

OPTIMAL SOLUTION
FOR QUICK AND ACCURATE INSPECTION
OF PARCELS, SMALL AND MID-SIZE BAGGAGE



X-RAY BAGGAGE INSPECTION SYSTEMS

BV 6045

The BV 6045 is a reliable, optimal and cost-effective security solution which provides enhanced threat and contraband detection capabilities. The system is intended to make security screening process effective, fast and automated.

Due to its optimal tunnel size, the system can be used at any facilities and within any application scenario. It does not require any additional security infrastructure and can be easily relocated as appropriate.

High image quality in combination with advanced image processing tools and threat detection assistance software allows the operator to quickly and effectively evaluate any luggage content without any negative impact on throughput capacity.



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CRITICAL INFRASTRUCTURE**



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KEY FEATURES

- ▶ COST-EFFECTIVE SOLUTION
- ▶ PROVEN RELIABILITY
- ▶ SIMPLE INTERFACE
- ▶ AUTOMATIC IDENTIFICATION OF SUSPICIOUS OBJECTS
- ▶ AUTOMATIC GUN DETECTION SOFTWARE
- ▶ MULTILANGUAGE INTERFACE
- ▶ QUICK START-UP AND SHUTDOWN
- ▶ THE FAULT-TOLERANT CONFIGURATION OF THE SYSTEM

OPTIONS

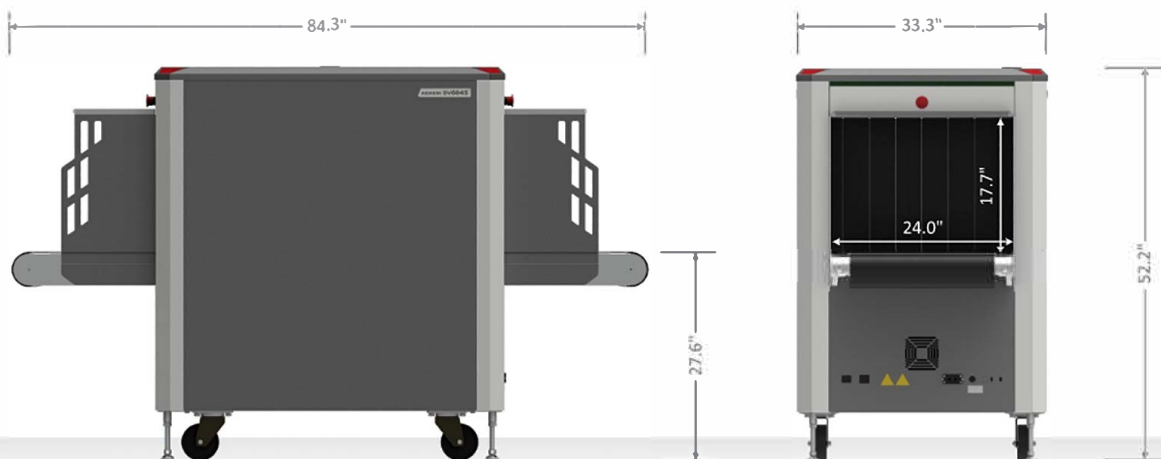
- ▶ ENTRY / EXIT ROLLERS OF VARIOUS LENGTH
- ▶ OPERATOR'S DESK
- ▶ SET OF TEST OBJECTS
- ▶ TWO MONITORS FUNCTIONALITY
- ▶ TOUCHSCREEN OPERATION
- ▶ UNINTERRUPTIBLE POWER SUPPLY

Specifications

Tunnel dimensions (WxH)	24.0" x 17.7"	
Conveyor speed	0.49 ± 0.06 mph	
Load on the conveyer	397 lbs	
Anode	Standard 140 kV /High 160 kV	
Steel penetration in high mode	GUARANTEED 1.42"	TYPICAL 1.46"
Wire detectability	40 AWG	
Dual-energy detector	Yes	
Number of colors within the X-ray image	7 and 3	
Dimensions (LxWxH)	84.3" x 33.3" x 84.3"	
Weight	904 lbs	
Power Supply	230 V AC± 10% / 120 V AC± 5%, 50/60 Hz	
Power Consumption	Max 0,9 kVA	
Operating temperature	from 32 to 104 °F	
Humidity (at + 35 °C)	up to 98%, non condensing	

List of software features available to an operator

- ▶ Automatically calibrating and normalizing the X-ray detector
- ▶ Highlighting optically dense objects
- ▶ Adjusting contrast of strongly absorbing objects
- ▶ Inverting images
- ▶ Gamma-correction of images
- ▶ Optimizing the overall contrast
- ▶ Coloring substances with atomic numbers from a selected range
- ▶ Pseudocoloring of images
- ▶ Displaying organic objects with atomic numbers equal to 7, 8, and 9
- ▶ Displaying substances according to a selected range of signal strength
- ▶ Zooming images up to 96x
- ▶ Automatically saving X-ray images in archive
- ▶ Browsing the image (JPEG format) archive
- ▶ Copying images on external storage media
- ▶ Threat Image Projection (TIP)
- ▶ Counting inspected baggage
- ▶ Real-time self diagnostics



Compliant with standards for cabinet X-ray systems (USFDA, Center for Devices and Radiation Health, 21-CFR 1020.40) Typical radiation leakage is less than 0.1 mR/hr (1 μSv/hr) (Leakage less than 0.5 mR/hr permitted by the Federal Standard) Guaranteed even for high speed films up to ISO 1600 (33 DIN)



Authorized Representative in EU/EC



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With continual development of our products ADANI reserves the right to make changes to the design and specifications at any moment and without notice.