

### BRIEF INTRODUCTION

Aventura XRP-0300 portable x ray inspection system with smaller volume, light weight and can be carried conveniently. The total weight is less 22kg. It can be used at the cramped space or need to move continually. It can inspect the weapons, narcotic drugs, packages, vehicles, explosive etc. which are hidden in the packages, vehicles or office materials. It can be widely used in explosion-proof security inspection, criminal technology investigation, mobile inspection and anti-drug, and sampling inspection of small factories.

### APPLICATION SCOPE, SCENE

1. Police officers and military field personnel at the sense of security inspection, explosive disposal, reconnoiter, to check on suspicious objects (gun equipment, drugs, daggers) identify the illegal and dangerous materials (explosives, explosive timing devices, fire-arms) Increase the efficiency of law enforcement personnel and reduce the risk factor of law enforcement personnel.
2. Forensic autopsy, check for foreign objects in the body, easy to remove foreign object in the muscles, clear orientation.
3. Non-destructive testing in the industrial sector, such as aluminum castings, manifolds.
4. Security inspections by the security department, customs, post and telecommunications departments.

### OPERATIONAL PRINCIPLE

The X ray which is generated by the x ray source penetrates the inspected object, getting the image from the detection panel, then transmits the image to the PC to display and process.

### MAIN FUNCTIONS AND FEATURES

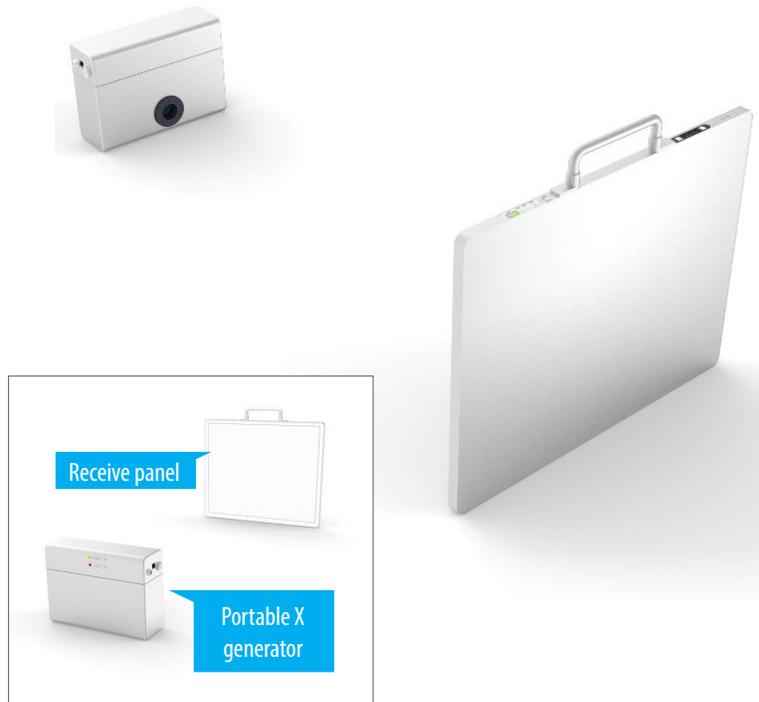
1. With ultrathin detection panel, less 15mm thickness.
2. With large image 430mm X 350mm, inspect a bigger package only need one-time penetration.
3. High detection efficiency, can greatly reduce the radiation dose.
4. The X-ray detection panel can be adjusted arbitrarily according to the shape of the detected object. It can be placed for positive, side, flip, tilt and down.
5. Equipped with high-power high-performance lithium-ion battery, charging once, can detect 600 pieces suspected bags.
6. Powerful image processing software that captures X-ray perspective images in real time and provides powerful professional digital image processing.
7. Both AC and DC power supply can be supported. 24 hours continuous use after connecting 220V/110V power supply.
8. The system can work normally under harsh environments such as strong light.

### BASIC PARAMETERS

Tube voltage	30 Kv -120Kv
Tube current	0.3mA—1mA adjustable
penetration	25mm steel 60mm aluminum
Dimension	245mm x 80mm x 184mm
Weight	5.9KG

### LAPTOP PARAMETERS

Resolution	1920×1080 15"
OS	WIN10
CPU	Intel i5
graphics card	2G Independent
Hard Disk	1T



### DETECTION PANEL

Image pixel	140 μm
spatial resolution	3.6LP/mm
Imaging time	1S-3S
Imaging size	430mm×350mm
work environment	5-40 °C,10-75% RH
Dimension	380×460×15 mm
Weight	3.7KG
Power consume	20W