



General specifications

PHYSICAL SPECIFICATIONS

Weight	≤5.6kg
Size	288 * 185 * 246.7 mm (including handle)
Penetrating ability	It can penetrate homogeneous steel plates with a thickness of no more than 5mm, and can display organic substances such as plastic blocks in a high-contrast form.
Tube voltage	140kV/10W
Detection capability	Explosives and improvised explosive devices, drugs, liquids, organic substances
Scanning speed	≥15cm/s
Image method	Real-time imaging
Radiation dose	Directly behind the equipment, at a distance of 5 cm from it, the surrounding dose equivalent rate is ≤ 0.2 μSv/h
Display screen	8-inch LCD color touch screen, with image resolution of 1920*1208-inch LCD color touch screen, with image resolution of 1920*120
Maximum scanning time	30s
Working environment	Temperature: 0 - 40°C, Humidity: ≤ 93%RH
Battery life duration	≥4h

Product Introduction

The MTC-HBX8000 handheld backscatter X-ray imager is a device that uses X-ray backscatter technology to conduct imaging and detection of the internal structure of the inspected objects. It has strong penetration capabilities and can perform high-sensitivity, rapid, non-destructive imaging and inspection without contact. It can efficiently detect suspicious items such as explosives, drugs, controlled knives, pistols, and smuggled goods, which are prohibited and dangerous items. With an integrated design, it is easy to carry and can effectively meet the inspection requirements for various tasks such as security checks, bomb detection, drug control, and confidentiality. It can also be widely applied in places such as customs investigation, borders, ports, and important gatherings.

*Product Features:

- Small in size, with single-side imaging, suitable for areas such as walls, vehicle bodies, cabin interiors, and furniture compartments; It can also be used in certain narrow spaces at special locations;
- Compact in size and lightweight, easy to hold with one hand;
- Low radiation, causing little harm to the human body;
- Strong penetration ability, up to 140KeV, capable of penetrating 7mm thick steel plate;
- Easy to operate and flexible, can freely control the scanning path and range.