

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



## PREVENTIVE DETECTION SYSTEMS

### BV 5030CA

BV 5030CA can be easily relocated through most doorways and deployed even in restricted space areas without any need for special equipment or staff because of its ergonomic design and light weight.

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

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

BV 5030CA implements the innovative technologies and enables accurate detection of metal and organic objects, weapons, explosives, liquids, narcotics, contraband etc.

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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# X-RAY BAGGAGE INSPECTION SYSTEMS

BV 5030CA

## KEY FEATURES

- ▶ COMPACT SIZE AND LIGHT WEIGHT
- ▶ MAXIMUM EASE OF OPERATION
- ▶ RETRACTABLE TOUCHSCREEN
- ▶ SAFETY
- ▶ COST-EFFECTIVE SOLUTION
- ▶ PROVEN RELIABILITY
- ▶ SIMPLE INTERFACE
- ▶ REAL-TIME SELF-DIAGNOSTICS
- ▶ AUTOMATIC IDENTIFICATION OF SUSPICIOUS OBJECTS
- ▶ AUTOMATIC GUN DETECTION SOFTWARE
- ▶ MULTI LANGUAGE INTERFACE
- ▶ QUICK START-UP AND SHUTDOWN
- ▶ THE FAULT-TOLERANT CONFIGURATION OF WORKSTATION

## OPTIONS

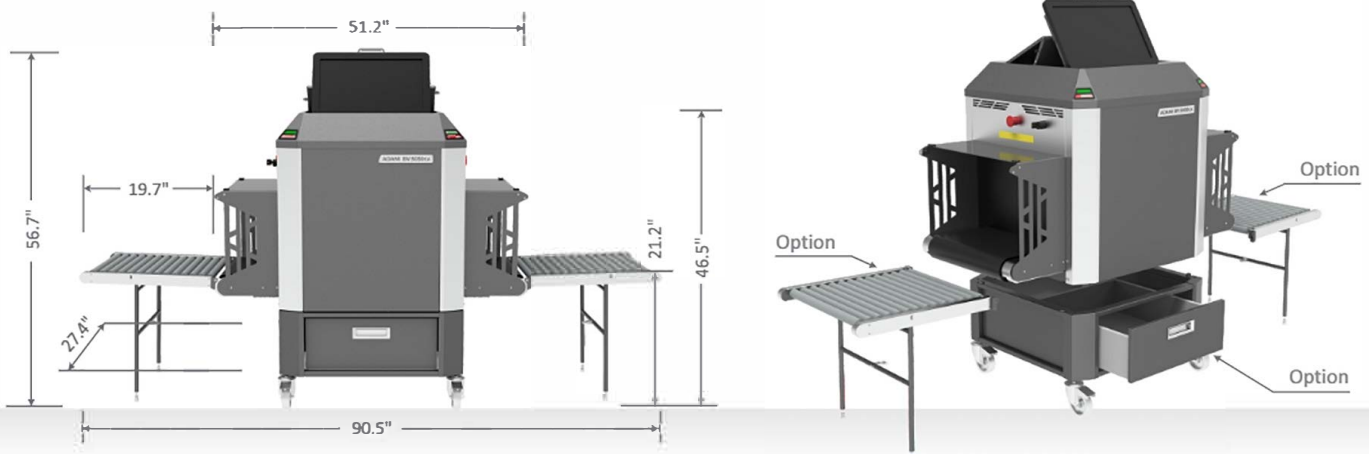
- ▶ ENTRY / EXIT / ROLLERS OF VARIOUS LENGTH
- ▶ TROLLEY
- ▶ OPERATOR'S DESK
- ▶ MONITOR DISLOCATION POSSIBILITY
- ▶ TWO MONITORS FUNCTIONALITY
- ▶ TOUCH SCREEN OPERATION
- ▶ SPECIALIZED KEYBOARD
- ▶ SET OF TEST OBJECTS
- ▶ UNINTERRUPTIBLE POWER SUPPLY

## Specifications

Tunnel dimensions (WxH)	20.9" x 13.0"	
Conveyor speed	0.49 ± 0.06 mph	
Load on the conveyer	165 lbs	
Anode voltage	100 kV	
Steel penetration in high mode	GUARANTEED	TYPICAL
	0.55"	0.63"
Wire detectability	40 AWG	
Dual-energy detector	Yes	
Number of colors within the X-ray image	7 and 3	
Dimensions in (LxWxH)	Max 48.8" x 27.4" x 28.0"	
Weight	353 lbs	
Power Supply	230 VAC ± 10% / 120 VAC ± 5%, 50/60 Hz	
Power Consumption	Max 0,6 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

- ▶ High density objects alarm
- ▶ 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 (TIP)
- ▶ Pseudocoloring 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 30 sec)
- ▶ Image scrolling



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.