

# AT10080B



## General Specification

- Resolution 40 AWG (dia>0.079mm Copper Wire)
- X-ray Leakage <math><0.45 \mu\text{Sv/h}</math> at a distance of 5mm from external housing
- Inorganic level: 0.1mm to 12mm steel (blue color)
- Mixture level: 1mm to 60mm aluminum (Green color)
- Material distinguishes: PVC in green, Nylon 6 in orange.
- Film Safety: Guarantee ISO1600 Film
- Dose per Inspection <math><1.8 \mu\text{Sv}</math>
- Spatial resolutionLevel: Level: dia1.0mm, Vertical: dia1.0 mm
- Penetrate resolution: 32AWG (dia> 0.202mm)
- Gray level1mm to 60mm aluminum step
- Organic level1mm to 120mm Poly methyl methacrylate(Orange color)

# AT10080B

## Image System

X-ray Sensor: L-Shaped Photodiode Array(multi-energetic) , 12bit Deep  
Image Processing: Edge enhancement, image strengthening,image lightening,reducing darkening, image returning,image retrieval.  
Image Grey Level: 4096  
Image Max Resolution: 1024 \* 1280 pixel  
Image Processing: 24bit for processing real time  
Image storage: Storage 60000 pictures in real time  
Zoom: 32 Times Enlarge, Whole screen continuousobservation  
Multi-energetic distinguish objects: organic objects in orange, inorganic objects in blue, mixture in green  
High-energy/low energy : switch from high energy tolow energy  
Assist to detect explosive powder

## Installation Data

Operation temperature/Humidity:0°C-45°C/20%-95%(non-condensing)  
Storage Temperature/Humidity:-20°C-60°C/20%-95%(non-condensing)  
Operation Power: 220VAC(±10%)50±3Hz  
Power Consumption: 1.0 KW (max),1.0KW(working)  
Noise: <58db

## Hardware

Roller engine (German brand: INTERROLL)  
Computer: Brand GRANTECH.Intel G41 ATX board, VGA/DVI-D/2\*INTELGIGA\_LAN/AUDIO,SUPOORT P4, CORE 2, CORE 4, Seagate 3.5" 500G, ST3500418AS7200, 16M SATAII, E3400 CORE 2, 2.6g 45nm, 1MHZ L2 CAHE,FSB 800MHz, 2G, Kingstong DDR3 1333MHz 240PIN  
Detector Brand: Qipan  
Monitor: High Resolution Color, LCD, 17inch

## X-ray Generator

Generate direct: Downward  
Generate angle: 80 degree  
Anode Voltage: 100~160Kv  
Anode power: 0.4 to 1.2mA  
Cooling / Duty Cycle: Oil Cooling /100%

## Remarks

1mR/hr=8.7μGy/hr  
1mR/hr=10μ Sv/hrL