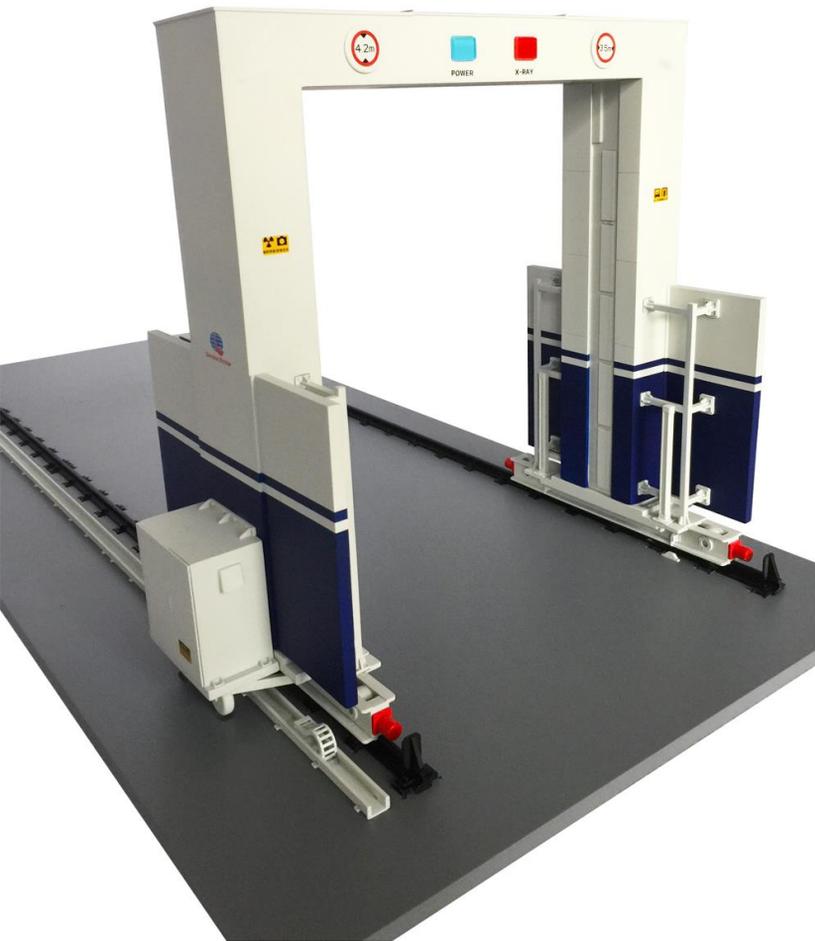# AT2910 Cargo & Vehicle Inspection System

It is mounted on a fixed conveyor rail of the floor, which can move the scanner automatically, the inspected vehicles can stay still and waiting for the scanning, without drivers or passengers inside

AT2910 is designed as a passenger vehicles security screening system, to help quickly detect dangerous goods and contraband hidden in the vehicle, such as weapons, explosives, drugs, smuggled goods, etc.

When the driver and passengers outside the cars, free from radiation, the scanning system move on the rail to scan. It may equip 200KV or 320 KV x-ray generator on the side and L-shaped detectors, providing high penetration, optimized viewing angle and high definition images

AT2910 is used to scan car, bus, box vehicle, etc at the entrance of the parking lot and important government buildings, road traffic checkpoints, customs, border inspection ports, and big event venues.

The system can be flexibly constructed according to customer requirements and conditions of the installation site.

It can be integrated with License Plate Recognition System, real-time video and real-time capture to meet different project requirements.

Mobile scanning: Mobile design to move the scanning system on rail without a driver to drive the vehicle.

Small footprint: The construction area of AT2900 is very small, and no additional base construction is needed.

Dual-energy imaging: AT2910 can perform automatic substance identification, which can distinguish between organics, inorganic matters and difficult-to-penetrate metal objects. It helps operators quickly identify a variety of dangerous items.

Automatic License Plate Recognition(ALPR) option: According to different customer needs, we can integrate automatic license plate recognition.

AT2910 Cargo & Vehicle Inspection System

Tunnel size	3 (W) * 3 (H) m (can be customized)
Scanning speed	0.2m/s
Steel penetration	50 mm by 200KV, 70mm 300KV
Spatial resolution	Vertical 2mm/Horizontal 1.3mm
X ray dose per inspection	<7.2 µSv by 200KV
X ray leakage	<5 µSv/h, anywhere 10m away from the generator of the system
Noise	<65dB(A) , anywhere 1m away from the system
Detector shape	High resolution L-shaped detector line
Safety standard	Meet the requirements of GB15208.0-2005
Power consumption	Maximum 4KVA
Console	24-inch display
Film Safety	Guarantee ASA/ISO1600 Film
X-ray generator	200KV, sealed oil cooling, optional 320KV
Ray direction	From side
Computer and other Monitor	
Console CPU RAM Hard Disk	One 24-inch LCD monitor, 1920*1080
Keyboard	A console which can lock the display and keyboard
Platform	Intel (R) i3(R)3.3GHz
Operating Environment	4GB 2T
Operation	Special designed Windows 7 or Windows 10
temperature/Humidity Storage	5ºC- 45ºC/ 10%- 90% (non-condensing)
temperature/Humidity	-25ºC- 50ºC/ 10%- 95% (non-condensing)
Operation Power	AC220V ± 20%, 50~60Hz ±3Hz

Imaging system

• Operator uses password to login.

• Checked vehicle information list, data query, user management, real-time curve, playback, etc.

• Image function: color / black and white, increase, over increase, reverse color, highlight / darken, Color I black and white imaging,local enhancement, super enhancement, reverse color, organic stripping, inorganic stripping, brightening, darkening, zoom in / out (1-64), etc.

• Real-time video; real-time capture (Option).
Computer and other Monitor Console CPU RAM Hard Disk Keyboard Platform Operating Environment Operation temperature/Humidity Storage temperature/Humidity Operation Power

AT2910 Cargo & Vehicle Inspection System

5000

2500

3000

4750

4200

4000

18 International rail

225.92 37 detector boards blind area

476 36 36 35 boards

490.19

904.47

3500

2550

140

380

X-ray generator