X Ray Inspection Scanner

Scanner is designed to detect weapons, explosives and other dangerous enclosures concealed inside luggage, packages and parcels, or inside vehicles.

◆ Operating Environment:

Operation temperature/Humidity: 0℃-45℃ /10%-95 %(non-condensing)

Storage Temperature/Humidity: -40℃-60℃ /10%-95 %(non-condensing)

Operation Power: 110VAC or 220VAC (±10%), 50/60Hz

◆ Special features:

Relatively small dimensions and lightweight of the system

Autonomous power supply

Complete wireless connection, can be used to remotely control

Use in field conditions thanks to sturdy case for transportation and storage and to broad operating temperature range.

Powerful imaging software with friendly multilingual interface allows exploitation of the system, even by operators with a minimal training

◆ X-ray Generator:

X-ray tube voltage: 80KV~120KV (adjustable)
X-ray tube current: 0.5mA~2mA (adjustable)
Power consumtion:0.14KVA

◆ X Ray image:

Dimensions: 550 x 340 x 85 mm
Size of Inspected area: 420 x 300 mm
Wire resolution:40AWG
X-ray steel penetration : 18 mm in steel
X-ray aluminum penetration: 60mm
Gray level : 16bit&65536
Contrast sensitivity: 0.5%
Dynamic range: 30000:1
Detection case thickness:70mm
Scanning time:3~10 seconds
Weight :9.6kg

◆ Software Function:

Multi-energetic distinguish retrieval: organic objects in orange, inorganic objects in blue, mixture in green.
Image storage: Storage 100,000 pictures in real time
Autonomy when powered by the battery in registration mode (number of images): up to 400 images
Image Processing: Black / white, Color, abundant energy , variable absorptive, elimination of inanimate matter, elimination of organism, super-enhance, reversed color, high energy penetration, low energy penetration, image strengthening, image lightening, reducing darkening, etc.

◆ Computer

Processor: Intel M 1.7 GHz
RAM : 256 Mb
Screen size: 14"
Memory: 2GB, 1333MHz
Hard Disk drive: 500GB.
Operation system: Windows XP
Optional:8 inch tablet PC

◆ General Information:

To inspect an object is necessary to:
- Place the X-Ray generator one side of the object, and the X-Ray imager on the other side;

◆Product advantage

- Install the PC based Control and Processing Unit at a safe distance from the object;
- Connect the system modules with the wireless
- Set the mode of inspection and start the imaging process.
A wireless communication link can be used to remotely control the source and the imaging process. In that case, the wireless connection is between PC based Control and Processing Unit and external X-Ray source controller and allows remote control of the X-Ray generator linked to its external x ray source controller.

◆ Application

he Portable X-Ray Inspection System PR-7500 PSS is used by security services to assess suspicious objects in mass transit systems (air sea, land, rails), as well as on the premises of governmental and industrial sites, offices buildings, prison, court, etc.