

Product highlights

- Relatively small dimensions and lightweight of the system
- Autonomous power supply
- Complete wireless connection, can be used to remotely control
- Powerful imaging software
- Friendly multilingual interface
- Operators don't need massive training



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;
- 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.

Physical Specifications	
Unit weight (kgs)	x-ray source: 13.3; detection box: 9.6 kgs
Unit size (mm)	x-ray source: 545(L)*185(W)*205(H); detection box: 553(L)*85(W)*376(H)
after packed in wooden	
Gross weight (kgs)	28.5
Packing size	#1: 620*223*256cm
	#2: 640*125*454cm

General Specifications	
Penetration	60mm Alu. Plate, 6-8mm steel plate
Scanning Area	420*300 mm
Wire Resolution	dia 0.0787mm copper wire (AWG40)
Penetration Resolution	dia 0.203mm copper wire under three-step aluminum wedge 9.5mm, 15.9mm, 22.2mm
Spatial resolution:	dia1.0mm, Vertical: dia1.0mm
Wifi transmission distance	30m above

Detection box	10W
Rechargeable battery	no less than 6600mA

X-ray Generator (single)	
Anode Voltage	80 -120 kv
Anode power	0.5-1mA (adjustable)
Cooling / Duty Cycle	Oil Cooling /100%
Power Consumption	0.12 KVA

Image System	
Multi-energetic distinguish	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.

Operating Environment	
Operation temperature/Humidity	-10°C-45°C / 5%-85%(non-condensing)
Storage Temperature/Humidity	-40°Cto 70°C / 5%-85%(non-condensing)
Operation Power	220VAC(±10%) 50±3Hz (Optional: 100VAC,110VAC,120VAC,200VAC)
Battery	Built in nickel-metal hydride battery

Computer and other	
Monitor	High Resolution Color, LCD Accord, 14inch
Hard Disk	SEAGATE 500G 3.5"
Processor	Intel M 1.7 GHz

Compliance	
International	<ul style="list-style-type: none"> * ISO19001 ; ISO14001 ; OHSMS18001 ; * CE * USA FDA * Maximum X-ray leakage of less than 5 μSv/h(0.5mR/h) measured at 5cm from any external surface. (European standard - less than 1 μSv/h(0.1mR/h) measured at 10cm from any external surface)

National (China)	<ul style="list-style-type: none">* Health Inspection Report* Computer Software Copyright Registration Certificate* Software Product Registration Certificate* Radiation Safety Certificate from Ministry of Public Security* Quality Certification from Safety and Police Electronic Products Quality Inspection Center* Design patent certification: Patent No. : 201020700245.2 ; Patent No. : 201020700245.8 ; Patent No. : 201020700256.0
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