FATEH SCAN

Tel: +98 21 910 31 987
Sale.FatehScan@Gmail.com

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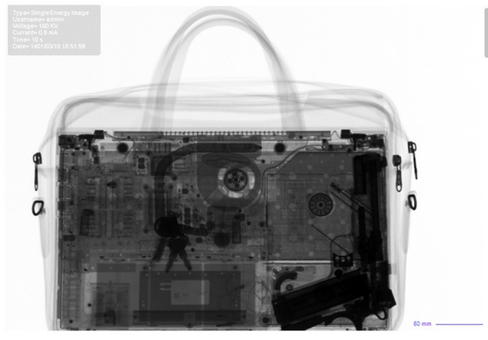
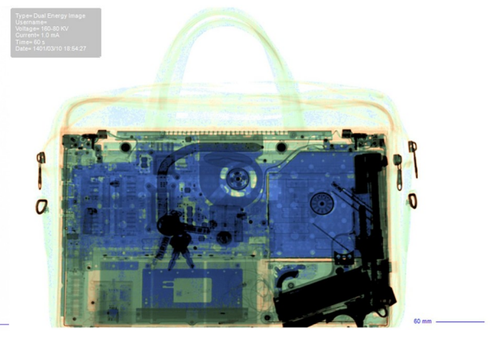
Designer & Man. of Innovative X-Ray Systems





Portable X-Ray Inspection System

PX120S/D*

Introduction

The PX120S/D* digital imaging device is an inspection assist system that can display X-ray images of bags or packages. This device is made of an X-ray generator and a detector panel. The unique features of this device are portability and the possibility of wireless shooting. Using the software of this device, the user, while identifying the suspicious package, can check the contents inside it.

Applications

- Inspection of suspicious packages
- Character protection
- Protecting sensitive places
- Airports and security teams
- EOD

Features

- Speed of scanning operations
- Large size of active area
- Powerful and multilanguage UI
- Low dose leakage
- Stable wireless connection
- Single and dual* energy imaging
- Material discrimination*

Technical Specifications

Detector Panel	
Wire Detection	39AWG (40AWG*)
Spatial Resolution	0.8mm (0.4mm*)
AcquisitionTime	10s~60s
Panel Dimensions	850*550*50mm
Active Area	600*400mm
Power Supply	3Ah Li-ion Bat.
Connection	WiFi, LAN
Operating Temp.	-10~+45 C
Penetration	20mm (steel)

X-Ray Generator	
Voltage (kV)	40~120
Current (mA)	0.2~1
Power Supply	3Ah Li-ion Bat.
Connection	WiFi, LAN
Operating Temp.	-10~+45 C

Software	
Output Extension	JPEG, PNG, Exlc.
Exposure Type	SE (DE*)
Image Processing	Invert, Emboss, Pseudo, Focus, Rotate, Histogram, Annotation

* Optional Features

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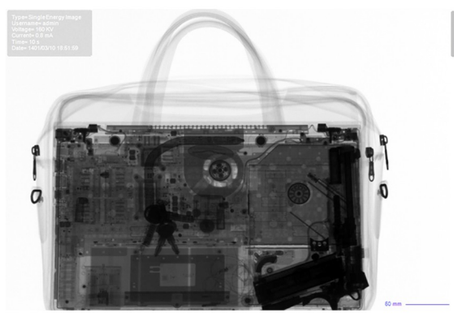
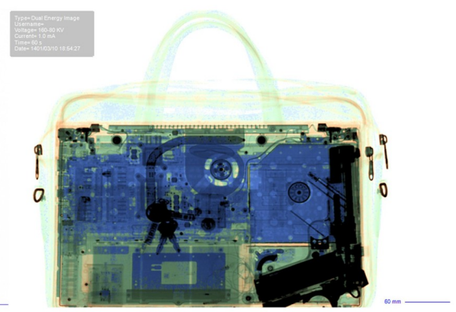
PX120N





Portable X-Ray Inspection System

PX120N

Introduction

The PX120N X-ray digital imaging device has different capabilities from the 120S/D model, which can be noted for the low weight and thickness of the detector and the possibility of installing it both horizontally and vertically. The new design of the generator in the form of a cube with the property of lower weight and easy to carry, has made this product the center of attention of many experts.

Applications

- Inspection of suspicious packages
- Character protection
- Protecting sensitive places
- Airports and security teams
- EOD

Features

- Speed of scanning operation
- Large size of active area
- Powerful and multilanguage UI
- Low dose leakage
- Stable wireless connection
- Flexible installing and utilization
- Compact casing and low weight

Technical Specifications

Detector Panel	
Wire Detection	39AWG, 40AWG*
Spatial Resolution	0.8mm, 0.4mm*
AcquisitionTime	10s~60s
Panel Dimensions	810*430*30mm
Active Area	600*400mm
Power Supply	3Ah Li-ion Bat.
Connection	WiFi, LAN
Operating Temp.	-10~+45 C
Penetration	20mm (steel)

X-Ray Generator	
Voltage (kV)	40~120
Current (mA)	0.2~1
Power Supply	3Ah Li-ion Bat.
Connection	WiFi, LAN
Operating Temp.	-10~+45 C

Software	
Output Extension	JPEG, PNG, Exlc.
Exposure Type	SE / DE*
Image Processing	Invert, Emboss, Pseudo, Focus, Rotate, Histogram, Annotation

* Optional Features

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Portable X-Ray Inspection System

PX160D

Introduction

The PX160D digital imaging device provide a radiographic image of the weld of a tube, pipe or other parts. Distinctive features of this device care maximum X-ray output energy and less detector thickness and weight. This device allows the user to provide digital radiography of oil and gas transmission lines online. Also, the user can check the existence of welding defects, corrosion, cracking and porosity by using software and special image processing algorithms of this system.

Applications

- D-Radiography of industrial welds
- Detection of pipe corrosion
- Quality control of casting
- Non-destructive testing
- EOD

Features

- real time welding quality review
- Large size detector
- Powerful and native software
- Low dose leakage
- Stable wireless connection
- Single and dual energy imaging
- image processing algorithms

Technical Specifications

Detector Panel	
Wire Detection	39AWG, 40AWG*
Spatial Resolution	0.8mm, 0.4mm*
AcquisitionTime	10s~60s
Panel Dimensions	810*4300*30mm
Active Area	600*400mm
Power Supply	3Ah Li-ion Bat.
Connection	WiFi, LAN
Operating Temp.	-10~+45 C
Penetration	35mm (steel)

X-Ray Generator	
Voltage (kV)	80~160
Current (mA)	0.2~1
Power Supply	3Ah Li-ion Bat.
Connection	WiFi, LAN
Operating Temp.	-10~+45 C

Software	
Output Extension	JPEG, PNG, Exlc.
Exposure Type	DE
Image Processing	Invert, Emboss, Pseudo, Focus, Rotate, Histogram, Annotation

* Optional Features

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Portable X-Ray Inspection System PX120BP

Introduction

The PX120M / BP* X-ray digital imaging device is one of the most widely used portable devices in the world, which is the best choice for digital radiography of the injured in earthquake-stricken areas or military operations due to its low volume and weight and the placement of all its equipment in a suitcase or backpack*. It is therefore a powerful tool for mobile medical, rescue and veterinary teams.

Applications

- Rescue and relief teams
- Forensic medicine
- Sports teams physician
- Animal and veterinary radiography
- NDT

Features

- Single package carrying case/bag*
- Small and light detector panel
- Powerful and multilanguage UI
- Low dose leakage
- Stable wireless connection
- Single and dual* energy imaging
- Tablet PC included

Technical Specifications

Detector Panel	
Wire Detection	39AWG, 40AWG*
Spatial Resolution	0.8mm, 0.4mm*
AcquisitionTime	10s~60s
Panel Dimensions	420*290*40mm
Active Area	300*200mm
Power Supply	3Ah Li-ion Bat.
Connection	WiFi, LAN
Operating Temp.	-10~+45 C
Penetration	20mm (steel)

X-Ray Generator	
Voltage (kV)	40~120
Current (mA)	0.2~1
Power Supply	3Ah Li-ion Bat.
Connection	WiFi, LAN
Operating Temp.	-10~+45 C

Software	
Output Extension	JPEG, PNG, Exlc.
Exposure Type	SE, DE*
Image Processing	Invert, Emboss, Pseudo, Focus, Rotate, Histogram, Annotation

* Optional Features

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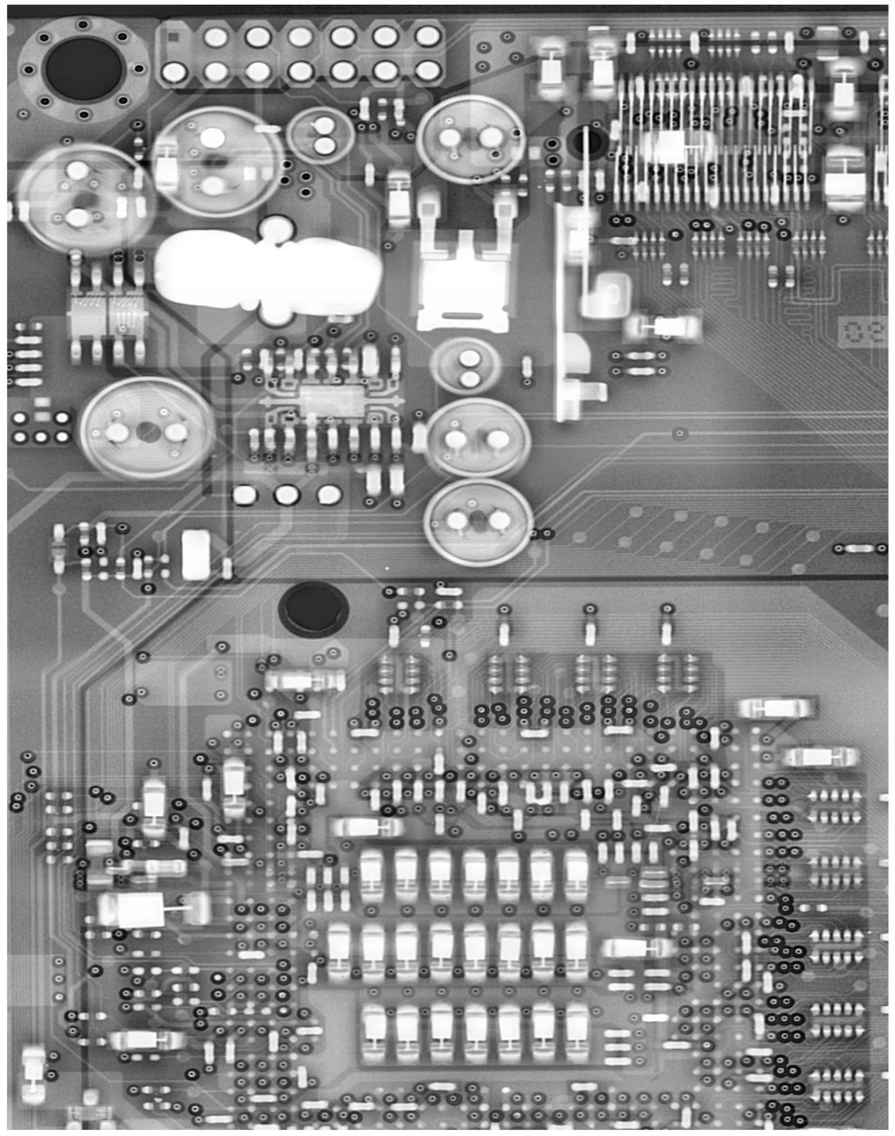


X-Ray PCB Inspection System

PCB14

Introduction

PCB X-ray inspection nowaday is a necessity on modern PCBs to reduce the risk of industrial sabotage. With this device, using X-ray digital imaging technology, the hidden layers of the board and components can be inspected without damaging the electronic and logical function of it.

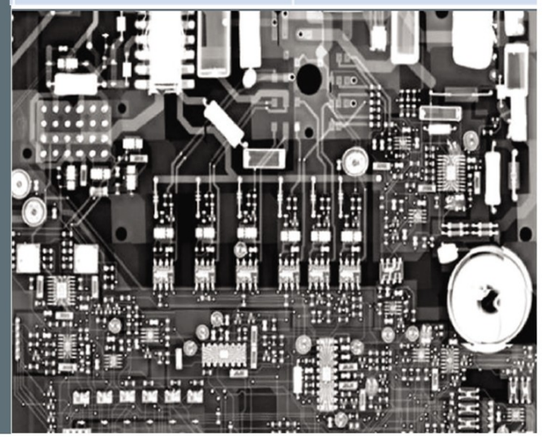
Applications

- Inspection of PCB components
- PCB reverse engineering
- Detection of defective parts
- Multi-layer PCBs analysis
- Solder anomalies detection

Features

- Quick imaging procedure
- Locating PCB in a lead box
- Zero radiation leakage
- Quick and easy setup
- Image merging algorithms

Technical specifications	
Max Voltage	100KV
Max current	1mA
Power	100W
Focal spot size	0.1mm
Technology	FPD,CCD
Active area	200mm*300mm
Max resolution	30 µ
PC CPU	Core I5
Monitor	15 “

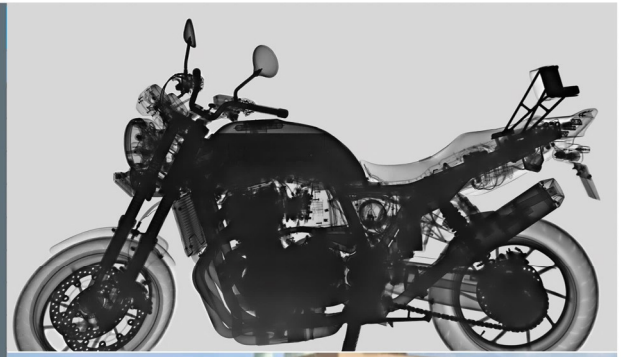


Slider (extender) System

PXT-SLD

Introduction

PXT-SLD system provides imaging capability of objects, larger than 60*40cm in 1 single scan. Using this tool makes the active area of the device up to 6 times larger. This system can connect to different types of detector panels.



Applications

- Customs control
- IED disposal
- Large packages inspection
- Aircraft wing quality control
- Ship hull welding quality control

Features

- Self-standing, portable
- High-quality mosaic image output
- Fully battery operated
- Wireless connectivity capability
- Ease on movement

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Laser Doppler Vibrometer

FS - LDV

FS – LDV 1400

Introduction

Laser vibrometers are used in many applications such as automotive, aerospace, parts quality control, civil engineering, medicine and many more. In laser vibration measurement, it is possible to quickly and accurately (in micro and nano scales) measure vibration, displacement, velocity and acceleration of a surface or fluid remotely non-destructive and non-contact.

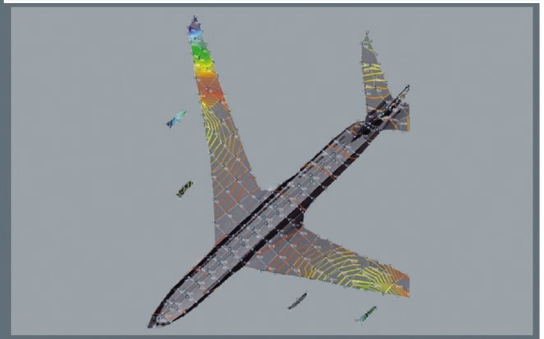
Applications

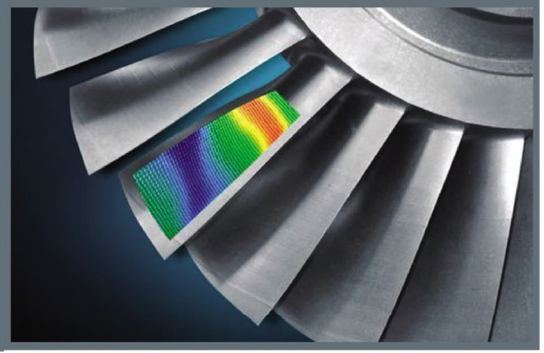
- Automobile ind. quality control
- Aerospace ind. quality control
  Power Plant Industries
- Archaeological Surveys
- Security care and monitoring

Features

- Noise reduction algorithms
- Standoff distance up to 150 m
- Different wavelengths
- Quick and easy setup
- Moisture and dust resistant
-

Technical specifications of device	
Laser Source	He-Ne, Fiber*
Wavelength	623.8 nm, 1550 nm*
Maximum output power	2 mW, 30 mW*
Maximum effective range	50 m, 150 m*
Modulation frequency	40 MHz, 200 MHz*
Power supply	220 VAC





* Optional Features

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Tel: +98 21 910 31 987
Sale.FatehScan@Gmail.com