

ECORAY

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YOUR RAD ROOM SOLUTION

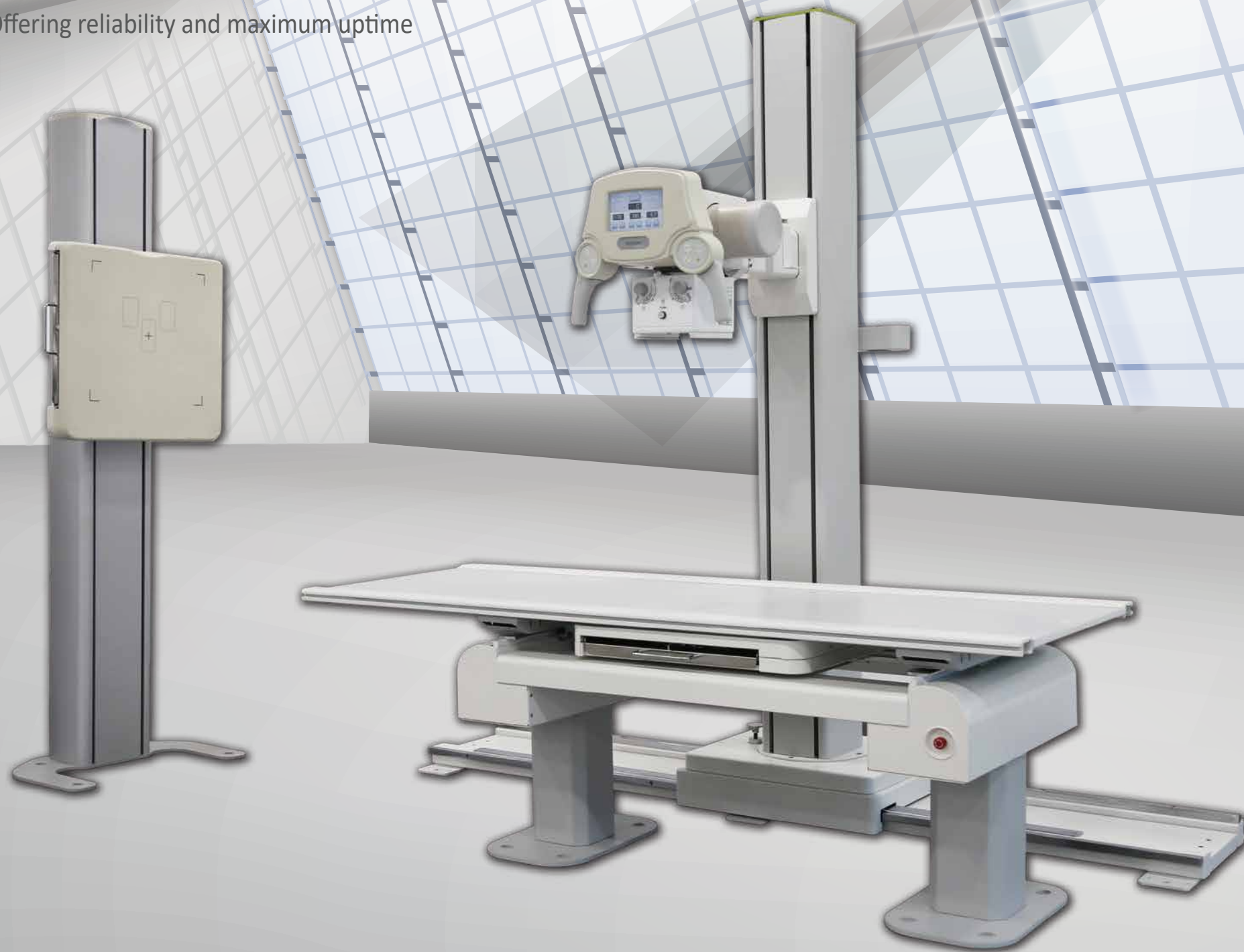
Digital Radiographic System

ECORAY

ECOVIEW 9 PLUS

Affordable Floor-Mounted Radiography System

- Flexible configuration and options for every need
- Cost-effective and easy installation and use
- Offering reliability and maximum uptime



Advanced medical solutions

- Floor mounted tube stand with transverse move
- 4way floating top table with 10:1 ratio moving grid
- Wall Bucky stand with 10:1 ratio moving grid
- 8m long HV cable
- LCD O/P Console

Optional Items

- Ceiling suspended tube stand
- 6way Elevating table
- Tilting wall Bucky stand
- Synchronized mechanics
- AEC
- DAP

Floor mounted Tube Stand

A freestanding and ergonomic design to save installation time and cost. Extended range of motions covering any difficult patient positioning. Effortless and unforced movements by counterbalance and electromagnetic locks to secure at any location.



CATEGORY	SPECIFICATION
Type:	Manual, Top down movement
Dimension:	860 x 1,070 x 2,300mm (H)
Floor rail size:	Approx. 2,500mm
Longitudinal tube travel:	Approx. 2,000mm
Transverse tube travel:	260mm
Handle bar Display	LCD screen **Option : LCD TOUCH screen available (kV, mA, mAs adjustable)
Vertical tube travel:	Approx. 1,500mm (400 ~ 1,900mm from the ground level)
X-ray tube rotation:	+/- 180° (detents at +90° ~ -90°)
Tube stand column rotation:	+/- 180° (detents at +90° ~ -90°)
Locks:	Electromagnetic brakes
Tube arm controls:	Longitudinal, vertical, and rotational lock control buttons

4 Way Floating Table

Light four-way movements for easy patient positioning and efficient workflow. Robust and heavy-duty structure up to 250kgs table weight capacity. Foot-controlled electro-magnetic locks to flexibly adjust longitudinal and transverse travels. Variouscassette size capabilities (5"x7" up to 17"x17") with moving bucky tray.



CATEGORY	SPECIFICATION
Dimension :	2,200 x 800 x 690mm (H)
Table top composition :	Melamine Laminated structure
Table top-to-film distance:	Approx. 75mm
Table top Al. equivalence :	<0.8mm Al at 100kVp
Table top weight limit :	250kg
Longitudinal travel :	Approx. ±400mm
Transverse travel	Approx. ±150mm
Bucky travel	Approx. ±200mm
Table locks :	Electromagnetic brakes
Table lock controls:	Foot switch
Grid	Oscillating grid, Ratio: 10:1, 103lines/inch
Cassette size :	Up to 17 x 17 inch

Wall Bucky Stand

Advanced application of a back side button for a wide-spread vertical movement. Minimal focal spot to floor distance for a comfortable standing position especially considering patients with physical disabilities. Slim and cutting-edge appearance to accommodate the needs of diverse healthcare providers. Cassette flexibility up to 17" x 17"



CATEGORY	SPECIFICATIONS
Standard type:	Floor mounted, manual operated
Bucky:	Oscillating grid
Vertical Bucky travel :	1,500 mm (400~1,900mm from the ground to bucky center)
Vertical movement :	Manual, counterbalanced
Front plate to film distance:	Approx. 50 mm
Cassette sizes:	Adjustable up to 17 x 17 inches
Grid:	Ratio: 10:1, 103lines/inch (oscillating)
Bucky front Al. equivalence:	<0.8mm Al at 100kVp
Locks:	Electromagnetic brakes
Lock controls:	Foot controller
Accessories:	Front patient holder on both sides and upper holder

Optional Items

Ceiling Suspended Tube Stand (Manual)



- Rail size – Upper rail: 4,000mm / Lower rail: 3,000mm
- Longitudinal travel – 3,000mm or more
- Transverse travel – 2,000mm or more
- Vertical travel – 1,500mm (900 ~ 2,400mm)
- Tube rotation – ±180°

6way Elevating Table



- Table top size – 2,200mm (2,400mm) x 800mm
- Longitudinal travel – ±400mm
- Transverse travel – ±150mm
- Vertical travel – 340mm (510 ~ 840mm)
- Bucky travel – ±200mm
- Up/down speed – Up: 16mm/sec, Down: 20mm/sec
- Weight limit – 250kgs

ECORAY HF Generators



32kW / 40kW / 50kW (630mA)



32kW / 40kW
Super Capacitor Bank
(PSU Generator)



50kW (800mA) / 65kW / 80kW
(Max. 300kHz Frequency)

OP Console



LCD OP Console



LCD Touch Screen
OP Console



LCD OP Console
for Max. 300kHz Frequency HFG

CATEGORY	32kW	40kW	50kW		65kW	80kW
KV range	40-125kV	40-125kV	40-150kV	40-150kV	40-150kV	40-150kV
Radiographic mA range	10~400	10~500	10~630	10~800	10~800	10~1,000
Exposure Time Range Accuracy	0.001 - 6 seconds (81 steps) ±2%					
Frequency	40kHz			Max. 300kHz		
mAs Range	0.1 ~ 400	0.1 ~ 500	0.1 ~ 630	0.1 ~ 800	0.1 ~ 800	0.1 ~ 1,000
High Voltage Ripple(TYP)	<1kV@100kV					
Automatic Exposure Control	Optional (up to 2 chambers)					
Power Supply Unit (PSU)	Optional (battery/capacitor type)					
Anatomical Programming	288 APR			1,290 APR		
OP Console	LCD OP console / Touch screen OP console (Option)		LCD OP console			
Line Voltage (phase)	220-230VAC, 50/60Hz, Single Phase		380VAC, 50/60Hz, Three phase			
Automatic Line compensation	± 10%					
Weight	110KG			130KG		

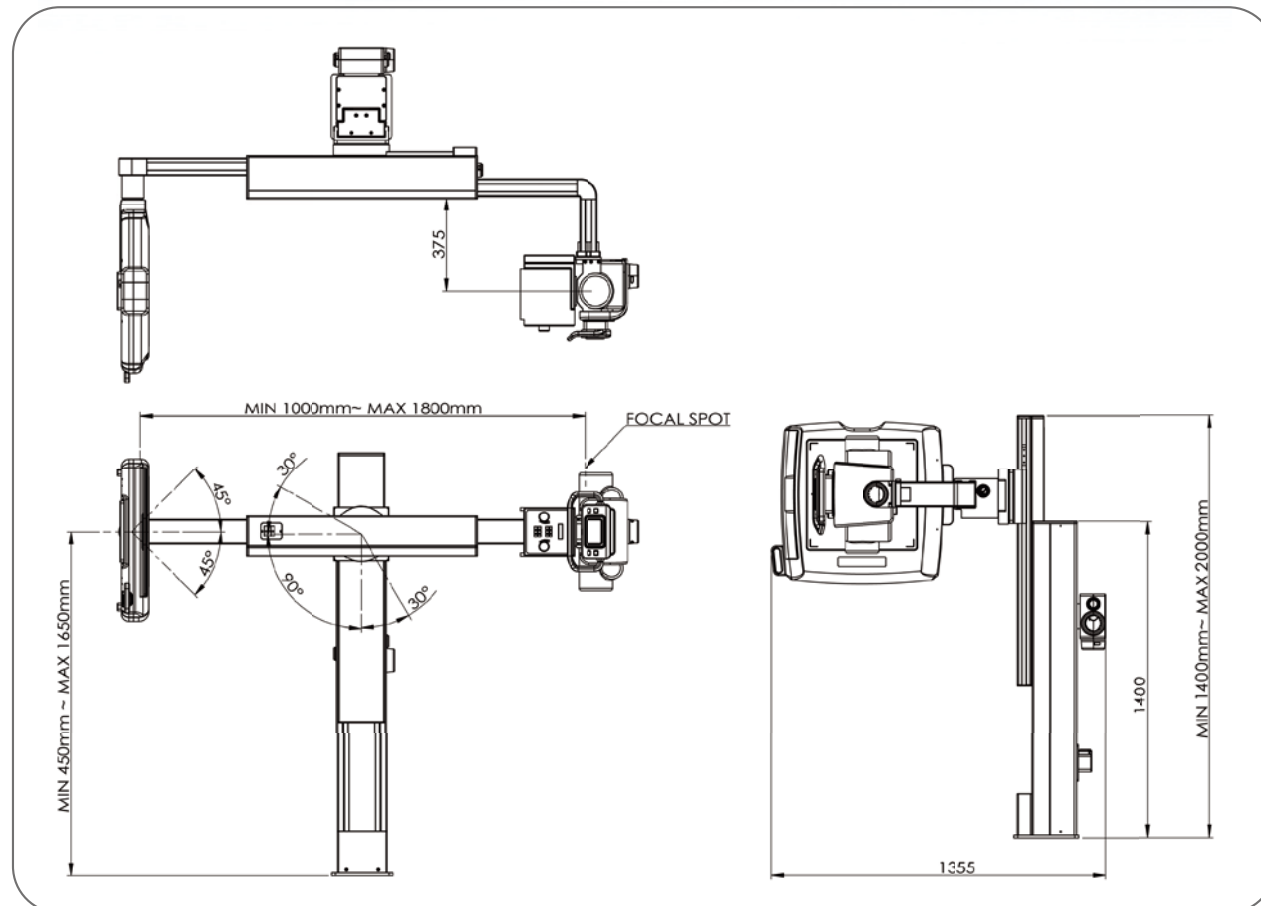
Straight Arm

- COLLAPSIBLE STAND for compact installation space.
- LOCK SENSOR operates automatically by hand grip
- SID & ANGLE display on LCD touch screen
- MOTORIZED up/down & SID control



Adjustable detector angle

Easy Lock-free mechanics

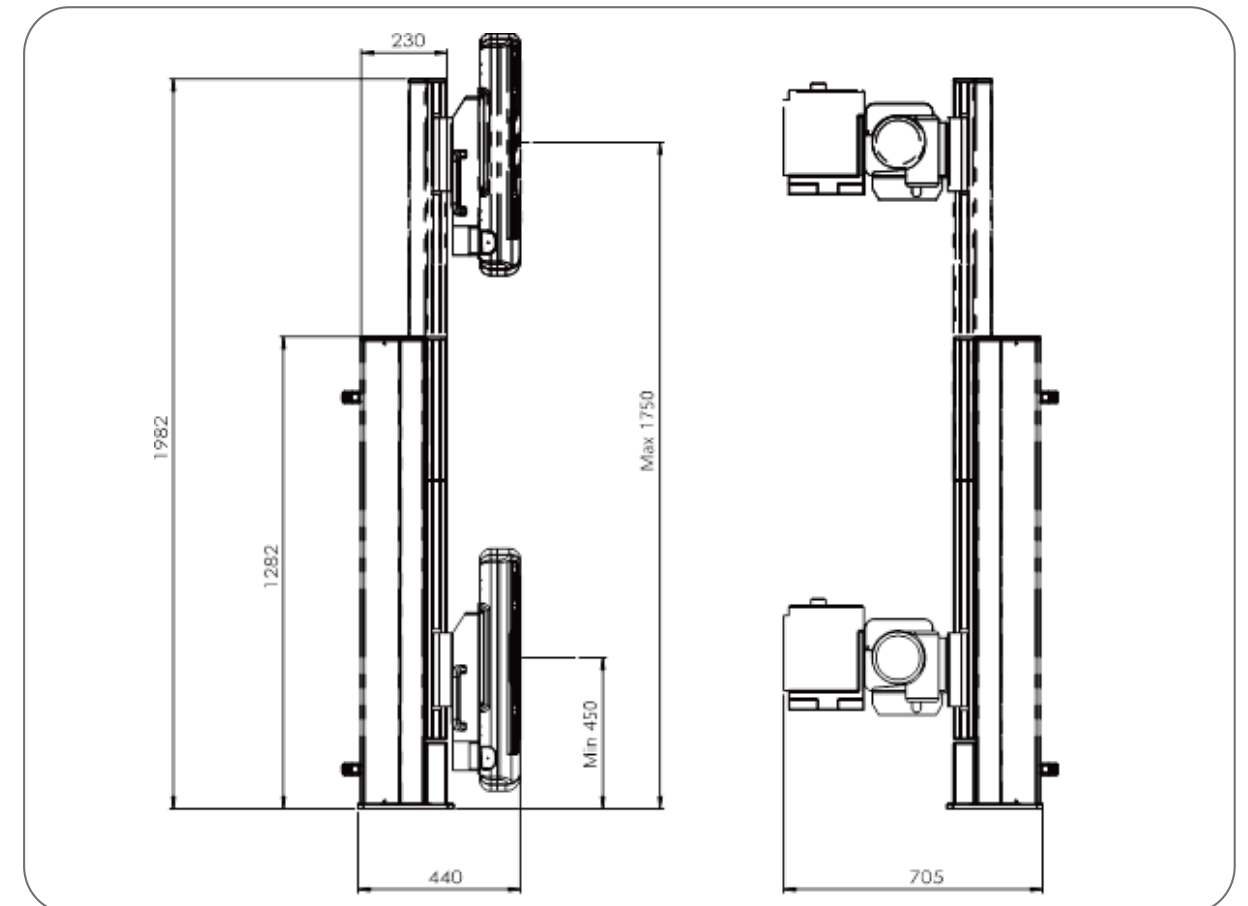


Chest Exam



Chest exam is mainly used for chiropractic and thoracic practices. With its compact design & easy installation, it can be an excellent choice for a mobile solution too.

UP & DOWN Synchronization



DR Solution

SCALABLE & AFFORDABLE

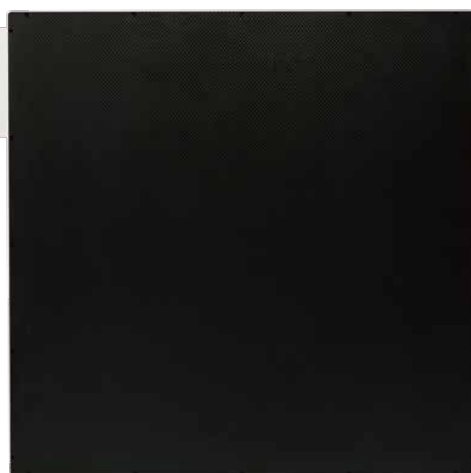
VERSATILITY & EFFICIENCY

DURABLE & STABLE

“Experience precise diagnosis with excellent images”

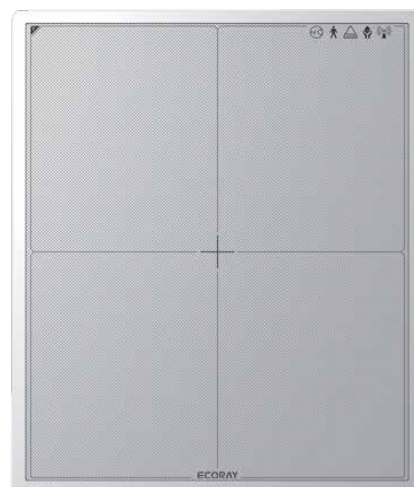
Flat Panel Detector

17"x17" size Wired Type



- Technology : TFT with photodiode
- Scintillator Type : CsI or GOS
- Pixel Pitch : 140μm
- Active Area : 430.08 x 430.08(mm)
- A/D Conversion : 16bit
- Spatial Resolution : Min. 3.5lp/mm
- Image Acquisition Time : < 2sec (Wired)
- Image Cycle Time : 15sec
- X-ray Synch Control : AED or Trigger (with I/O box)
- Dimension : 460 x 460 x 15.5(mm)
- Weight : 4.5 kg

14"x17" size Wireless Type



- Technology : TFT with photodiode
- Scintillator Type : CsI or GOS
- Pixel Pitch : 140μm
- Active Area : 358.4 x 430.08 (mm)
- A/D Conversion : 16bit
- Spatial Resolution : Min. 3.5lp/mm
- Image Acquisition Time : < 3sec (Wireless)
- Image Cycle Time : 10sec
- X-ray Synch Control : AED or Trigger (with SCU)
- Dimension : 384 x 460 x 15(mm)
- Weight : 2.9 kg

Digital Acquisition Software – “ECOVIEW”



ECOVIEW DR Console S/W

Control of DICOM

- Available DICOM sending multi PACS server in real time
- Patient CD with image viewer and export various image formats (JPG, BMP, PNG)

Control of X-ray system

- Set x-ray exposure condition
- Set study position for bucky and tube

Control of detector

- Ready & Read raw data from detector
- Calibration offset value
- Monitoring interface to detector

Local information DB

- Study information store and management
- Control & modify & searching DB

Pre-Processing

- Various contrast equalization
- Auto Windowing, Noise Reduction, Background filtering

Post-Processing

- Contrast & Edge enhancement
- Smoothing, Image Frequency filter

Others

- E-mail and store log in an emergency
- Various image handlings (Rotation, Annotation, Masking, ROI)
- Merge or separate study or image
- Backup images to external HDD with image viewer



PC



Surface Pro Series Tablet PC

