



MEDICATECH USA®

# ClearRay™ **2000**

## Specification Sheet



# Specifications

## TABLE

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

# Specifications

## 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	1 $\phi$ /215 VAC $\pm$ 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 Range	Standard feature
Exposure Timer Range	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
GenWare™ Service software	PC-based diagnostics & technical support
Documentation	Manuals on CD Hardcopy available upon request

### OPTIONS & UPGRADES

**Generator Integration with Voyance® Available**

# Specifications

## 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

# Specifications

## X-RAY TUBE

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

### Upgrade Option

Type	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"

# Specifications

## DR PANEL

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

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

**Overall Dimensions:** 460 x 460 x 15.5 mm

**16 bit depth:** 65,535 shades of gray

**CsI 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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