FUJIFILM
Value from Innovation

CT

SCENARIA View

SPECIFICATION DATA



the next level in ct



Quality

Continuing Fujifilm's commitment to Innovating Healthcare, the SCENARIA View CT platform is designed with unique practical innovations to better meet the needs of a wide range of patients and providers.

With over 40 years of CT design and manufacturing experience, 14,000+ CT systems placed worldwide and the unparalled service and support of Fujifilm, you can rest assured the View will deliver outstanding return on investment now and for years into the future.

With the SCENARIA View
the next level in CT is here.

SCENARIA View

SCENARIA View – Fujifilm Innovation at Work

The SCENARIA View (View) delivers enhanced dose efficiencies,* superb image quality, increased workflow speed and enhanced ease-of-use to suit in and out patient imaging environments.

With 128-slice capabilities and an intelligent combination of radiology and cardiology clinical capabilities, the View provides extremely powerful clinical value.

The View comes standard with unique features including Fujifilm's premium auto-lateral shifting table with a 200cm scannable range, low minimum table height as low as 49cm, high weight capacity up to 550lbs and ±10cm lateral shift from center line (20cm range).

The lateral shift table enables you to accurately center the heart or other anatomy in the Field of View for lower dose* and higher resolution.



* 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.

Outstanding View Capabilities

The View provides up to 128 slices in a fast 0.35-second scan time enabling shorter breath-holds and reduced patient motion artifacts without compromising image quality. Submillimeter slices optimize fine detail images for small lesion and vessel assessment. In addition, the advanced technology in the View facilitates your selection of optimum protocols for high image quality with lower dose acquisition.

View Technology

- Meets and surpasses Smart Dose Standard XR-29
- The 0.35 second scan with higher density ray sampling rate of the View provides superior image detail
- IPV, Fujifilm's latest Vision Modeled iterative reconstruction technology
- 128 slices per rotation capability for improved multi-planar reconstruction (MPR) visualization
- Rapid workflow with reconstruction speed of up to 60 images per second with PowerRecon II



Scan Parameters

- Rotation times (seconds): 0.35, 0.4, 0.5, 0.75, 1.0, 2.0
- Data collection speed: 2880 views per second
- Minimum Slice thickness (mm): 0.625
- FOV (mm): 20-500
- Max scan range (in/mm): 79/2000
- Max scan rotations: 100
- Volume scan pitch: 0.578 to 1.578

Scan Acquisition Types

- Scanogram with real-time display — AP & Lateral
- Normal scan — axial mode
- Volume scan — helical mode
- Dynamic Scan mode for Time Density Analysis
- ECG Scan modes, Retrospective and Prospective (option)
- Shuttle Scan mode (available 80mm axial and 120mm helical options)

Protocols

- Pre-programmed emergency
- Pre-programmed reference adult and pediatric
- Pre-programmed user default
- Limitless user-defined, customizable protocols
- Access Controls (Locked protocols, NEMA XR-26)

Note: All Fujifilm protocols provided are reviewed and optimized by HHA's Protocol Committee to ensure ALARA practices are met.



View's Enhanced Technologies

Fujifilm's patient focused philosophy is built into the View. Its leading technology and features put the patient first – meeting ALARA (As Low As Reasonably Achievable) standards.

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 meets the NEMA Standard (XR-25)

DICOM Dose Structured Report (Dose SR)

Send a DICOM standardized dose report for each CT exam to your PACS / VNA and dose registries affiliated with your facility. Thus complying with dose record requirements, facilitating research and comparison of actual dose data for similar exams (Per NEMA Standard XR-29).

Simple Dose Report

The Simple Dose Report automatically creates a dose report embedded with the image series, making it easily accessible whenever and wherever the image series is viewed.

Intelli IPV - Iterative Reconstruction

IPV is Fujifilm's Next-generation "vision modeled" iterative processing that provides dose reduction and overcomes a conventional IR weakness by IPV maintaining normal image texture that better matches the image texture appearance of Filtered Back Projection (FBP)**.

Utilizing IPV vs. conventional FBP reconstruction can provide:

- Dose reduction up to 83% at the same image quality (low contrast detectability)
- Image noise reduction up to 90% at the same dose
- Noise reduction rate control according to the IPV level used
- Low contrast detectability improvement by up to 2.0X (100%) at the same dose
- Natural image texture appearance (the shape of noise power spectrum) similar to that of FBP, even if using higher IPV strength level

HiMAR Plus

HiMAR Plus provides metal artifact reduction through raw data correction to minime distracting artifacts that arise from orthopedic metal implants.

Intelli EC Plus

Fujifilm's proprietary 3D mA modulation technology, Intelli EC Plus automatically modulates mA to lower individual patient dose* levels depending on patient anatomy and size and considering the level of iterative reconstruction selected. Intelli EC Plus can be set to provide real-time control of mA, to achieve a constant Noise Standard-Deviation in the resulting images.

Advanced Intelli Cardiac Scan Package (Option)

- Prospective ECG Gating with Axial SnapShot mode
- Retrospective ECG Gating
- ECG Dose Modulation
- Cardio Conductor — protocol automation
- Cardio Harmony — phase selection automation
- Gate Editor

Predict Scan

Monitors contrast uptake to a user-selectable threshold value and automatically initiates the scan for optimized image contrast at minimum radiation dose and reduced injected contrast volume.

Automatic Lateral Shifting Table

Enables lateral table shift of ±10cm (20cm range) by manual or automatic Scanogram selection to precisely center the anatomy of interest.

Multi-Bowtie Filters

Reduces radiation in areas outside the filter's field of view.

Reduced kV Imaging

Supports lower kV and dose based on individual patient size Available Selections:

- 80kV
- 100kV
- 120kV
- 140kV

** Notes:
In clinical practice, the use of Intelli IPV may reduce CT patient dose depending on the clinical task, patient size, anatomical location, and clinical practice. A consultation with a radiologist and a physicist should be made to determine the appropriate dose to obtain diagnostic image quality for the particular clinical task. Low contrast detectability (LCD) and image noise were assessed using reference factory protocols comparing Intelli IPV and FBP, and the LCD measured in 0.625mm slices and tested using the MITA CT IQ Phantom (CCT189, The Phantom Laboratory), using model observer method.

The View Defines High Performance with Solid Design and Technology.

Patient comfort and throughput is a driving signature of Fujifilm. The View achieves this with a larger, more accommodating 80cm aperture and lateral shifting patient table (±10cm). Now elderly and large patients can approach the View with less apprehension.

Gantry Detector System

The design of the View reflects the important dynamics that happen between patient and technologist. A multi-function LCD display strategically placed in the Gantry allows the technologist to precisely control positioning and set-up functions.

Gantry

- Gantry aperture: 80cm
- Gantry tilt: ± 30 degrees
- Gantry Display: 15 inch LCD-Touchscreen Multi-function for ECG, status monitor or patient instructions
- ECG Data Input
- Scan localizer: Laser marker (at preparatory position and scan position)



- Gantry, table controls: emergency stop, start/ stop scan, home, preset, move to scan plane, table reset, tilt, laser alignment lights, demo breath hold buttons/lights, table in/out, table up/ down, collision sensor
- Foot pedal controls: home, preset
- Breathing lights
- Patient communication: intercom, auto-voice

X-Ray Detector

- Type: Solid state ceramic
- Coverage: 4cm with 64 rows
- Detector elements: 64 x 888
- New HV design with up to 25% less electronic noise

X-Ray Tube

The X-ray tube combines high power with high durability for long-term image quality. A fast tube-cooling rate minimizes inter-scan times to promote faster scanning and throughput. No chiller is required, simplifying the installation process and enhancing system reliability.

- Anode heat capacity: 7.5MHU
  (45MHU Equivalent value with Intelli IPV)
- Anode max. cooling rate: 1,386kHU/min
- Tube cooling: Oil/Air
- Focal Spot (mm): 0.7 x 0.8; 1.2 x 1.4

X-Ray Generator

Integrated with the performance characteristics of the high-heat unit X-ray tube, the generator delivers the optimal X-ray power per protocol.

- Type: High-frequency inverter control
- Output: 84kW
- kVp selection: 80, 100, 120, 140kV
- mA selection: 10-700mA (5mA steps)
- Max tube current: 700mA @100 and 120kV



Comfort

SCENARIA View

Patient Table

The bariatric-weight-capacity table accommodates a wide variety of patients without compromising comfort or throughput. Lateral movement allows for precise centering. And the low minimum table elevation facilitates placement of disabled and elderly patients.

- Table-top width: 18in (475mm)
- Table length: 110in (2805mm)
- Table weight capacity: 550 lbs (250kgs)
- Horizontal accuracy: ±0.25mm
- Vertical travel range: as low as 19in (490mm), up to 38in (970mm)
- Tabletop travel: from 5mm/sec to 200mm/sec
- Horizontal travel range: 83in (2110mm)
- Lateral Slide motion:
  - Moving speed: 10mm/second
  - Shift range: ± 10cm (right or left from center)

Operator's Console

Clear logical layout allows simplified selection of complex clinical applications and protocols. A single widescreen display facilitates multi-tasking. From acquisition and reconstruction through post-processing, the operating console of the View sets the bar for maximum efficiency.

- Display: single 24-inch LCD widescreen monitor
- Display resolution: 1920 x 1200
- Fully automated, interactive software platform
- Pre-programmed patient demographics and protocol selection
- Complete protocol-driven scan control
- Preview Reconstruction
- Priority Reconstruction
- Auto-archive
- Auto-film
- Exam-Split
- UPS for console and image processor

Operator's Console

- Import from RIS-DICOM MWM
- Pre-registration
- Emergency registration mode

Operator's Console

- Slice thickness (mm): 0.625 - 10
- FOV (mm): 20 – 500, by 1mm step
- Matrix: 512 x 512
- Image reconstruction time: up to 60 images/ second (depending on recon parameters)
- Immediate image review
- CT number range: -32,768 to +32,767

Image Display and Analysis

- Up to 1024 x 1024 Matrix
- Multi-frame layout
- WW/WL
- Magnify
- Pan
- ROI
- Image Rotation
- Measurement
- Cine
- Edge Enhancement/Smoothing

3D Image Processing

- Multi-Planar Reconstruction (MPR)
- Maximum Intensity Projection (MIP)
- Minimum Intensity Projection (MinIP)
- Surface Rendering
- Volume Rendering
- Auto MPR, automatic MPR Processing selected from Scanogram

Network Capability

- IHE-SWF
- IHE PDI
- DICOM Modality Worklist (MWM). Sortable
- DICOM MPPS
- DICOM Query/Retrieve
- DICOM Dose SR with export
- DICOM multi destination image series send

Remote Service

- Sentinel™ diagnostic tools

Storage Capacity

- Image HD: >1TB holds ≥600,000 images
- Raw data HD: 3TB holds >6,000 scan rotations
- Archive: 4.7 GB DVD (non-cartridge) holds approximately 7,000 images
- Also accepts DVD-R and CD-R

Data Processing

- Dual Intel CPU's
- Windows 10 OS

Innovative

The compact footprint of the View provides efficient and cost effective siting options.

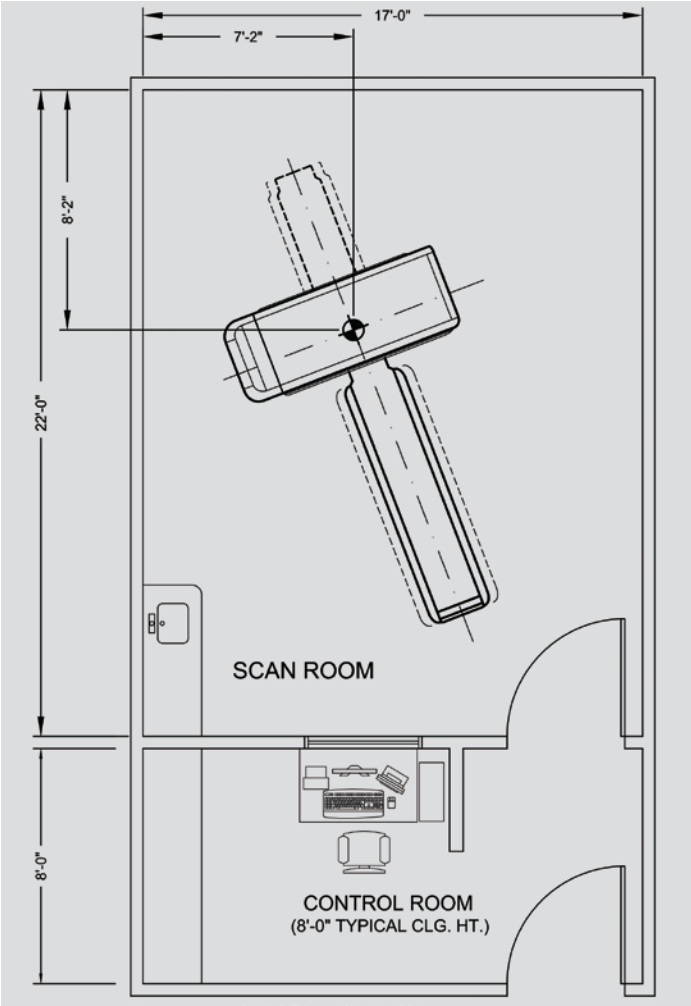
Whether you are replacing a CT or expanding your imaging capabilities, the View will fit your specifications. The small footprint of the View exemplifies the Fujifilm tradition of combining easy siting and cost effectiveness with advanced imaging design.

As a leader in diagnostic imaging, Fujifilm provides a wealth of site-planning options, as well as a proven system for efficient construction collaboration. From initial site evaluation and selection to layout, delivery and installation, your Fujifilm team will be there to solve challenges and ensure an efficient installation.

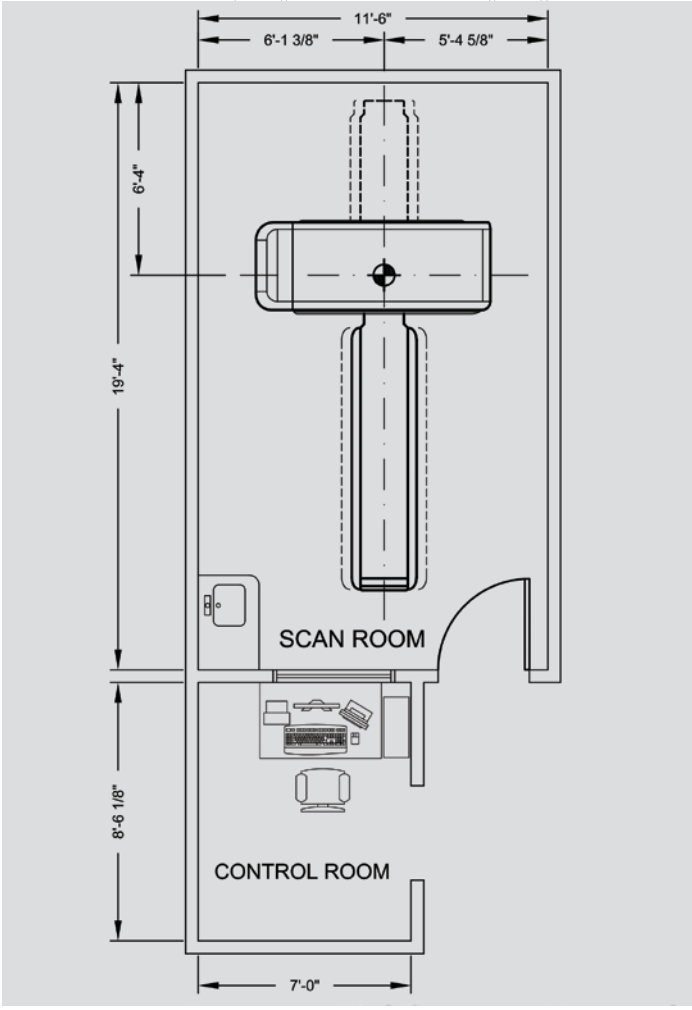


SCENARIA View

The View features a compact three module design. All system components fit into just three modules: the table, gantry and operators console.



Typical Floor Plan – 510 sq. ft.
Not to scale



Minimum Floor Plan – 285 sq. ft.
Not to scale

Physical Specifications

	Height (mm)	Depth (mm)	Width (mm)	Weight (Kg)
Gantry	2000	943	2350	2220
Patient Table	490-940	2803	650	500
Operator's Console	606	745	421	74

Table for monitor, keyboard and mouse supplied by HHA.

View Siting Requirements

Power and Environmental Requirements

- Input voltage: 480 Vac, 3 phase
- Main breaker: 200 AMP
- Peak supply capacity: 100kVA
- Input frequency: 50/60Hz
- Power supply regulation: 5% or less
- Main voltage fluctuation: ±10% or less
- Operating temperature: 20–28 C°
- Operating humidity: 35 - 80%
- Water supply: none required

Lower Dose. Higher Performance and Reliability

Investing in the View, you can count on over 40 years of Fujifilm CT experience and innovation in addition to unparalleled service and applications support. Our proven approach to imaging technology will ensure lower dose performance, outstanding uptime, maximum productivity and excellent 128-slice image quality.

Reliability



SCENARIA View

Expand your Fujifilm Ownership Experience

Fujifilm offers a wide range of MR, CT, Ultrasound and IT solutions. Each delivering superior diagnostic quality, lower dose, positive patient experience and excellent value over the life of the product. And with periodic software and application training updates and a 99% CT uptime guarantee included with your warranty and full service contract, you can be sure that Fujifilm will be with you every step of the way to enhance your CT systems utilization with a lower lifetime cost.





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