

### SMALL AND ADVANCED X-RAY INSPECTION SYSTEM FOR QUICK AND EFFECTIVE CONTACT-FREE INSPECTION OF SMALL BAGS, BRIEFCASES AND BACKPACKS

This compact but powerful security solution can easily detect weapons (including plastic and ceramic blades), explosives (even liquid explosives), drugs, primers and any other dangerous and forbidden objects.

# BV 5030



**SCHOOLS AND  
UNIVERSITIES**



**BORDER CROSSINGS  
TRANSPORTATION  
FACILITIES**



**SECURITY  
CHECKPOINTS  
CORRECTIONAL  
FACILITIES**



**GOVERNMENTAL  
BUILDINGS COURT  
HOUSES**



**BANKS  
HOTEL COMPLEXES**



**CRUISE SHIPS  
CRITICAL  
INFRASTRUCTURE**

BV 5030 is a small system with huge security protection potential. Due to its compact and ergonomic design, BV 5030 can easily and immediately deploy the X-ray machine in any facility where high-security control is needed.

BV 5030's innovative security screening technology, combined with specially developed software, is intended to acquire, visualize and process digital X-ray images and clearly illustrate the content of the inspected bags and briefcases, thereby avoiding the possibility of carrying in any dangerous or forbidden objects.

Incorporating excellent image quality, small size, and high throughput capacity, the BV 5030 can cover a wide range of security needs, thus becoming an ideal solution for security-sensitive locations with restricted space for the creation of special security infrastructure.

## KEY FEATURES

- ▶ COST-EFFECTIVE SOLUTION
- ▶ OPTIMAL IMAGE QUALITY
- ▶ PROVEN RELIABILITY
- ▶ AUTOMATIC IDENTIFICATION OF SUSPICIOUS OBJECTS (DRUGS, EXPLOSIVES) AND OPTICALLY DENSE OBJECTS HIGHLIGHTING
- ▶ SIMPLE INTERFACE
- ▶ REAL-TIME SELF- DIAGNOSTICS
- ▶ MULTI-LANGUAGE INTERFACE
- ▶ QUICK START-UP AND SHUTDOWN

## OPTIONS

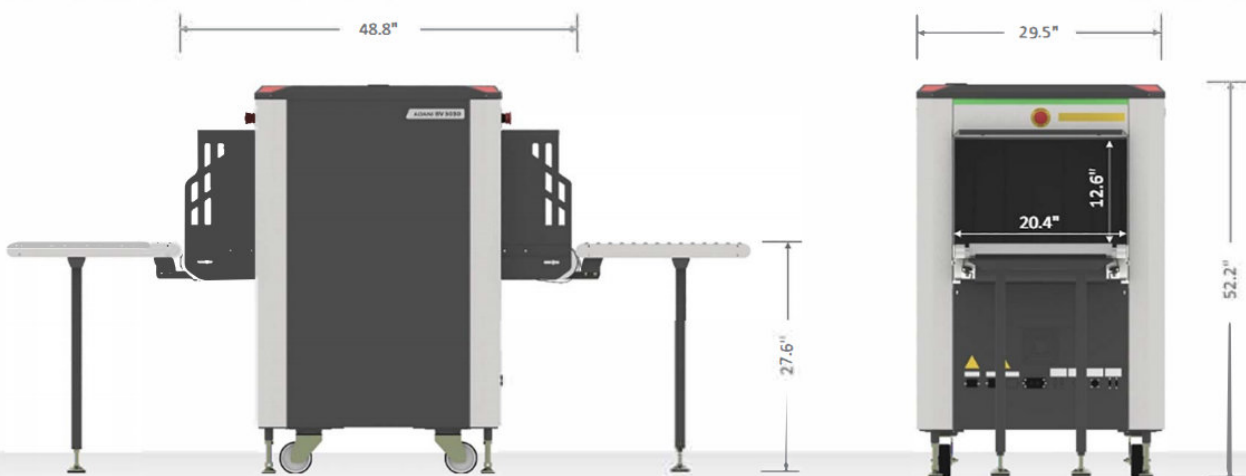
- ▶ ENTRY / EXIT ROLLERS OF VARIOUS LENGTH
- ▶ OPERATOR DESK
- ▶ SET OF TEST OBJECTS
- ▶ TWO MONITORS FUNCTIONALITY
- ▶ UNINTERRUPTIBLE POWER SUPPLY

### Specifications

Tunnel dimensions (WxH)	20.5" X 12.6" 520 mm X 320 mm	
Conveyor speed	0.75 ft/sec.	
Load on the conveyer	Max 160 kg [ 353 lbs ]	
Anode voltage	160 /140/60 KW	
Wire detectability	40 AWG	
Steel penetration in high mode	GUARANTEED 36 mm [ 1.42" ]	TYPICAL 37 mm [ 1.46" ]
Dual-energy detector	Yes	
Number of colors within the X-ray image	7 and 3	
Dimensions (LxWxH)	48.8" x 29.5" x 47.2"	
Weight	794 lbs [ 360.15 kg ]	
Monitor	24" HD Touchscreen	

### 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)
- ▶ Pseudo-coloring of images
- ▶ Contrast adjusting of strongly absorbing objects
- ▶ Gamma correction of images
- ▶ Image inversion
- ▶ Optimization of the overall contrast combination of edge enhancement and local contrast enhancement algorithms
- ▶ Zoom 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) With continual development of our products ADANI reserves the right to make changes to the design and specifications at any moment and without notice.



Authorized Representative in EU/EC



**ADANI SYSTEMS, Inc.**  
13631 Poplar Circle  
Conroe, TX 77304

5731 NW 151 ST  
Miami Lakes,  
FL 33014

Phone: 936-588-2064  
Support: 844-989-6789  
info@adanisystems.com