

# ClearRay<sup>™</sup> 2000 Specification Sheet



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### TABLE

Fixed Column ClearRay Stand for X-ray Tube and Collimator Elevating table 18" to 31" from floor Table Top 31"D x 60"L Max Weight 600 lbs Open Base shape table overall dimensions 60"x43.2"x 84.9" Fixed arm for a collimator and tube-Standard Column Height 84" Wide foot pedal for the Electromagnetic brake system Foot Switch 15/10 A

#### GENERATOR

#### CPI 32kW Generator with 1 yr warranty

Generator Type	High Frequency Output Maximum 480 KHz
IEC Power Rating	32 KW @ 100 KV for 100ms
KVp Range	40-125 KV
mA Range	10-400 mA
mAs Range (Non-AEC)	0.1-100 mAs
Rotor Supply	Slow speed starter
Input Phase/ Voltage	1ø/215 VAC ±13%
Maximum Input current	Power derating required below 200 VAC
High Voltage Ripple	20 A
Compatible X-ray Tubes	<1 KV @ 100 KV
Auto-tube Calibration	>300 tube models
Exposure Timer Rage	Standard feature
Exposure Timer Rage	1 ms - 6.3 s 10 s, 20 s, 30s Options available
Anatomical Programs	Membrane/Touchscreen console 1024/20,000+ techniques
Supported Console Language	English, French, German, Italian, Spanish, Swedish, Cyrillic (additional available upon request)
Image Receptors	Supports up to 5 Receptors
Technique selection	KV/AEC, KV/mAs, KV/mA/ms or KV/cm thickness (Standard console only
Tomography Mode	Standard Feature
Auxiliary Collimator Power supply	Standard Feature
GenWareTM Service software	PC-based diagnostics & technical support
Documentation	Manuals on CD Hardcopy available upon request

#### **OPTIONS & UPGRADES**

**Generator Integration with Voyance® Available** 

#### **VOYANCE® ACQUISITION SOFTWARE**

User-friendly touch GUI

Automatic image optimization

Exam-specific algorithms image processing

Emergency Mode Accessible at All Times with Single Click.

Support Continuous Exposures.

Side by Side Image Comparison.

Move and Copy Images between Studies.

Edit existing patient information: Search patient by patient name, patient ID, Accession number.

Fully DICOM 3.0 Compatible: MWL, Send, Print, MPPS, etc.

DICOM Send, E-mail or Burn Images Over CD/DVD

Support Multi Format Image Export

True size for printing

Resend / Reprint image

Send/Print queue management

Useful functions: Auto Cropping, Auto Grid Suppression, Auto Labeling, Auto Rotation, Free Rotation, Multi Layout, etc.

Customized functions and various themes

Supporting Up to 4 Digital Detectors Including One Digital Dental Sensor.

Voyance® PACS Software with up to 10 viewers license included

## X-RAY TUBE

Mechanical				
Dimensions	See dimensional outline			
Overall Length	479 mm			
Maximum Diameter	152.4 mm			
Tube Housing Model Number	E7239FX - XH-121			
Maximum X-ray Tube Voltage				
Radiographic	125 kV			
Between Anode (or Cathode) and Ground	62.5 kV			
Minimum X-ray Tube Voltage	40 kV			
Large Focus	570 mA			
Small Focus	340 mA			
Maximum Filament Current				
Large Focus	5.1 A			
Small Focus	5.1 A			
Filament Voltage				
Large Focus (At maximum filament current 5.1 A)	7.7 ~ 10.4 V			
Small Focus (At maximum filament current 5.1 A)	5.8 ~ 7.8 V			
Filament Frequency Limits	0 ~ 25 kHz			
Continuous Anode Input Power	60 W (85HU/s)			
Thermal Characteristics				
Anode Heat Content	100 kJ (140 kHU)			
Maximum Anode Heat Dissipation	475 W (667HU/s)			
X-ray Tube Assembly Heat Content	900 kJ (1250kHU)			
	Upgrade Option			

Туре	Toshiba E7239X	Toshiba E7252X
Focal Spot	1.0-2.0	0.6-1.2
Operating Voltage	40-125kV	40-150 kV
Anode Heat Capacity	140KHU	300KHU
Target Angle	16"	12"

#### DR PANEL

14 x 17 or 17x17 Active area (Real Image Size), Gigabit Ethernet (LAN Cable)

**Resolution:** 3,072 × 3,072 / 7.1 MP

Overall Dimensions: 460 x 460 x 15.5 mm

16 bit depth: 65,535 shades of gray

Csl Direct Deposition, Low Dose Imaging

140µm Pixel Pitch

Lossless AED: USB Power cable Connection, No Power supply needed

IP54 rated panel: Dust and water resistant

Weight: 9.5 lb

5 year Manufacturers parts warranty

Dell I5 PC - 24" LED Monitor - Core i5; DVD drive, WIN 10 64-bit, 8 GB RAM, 1TB HD

**Dell 3 year warranty,** Next Business Day Onsite After Remote Diagnosis, 1 year on Dell monitor

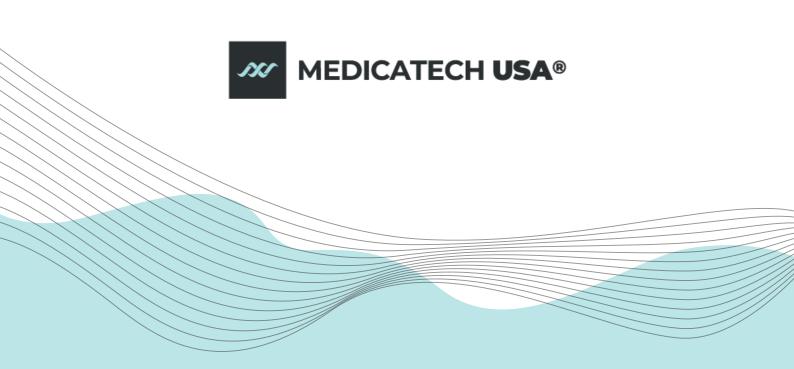
### COLLIMATOR

Collimator-CO-Vet Veterinarian Collimator

**Electronic Timer** 

LSS (low speed starter), Membrane console

Automatic Laser Bucky Centering Light





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