Product Introduction: Intelligent Software & Safety Hardware

SE-PTS-200 portable X-ray scanner has clear image and compact with lightweight design. Using high-resolution digital imaging technology; area scan technology and advanced digital display system. **Security applications include police and military search, postblast investigation, forensics, customs and contraband detection,smuggling and factory product quality testing**

Technical characteristics

➢ Three-dimensional imaging, accurate display of dangerous goods location and internal structure

➢ Dynamically capture images, support playback of dynamic video

➢ Scanning images are clear, the resolution is high and the imaging speed is fast. ;

➢ High capacity battery life, meet the field operations

➢ Super software features: easy to achieve multi-touch gestures, physical size measurement, continuous image zoom, multi-effect image processing

➢ Security upgrades: provides X-ray delay and safety protection to ensure operator safety

➢ Modular design, easy maintenance

Technical parameters:

Detector Type	Area array
Detector frame thickness	≤15 mm
Effective imaging area	≥430mm * 350mm
Image resolution	≥2500*3072
Image display	Black/white, color
Pixel size	140 um
Image acquisition time	2 ~ 6 seconds
Detector single battery life	Support 300 images capture
Detector power supply mode	Lithium battery
Gray level	Class 65536 (16bit)
System function	Date / time display, historical image preview, user management, image storage and retrieval, emergency stop operation, device status display
Detector Panel Weight	3.7 kg (battery included)
Detector communication mode	Wired transmission (standard is 30m network cable, it can extend to max100m); Wireless transmission by WIFI (15m), it can extend to 100m by add extra wireless control box
X-ray source operating parameters	Maximum output voltage: 120 KV Supports regulating voltage and current The X-ray machine is a constant current radiation machine
X-ray source exit angle	35 degrees
X-ray source power supply mode	Built-in Lithium battery
X-ray source weight	6 kg
X-ray source battery life	Support 200 images capture
Line resolution	0.03 mm copper wire
Spatial resolution	2.0 Line Pair/mm
Penetrating force	30 mm steel/140 mm aluminum
Laptop Specifications	14-inch resolution is not less than 1920 × 1080, supports multi-touch,windows 10 operating system; intel core i5-6200U; 4GB memory; 500GB hard drive; NVIDIA Geforce 920M graphics card ,weight 1.85kg,
Storage Capacity	At least 10000 images
Software functionality	It has the functions of gray level adjustment, local enhancement, edge enhancement, image flipping, black and white display, color display, histogram equalization, window width and window

	position, magnifying glass,etc.
	Support 3D imaging: While keeping the X-ray detector still, the X-ray source images the measured object twice continuously (the position of the X-ray source needs to be moved during the two imaging times, and the moving distance is 2cm-5cm), which can be displayed through the computer 3D image.
Operating temperature	-15℃～+50℃
Storage temperature	-40℃～+70℃
Equipment total weight	12kg (including transport box)
Radiation Dose	≤0.1μGy/h at 1m from the X-ray radiation window ≤0.4μGy/h at 50mm from the X-ray source surface

◆ **Application:**

➤ Security inspection for customs, law enforcement, police, airport and the others, including: mail inspection, handguns and explosives detection in left luggage and suspicious packets;

➤ Detection of concealed eavesdropping devices (bugs) in furniture, building structures, office equipment, etc;

➤ Non destructive inspection and evaluation

◆ **Portable Detector Panel ：**