

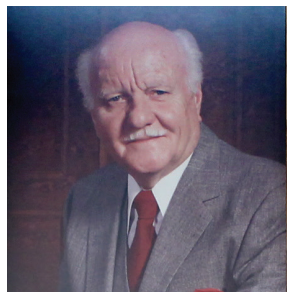
# DCX

Digital Chiropractic X-Ray



rayence

rayence



**Kenneth E. Yochum, DC**

Dr. Kenneth E. Yochum was a native of South St. Louis, MO where he practiced chiropractic for 45 years. He was a certified instructor in the NIMMO Receptor Tonus technique and taught with the inventor Dr. Raymond Nimmo. He was a 1936 graduate of the Missouri Chiropractic College and became an adopted alumnus of the Logan College of Chiropractic when his school closed.



**Terry R. Yochum, DC,  
DACBR, Fellow, ACCR,  
FICC**

Dr. Terry R. Yochum is a second-generation chiropractor and a cum laude graduate of the National College of Chiropractic, where he subsequently completed his radiology specialty. Dr. Terry R. Yochum is currently Director of the Rocky Mountain Chiropractic Radiological Center in Denver, Colorado, and an Adjunct Professor of Radiology at the Southern California University of Health Sciences (formerly LACC) and the University of Colorado School of Medicine.



**Alicia M. Yochum RN, DC,  
DACBR, RMSK**

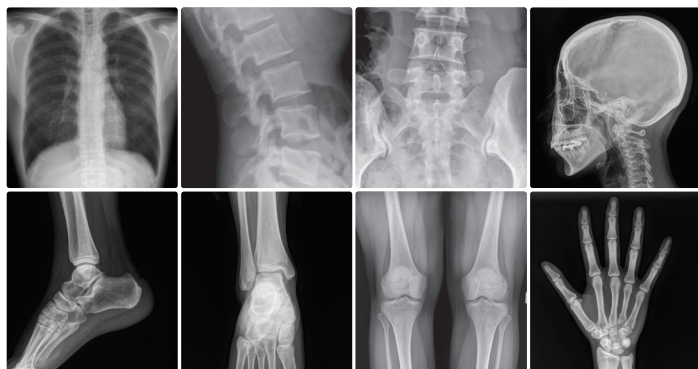
Dr. Alicia M. Yochum received her Bachelor of Science in Nursing from Point Loma Nazarene University and then worked in the ICU for one year before matriculating to Logan College of Chiropractic. She completed her diagnostic imaging residency at Logan in 2015, and received her DACBR in October of 2015, becoming the first second-generation DACBR in the history of chiropractic. She has completed a fellowship in musculoskeletal diagnostic ultrasound at Logan University.

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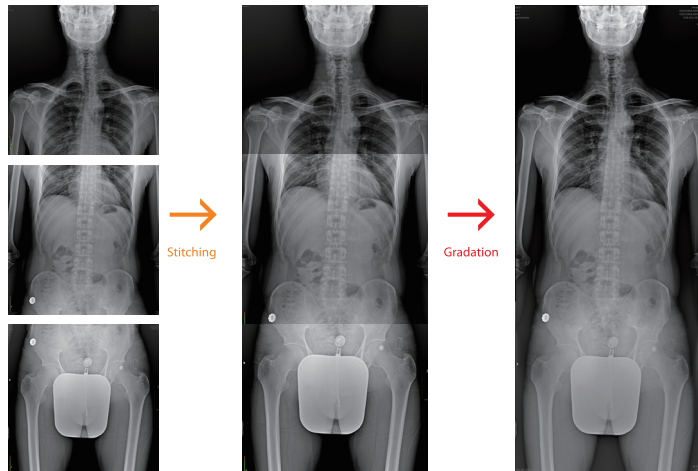
## Raising the Bar for Chiropractic Care

The Rayence DCX Integrated Digital Chiropractic room package seamlessly combines flexibility, efficiency, and convenience at an affordable price. The DCX uses the latest in DR technology which will instantly improve workflow by eliminating the need for conventional X-ray film, storage, and processor. Powered by the Rayence 1717SCV Cesium fixed DR detector, the DCX gives staff and clinicians immediate access to high-resolution digital images with extensive post-processing capability and the ability to share those images within the office in seconds. The DCX features a floor-wall tube stand and a compact wall stand that delivers extensive vertical travel allowing for a full range of upright positions. The tube stand includes electromagnetic brakes and a fixed positioning tube arm for easy and accurate alignment to the wall stand for SID's of 40 to 72". The DCX x-ray generator is integrated into the DR workstation to simplify technique settings before and during an exam so that all changes can be made from the DR workstation console. The DR systems post processing software includes over 50 specific chiropractic measurement tools. Finally, the workstation permits sharing of the stored images by use of our advanced image viewer software with as many as 10 in-office computers to facilitate the review of images with patients.



## Image Processing

- Perfect Image Acquisition (No Adjustment Required)
- Integration Software for Automatic Image Optimization
- Professional Image Processing for Diagnostic Use
- Easy Observation for Bones and Microstructures
- Noise Suppression

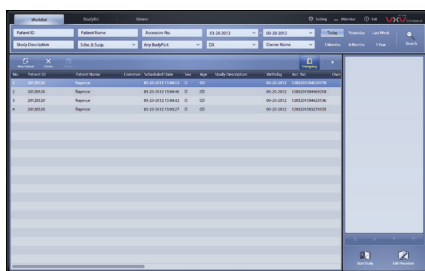


## Harmonic Stitching (optional)

Image stitching is achieved by selecting one of three methods: Full Auto, Semi-Auto or Manual. To eliminate the exposure borders of each image due to varying densities, Rayence's advanced gradation process is automatically applied.

Together with Rayence's optional automatic stitching software, up to three views can be automatically stitched at a touch of a button, making stitching examinations easier than ever to attain.

## Advanced Workflow & Intutive GUI



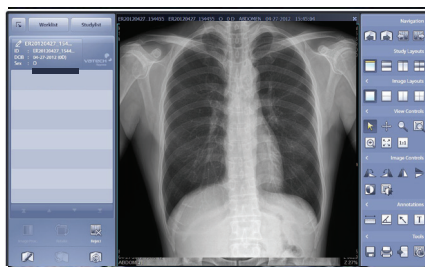
1. Worklist



2. Edit Procedure (Graphic Mode)



3. Generator Control



4. Capture



5. Studylist



6. Viewer (Image Layout & Study Layout)

### Complete Acquisition Software

- User-friendly data searching
- Fast Image Acquisition
- Image Viewing
- Reprocessing
- Optimizing and Archiving

### Intutive GUI

- Intuitive and Direct Graphic User Interface with X-ray Detector and Generator
- Optimized Exposure Conditions and Image Review

Specifications		Tubestand (floor to wall)	
Generator		5 ft. rails	
Output power rating	40 kW	Manual locks for vertical & horizontal tube travel.	
Output frequency	20 kHz	Fixed tubearm ( specify 10", 14", 17", 19" or 23" FS to column front)	
Maximum output	500 mA @ 80 kVp	Platform tube mount, Angulation dial with manual lock, operator handgrips	
kVp range and selections	40 – 125 in 1 kV steps	Wallstand	
mA range and selections	50s, 100s, 200L, 300L, 350L, 400L, 450L, 500L	Electric lock	
mAs range	0.2 - 600	17" grid cabinet	
Exposure time range	0.004-3.0 seconds	103 LPI, 10:1 ratio grid, focal range: 40"-72"	
Power requirements (see options below)	230 – 240 VAC 3 phase	Hospital grade tray 06338	
		Generator to DR software integration kit with handswitch 06751-002	

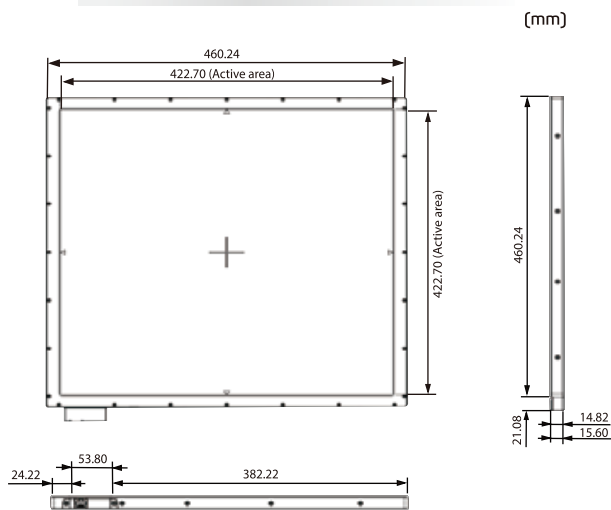
# 1717SCV

## Specification

Sensor type	Amorphous Silicon with TFT (Single panel)
Scintillator Type	1717SCV : CsI:TI
Dimension	460 x 460 x 15.6 mm
Weight	4.0 kg
Total Pixel Area	3,072 x 3,072 pixels
Pixel Pitch	140 μm
Limiting Resolution	max. 3.57 lp/mm
A/D Conversion	14/16 bits
Energy range	40 ~ 150 kVp
Data Interface	Gigabit Ethernet
Operation Environment	5~35°C, 30~75%RH (Non-condensing)
Storage & Transport Environment	-10~50°C, 10~80%RH (Non-condensing)
Power Consumption	Typ 13.5 W

\* Specifications are subject to change without prior notification

## Dimension



## Dealer Information: