



**FATEH SCAN**

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## 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\*

\* Optional Features

### 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

Check with confidence



**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 multilingual UI
- Low dose leakage
- Stable wireless connection
- Flexible installing and utilization
- Compact casing and low weight

\* Optional Features

### Technical Specifications

Detector Panel	
Wire Detection	39AWG, 40AWG*
Spatial Resolution	0.8mm, 0.4mm*
Acquisition Time	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

Check with confidence



## 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

\* **Optional Features**

### Technical Specifications

Detector Panel	
Wire Detection	39AWG, 40AWG*
Spatial Resolution	0.8mm, 0.4mm*
Acquisition Time	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

Check with confidence



## 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

\* Optional Features

### Technical Specifications

Detector Panel	
Wire Detection	39AWG, 40AWG*
Spatial Resolution	0.8mm, 0.4mm*
Acquisition Time	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

Check with confidence



**PXT-SLD**

## 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

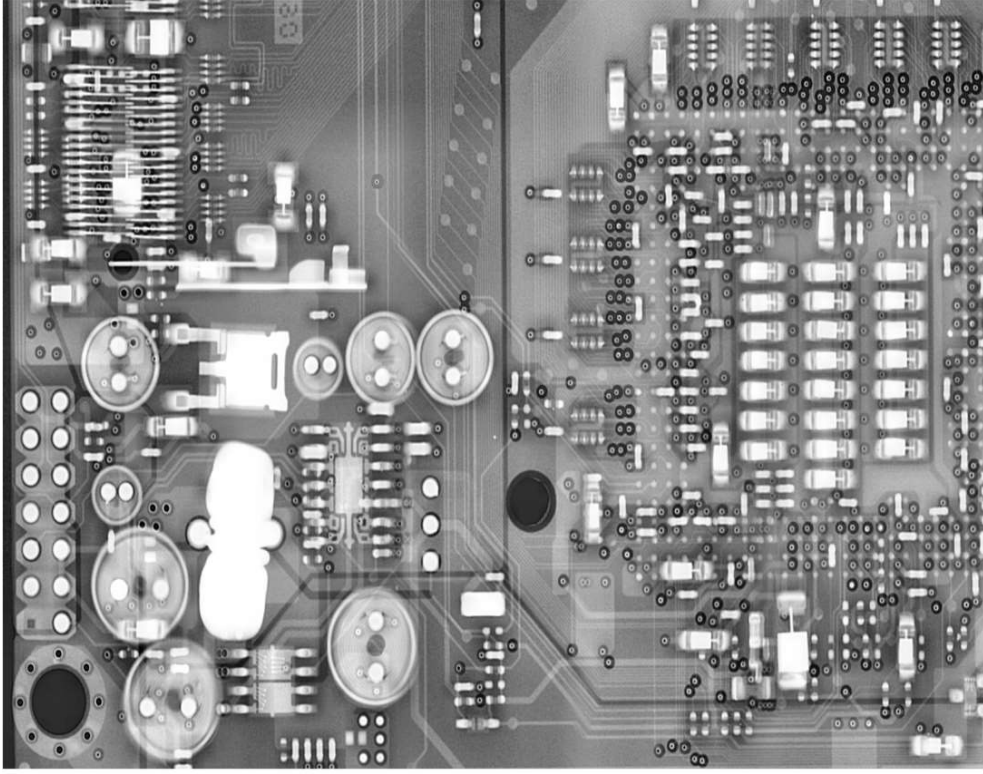
- Customs control
- IED disposal
- Large packages inspection
- Aircraft wing quality control
- Ship hull welding quality control

### Features

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



Check with confidence



## X-Ray PCB Inspection System

### PCB14

#### Introduction

PCB X-ray inspection nowadays 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

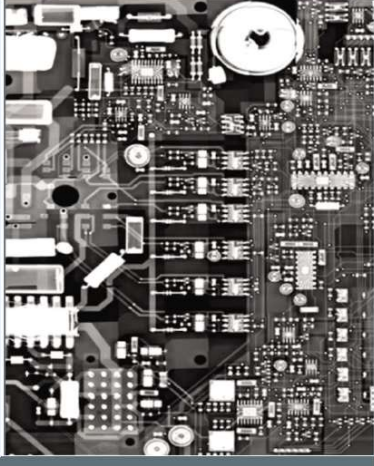
- Inspection of PCB components
- PCB reverse engineering
- Detection of defective parts
- Multi-layer PCBs analysis
- Solder anomalies detection

#### 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 "



Check with confidence

# Laser Doppler Vibrometer

**FS - LDV**

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

**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

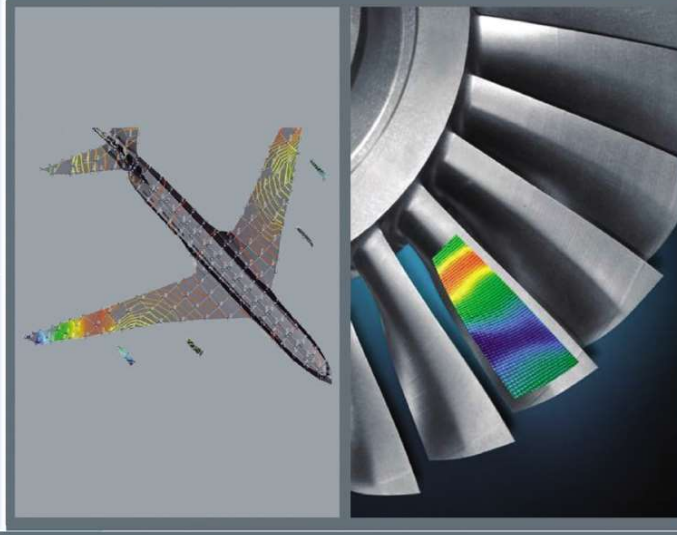
- Automobile ind. quality control
- Aerospace ind. quality control
- Power Plant Industries
- Archaeological Surveys
- Security care and monitoring

## Features

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



**FS - LDV**



\* Optional Features

Check with confidence





## WF-K6 Handheld Signal Jammer














- High-power multi-band handheld jammer
- Total RF output power up to five watt
- Separate switch for each band
- Simple battery replacement
- Inside cooling fans and heat sink
- Could use in vehicle directly with car charger



Model Number: WF-K6		
Type	Output Port	Radius range
Type A Europe and Middle East Market	GSM900	5-20M (depending on the mobile service provider's network condition)
	GSM1800	
	3G	
	WiFi, 2.4Ghz	
	LTE4G, 2.600	
Type B American and Asia Market	GPSL1	5-20M (depending on the mobile service provider's network condition)
	LTE4G, 700	
	CDMA800	
	GSM1900	
	3G	
	WiFi, 2.4Ghz	
GPSL1		1500-1600 MHz
Power supply: AC110-240V 12V		Built-in Battery: 3000mAh
Dimension with antennae cover: 230mm *83mm *55mm		



### P30 Industrial Endoscope

-  4.3in screen
-  2600 mAh
-  Dual lens
-  IP68 waterproof (Only for lens)
-  8+1 LED
-  HD 1080P
-  -Focal length: 4~500mm
-  -Durable up to 3 hours
-  -Micro SD slot up to 32GB
-  -2/5/10m hose cable
-  -Dual camera view capability



### P90 Anti-shock LED Flash Light

- Metal casing
- 480mAh Li-ion battery
- Variable focal length
- USB charging capability
- Flux: 1000 lumen
- Light color: white (moon light)
- Illuminating modes: 4 types
- Final range: 500m
- Equipped with safety hammer



High power LEDs



On/Off button



USB Charging



Safety hammer



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Leading in Design & Manufacturing of  
Innovative Digital X-Ray Imaging Systems

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