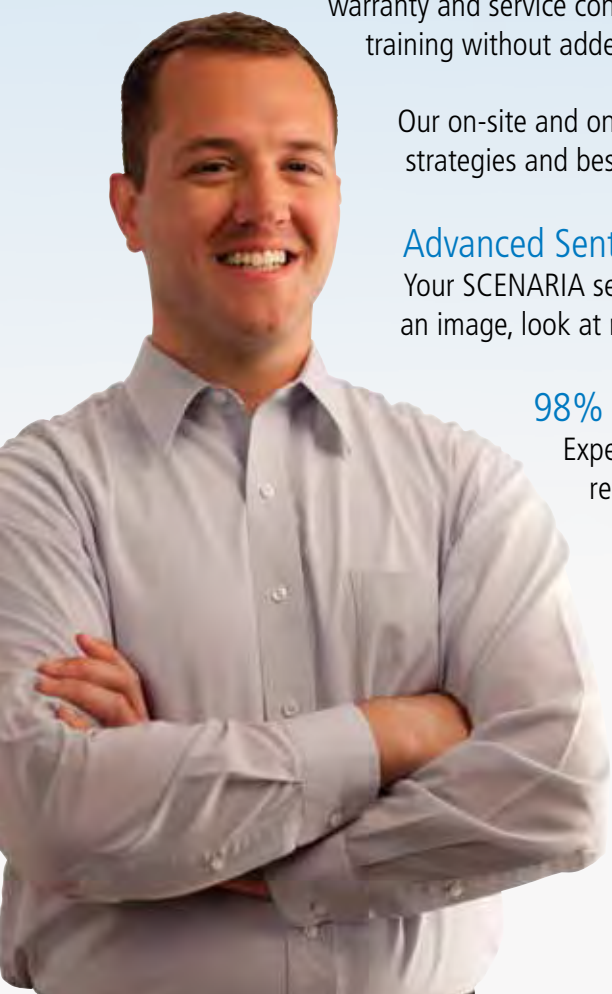
98% Uptime Guarantee

Expect reliability. Your system is running 98% of covered time during every quarter or you receive additional service at no cost.*

Marketing Assistance

Hitachi delivers comprehensive customer marketing support to help promote your facility to referring physicians and the local community. Patient Education Materials clearly differentiate SCENARIO CT from other diagnostic alternatives. And prepare patients for their CT experience. A comprehensive Marketing Planner includes press releases, photography, clinical examples, patient fact sheets and physician marketing pieces. All proven effective with Hitachi installations nationwide.

* See Service Maintenance Agreement terms.



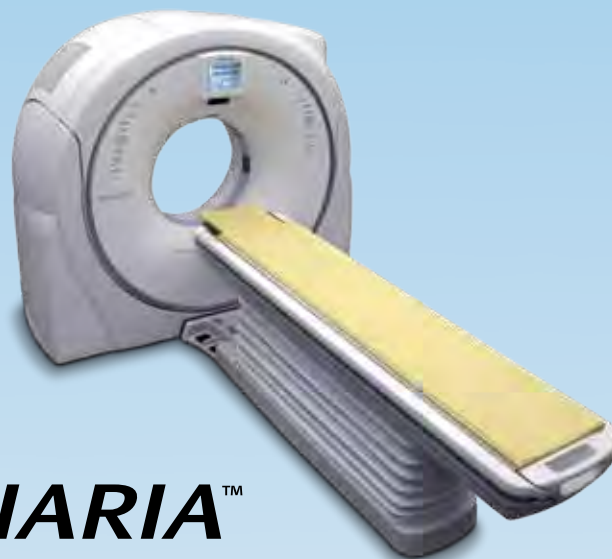
Putting Hitachi to Work For You.



With over 350,000 Hitachi professionals worldwide, we're committed to making sure you realize the promise made during your purchase of SCENARIO, an advanced, low dose 64-slice CT imaging investment.

From contract signature to installation. And through each excellent patient experience that contributes to the growth of your enterprise. We'll be at your side to ensure SCENARIO is an excellent ownership experience.





SCENARIOTM

Hitachi Medical Systems America, Inc.
1959 Summit Commerce Park
Twinsburg, Ohio 44087 U.S.A.
Tel: 330.425.1313 800.800.3106
Fax: 330.425.1410
www.hitachimed.com

Hitachi Medical Corporation
4-14-1 Akihabara UDX
Soto-Kanda, Chiyoda-ku
Tokyo, 101-0021 Japan
www.hitachi-medical.co.jp

Hitachi Medical Systems Europe Holding AG
Sumpfgasse 13
6300 Zug, Switzerland
Tel: 41.41.748.63.33
Fax: 41.41.748.63.32
www.hitachi-medical-systems.com

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