

# MiniCAT™

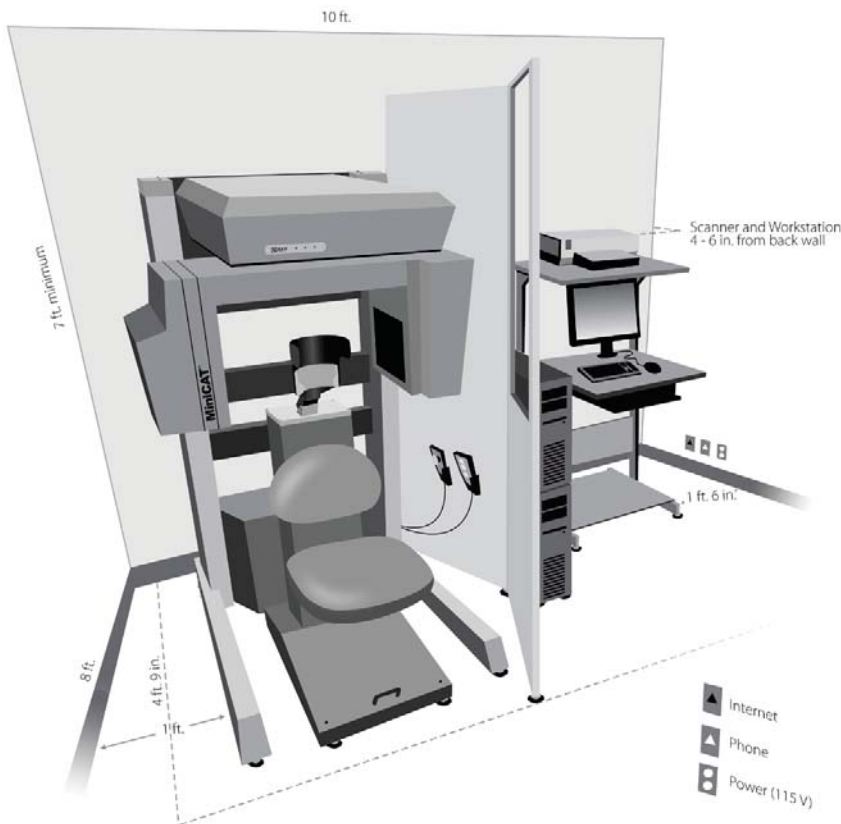
POINT-OF-CARE CT



Xoran makes the complex **simple.**™

**XORAN**®  
TECHNOLOGIES

*Not currently for sale in Canada - Health Canada approval pending*



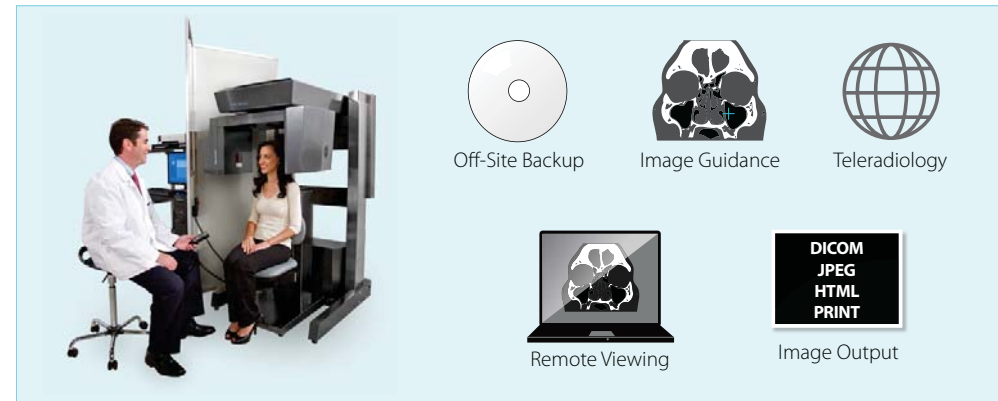
### About the MiniCAT™

The Xoran **MiniCAT™** is a compact, upright volume computed tomography system designed for high-resolution, bone window imaging of the sinuses, temporal bones, and skull base. **MiniCAT™** provides immediate access to images at the patient's point-of-care resulting in a faster diagnosis and treatment.

Users will enjoy a fully featured software suite complete with protocols for imaging both the sinuses and temporal bones. Image output has never been easier with various file formats and presets to choose from, as well as the option to set up completely custom image output and print templates.

With high-speed internet access, **MiniCAT™** customers can utilize XoranConnect®, a web-based service that allows users to remotely view, share, and annotate studies using a fully functional multiplanar viewer. In addition, **XoranConnect®** ensures that all of your studies are securely backed up off-site at Xoran's headquarters.

Weighing in at only 450 lbs. (204 kg), **MiniCAT™** easily fits in a typical 8 ft. x 10 ft. (2.5 m x 3 m) climate-controlled exam room. Installation is fast and easy, often taking only three days. This ensures seamless integration with your practice so you can begin scanning immediately.



## Imaging Properties and Technical Specifications

### Acquisition Protocols

	Tube Voltage	Tube Current	Pulse Length	Number of Frames	Exposure	Scan Time	Default Reconstruction Protocol
<b>Sinus 20s (600)</b>	120 kVp	7 mA	11.5 ms	600	48.30 mAs	20 s	Smooth (400x400 0.4, 0.4, f1)
<b>Sinus 10s (300)</b>	120 kVp	7 mA	11.5 ms	300	24.15 mAs	10 s	Smooth (400x400 0.4, 0.4, f1)
<b>Sinus 10s (150)</b>	120 kVp	7 mA	11.5 ms	150	12.08 mAs	10 s	Smooth (400x400 0.4, 0.4, f1)
<b>T Bone 20s (600)</b>	125 kVp	7 mA	14 ms	600	58.80 mAs	20 s	Sharp (536x536 0.3, 0.3, f0)
<b>Resolution QC</b>	125 kVp	7 mA	14 ms	600	58.80 mAs	30 s	Smooth (800x800 0.2, 0.2, f0)
<b>Water QC</b>	120 kVp	7 mA	11.5 ms	600	48.30 mAs	20 s	Sharp (400x400 0.4, 0.4, f1)

### Reconstruction Protocols

	Coronal Frames	Sagittal Frames	Voxel Width/Depth	Voxel Height	Filter Type
<b>Smooth (400x400 0.4, 0.4, f1)</b>	400	400	0.4	0.4	1
<b>Sharp (536x536 0.3, 0.3, f0)</b>	536	536	0.3	0.3	0
<b>Sharp (800x800 0.2, 0.2, f0)</b>	800	800	0.2	0.2	0

### Filter Type

Filter Type	Description
0	Provides sharp image detail with high-contrast resolution
1	Provides smooth detail with low noise

### System Description

**MiniCAT™** is a compact, upright, volume computed tomography (VCT) imaging system for high-resolution, bone window imaging of the sinuses, temporal bones and skull base. **MiniCAT™** provided immediate access to images at the patient's point-of-care resulting in a faster diagnosis and treatment.

### General Information

**System Dimensions** 40 in. L x 36 in. W x 67 in. H  
(102 cm x 91 cm x 170 cm)

**Recommended Room Size** 8 ft. x 10 ft.  
(2.44 m x 3.05 m)

**Weight** 450 lbs. (204 kg)

**Internet Connectivity** High speed connection is required for service / maintenance

### Patient Support

**Overall Dimensions** 28 in. L x 18 in. W x 50 in. H  
(71 cm x 46 cm x 127 cm)

**Weight** 115 lbs. (52 kg)

**Seat Height Adjustment** 15.5 in. - 42 in.  
(39 cm - 107 cm)

**Maximum Patient Weight** 350 lbs. (159 kg)

### Imaging Properties

**Slice Thickness** 0.3 mm minimum

**Reconstruction Time** <60 s for 600 frames

**Field of View, Axial** 12 cm max.

**Field of View, Cross-sectional** 16.5 cm max.

**Views** MPR / Axial / Coronal / Sagittal / Oblique / 3D / Side-by-Side / TMJ

**Gray Scale Display** 256 Levels

**Display Window** Adjustable level and width

**Workstation** Intel-Based PC

**Compatibility** DICOM 3.0

### Electrical Power Requirements

	Japan	Europe	USA
<b>Line Voltage*</b>	~110 V	~220-240 V	~115 V
<b>Line Frequency</b>	50-60 Hz	50-60 Hz	50-60 Hz
<b>Line Current</b>	5 A Standby	2.5 A Standby	5 A Standby
<b>Main Circuit Breaker</b>	10 A Max	5 A Max	10 A Max

\*Voltage must be held within ± 10% of the specified Line Voltage.

### Environmental Conditions

**Operating Requirements** 50° - 95° Fahrenheit  
(10° - 40° Celsius)  
45% - 75% Humidity

**Transportation and Storage Requirements** 32° - 104° Fahrenheit  
(0° - 40° Celsius)  
30% - 80% Humidity

**Head Dissipation** Approx. 500W / 1700 BTU/hr

It is recommended that **MiniCAT™** is operated in a climate-controlled environment where the ambient temperature does not exceed a range of 60 to 75 degrees Fahrenheit. An operating environment where this suggested range cannot be regulated may reduce the expected life cycle of the **MiniCAT™** system. Changes in temperature may cause the system to require additional calibration.



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