

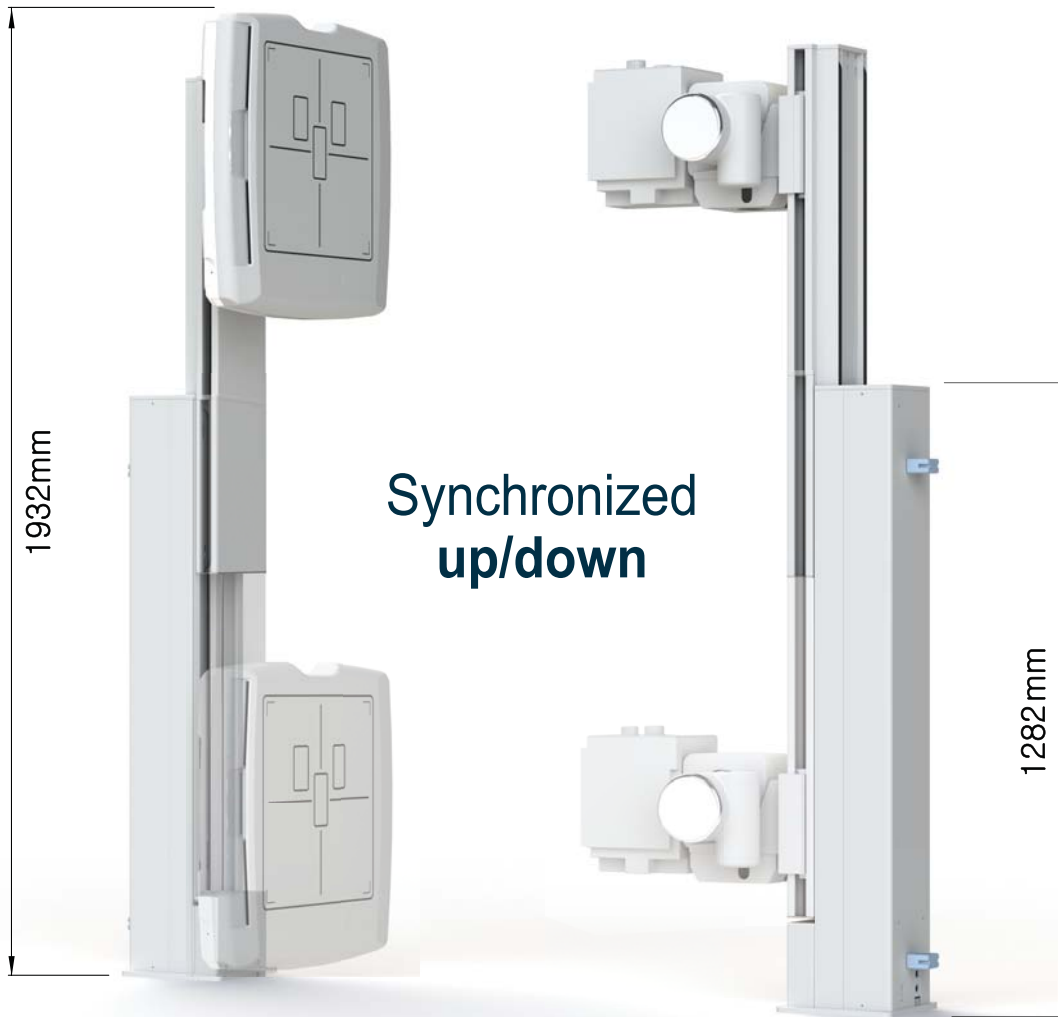
ECOVIEW

# “Chest Exam”

## ECOVIEW 9

Simple and smart features can make differences

EcoView 9 Chest DR is suitable for chiropractic use in small examination centers.



- Synchronized up/down movement by motor control
- Easy to maintain Chest examinations – covering entire wall stand applications
- Provide finest image resolution through Flat Panel TFT detector
- Glassy surfaces, durable stands are holding each tube and detector tight & strong
- Steady X-ray output from HF Generator and rotating anode tube
- Built-in TFT flat panel detector and superior software for quality image
- User friendly LCD console and fast workflow, low maintenance cost
- Easy installation and operation in a clinic or a vehicle

# Digital Acquisition Software - "ECOVIEW"

ECOVIEW DR Console SW



Consists



Features



## 1. Image Processing Engine

## 2. Main Console viewer

(worklist, Browser, Exposure, Review)

## 3. DICOM

- DICOM storage SCU/ Modality Worklist SCU/ Print SCU
- DICOM Query, Retrieve
- DICOM Modality Performed Procedure service SCU
- DICOM Storage Commitment SCU

## 4. Get parameter Tool

## Control of DICOM

- Available DICOM sending multi PACS server at real time.
- Patient CD with image viewer and export variety image format (JPG, BMP, PNG)

## Control of X-ray system

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

## 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 at emergency
- Various image handling (Rotation, Annotation, Masking, ROI)
- Merge or separate study or image
- Backup images to external HDD with image viewer



## Flat Panel Detector

X-ray Conversion Layer :

- Amorphous Silicon (a-Si) Photodiode

Active Area : 43 x 43 cm(17" x 17")

Limiting Resolution : 3.7 Lp/mm typ.



LCD OP console

## Technical Specifications

Category / Range		500mA	630mA	800mA	800mA	
Generator	Power	40kW	50kW	50kW	65kW	
	Output Frequency	40KHz				
	Max	kV	125	150	150	150
		mA	500	630	800	800
	Max. rating ( at100msec)	500mA @80kV	630mA @75kV	800mA @62kV	800mA @81kV	
	mAs range	0.1 ~ 500mAs	0.1 ~ 600mAs	0.1 ~ 600mAs	0.1 ~ 600mAs	
	Exposure Time	0.001 ~ 6 seconds (81 steps)				
	APR	288				
AEC	Available (optional)					
Line Voltage (phase)	220VAC, single phase	380VAC, three phase				
Tube	Anode heating unit	140KHU	300KHU			
	Focal spot	1.0/2.0mm	0.6/1.2mm			
	Target angle	16°	12°	12°	12°	