

**COMPACT AND EASY-TO-USE DESKTOP X-RAY
INSPECTION SYSTEM FOR QUICK AND EFFECTIVE
SCREENING OF HAND BAGS AND PARCELS**



**X-RAY
BAGGAGE
INSPECTION**

BV 5030CA

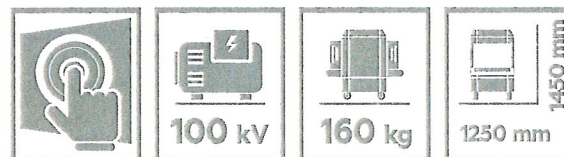
Weighing 160 kg and having an ergonomic design the BV 5030CA can be easily relocated through most doorways and deployed even in restricted space areas without any need for special equipment or staff

The unique touch screen interface based on advanced software tools provides easy, quick and effective operation

Automatic outlining of dangerous objects considerably reinforces accountability and consistent threat detection

The innovative technologies implemented in the/ BV 5030CA enable accurate detection of metal and organic objects, weapons, explosives, liquids, narcotics, contraband etc.

The BV 5030CA is a self contained solution intended to significantly improve checkpoint security without any negative effect on the operational process and throughput



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Specifications

Tunnel dimensions (WxH)	532 x 332 mm
Conveyor speed	0,22 ± 0,03 m/s
Load on the conveyer	Max 75 kg
Generator	160 kV operating at 100 kV
Angle of radiation	77 Degrees
Steel penetration	14 mm
Wire detectability	40 AWG
Dual-energy detector	Yes
Number of colors within the X-ray image	4
Dimensions (LxWxH)	Max 1250 x 695 x 790 mm
Weight	160 kg

List of software features available to an operator

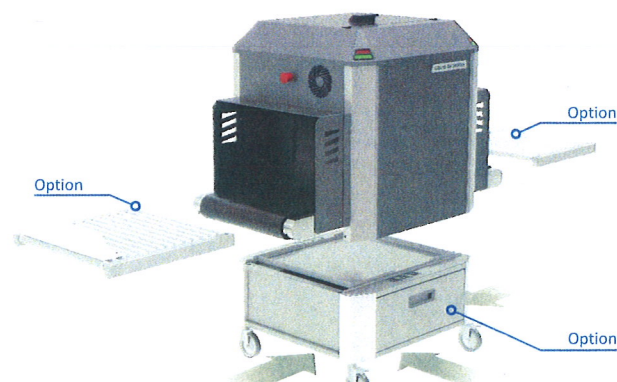
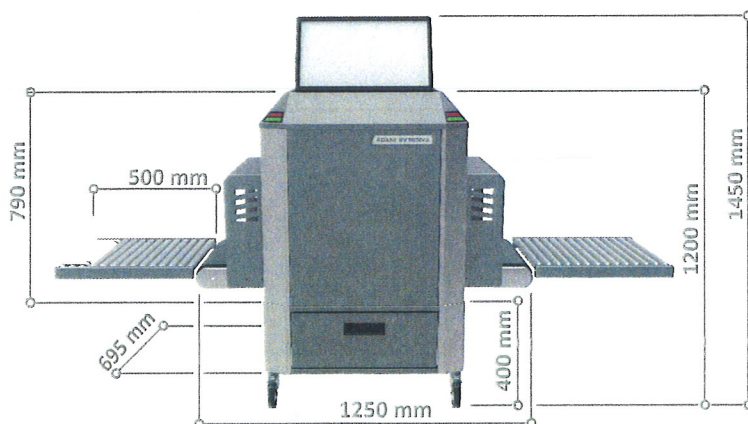
- ▶ High density objects alarm feature
- ▶ Outlining of dangerous objects (which could be identified as drugs, explosives or weapons)
- ▶ Highlighting of objects with calculated atomic numbers of 7, 8, and 9 intended to assist operator with threat detection
- ▶ Threat Image Projection function
- ▶ Pseudo-coloring of images
- ▶ Contrast adjusting of strongly absorbing objects
- ▶ Gamma-correction of images
- ▶ Images inversion
- ▶ Optimization of the overall contrast: combination of edge enhancement and local contrast enhancement algorithms
- ▶ Zooming in (up to 96x)
- ▶ Quick system start-up (about 10 sec)
- ▶ Image scrolling

Installation requirements

Operating temperature	from 0° to + 40 °C
Humidity	up to 90%

Power Supply	110/230 VAC ± 10%, 50/60 Hz
Power Consumption	Max 0,6 kVA

- ▶ Compact and movable conveyor-type system for contact-free inspection
- ▶ Cost-effective solution lowering your expenses for security staff training
- ▶ Complete customization - from the external design to extended functional capabilities
- ▶ Optional cart or roller tables for easy relocation
- ▶ Simple, multi-language and user-friendly touch screen interface at 18,5" monitor with resolution not less than 1766 x 768
- ▶ Display racking mechanism helping to articulate display and secure the touchscreen under a tamper-proof cover
- ▶ Image archiving feature with on-board or networked data storage
- ▶ The image review function provides an effective and quick secondary image check
- ▶ Large set of image processing tools for simple and extensive manipulations
- ▶ Remote diagnostic software



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