

X-RAY BAGGAGE INSPECTION SYSTEMS



BV 100100DV



AIRPORTS



SECURITY CHECKPOINTS



BORDER CROSSINGS



CUSTOMS FACILITIES



SEAPORTS

Dual-view X-ray baggage inspection system **BV 100100DV** is designed for baggage, personal property, and small cargo inspection. Featuring identification of substances under their effective atomic number and density, using two different projections and simultaneous analyses of images from both detectors, the **BV 100100DV** increases the detection probability of hazardous and prohibited items dramatically performing the processing with segmentation algorithms, projection, and material analyses.

BV 100100DV meets the requirements of customs facilities, airports, logistics companies, or wherever security screening of heavy packages is required. It guarantees high throughput and effective screening.

KEY FEATURES

- ▶ DUAL-VIEW TECHNOLOGY USER FRIENDLY INTERFACE
- ▶ AUTOMATIC IDENTIFICATION OF SUSPICIOUS OBJECTS
- ▶ MULTILANGUAGE INTERFACE
- ▶ QUICK START-UP AND SHUTDOWN
- ▶ THE FAULT-TOLERANT CONFIGURATION OF THE SYSTEM
- ▶ REAL-TIME SELF-DIAGNOSTICS

OPTIONS

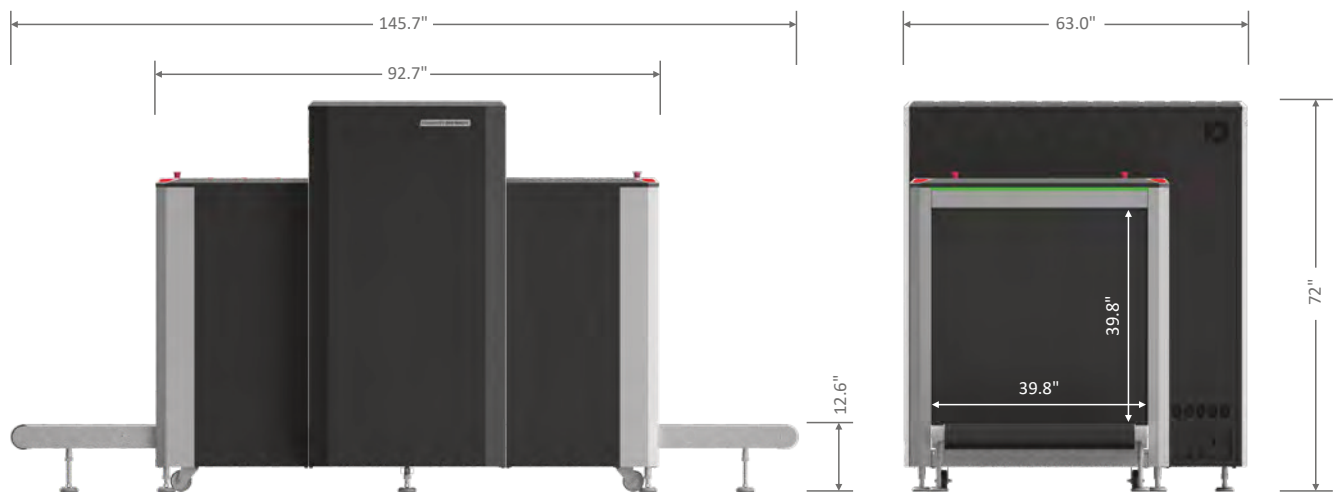
- ▶ ENTRY / EXIT ROLLERS OF VARIOUS LENGTH
- ▶ OPERATOR'S DESK
- ▶ STAND FOR MONITORS AND SPECIALIZED KEYBOARD
- ▶ SET OF TEST OBJECTS
- ▶ TOUCHSCREEN OPERATION
- ▶ RAMP
- ▶ UNINTERRUPTIBLE POWER SUPPLY

Specifications

Tunnel dimensions (WxH)	39.8" x 39.8"	
Conveyor speed	0.49 ± 0.06 mph	
Load on the conveyor	441 lbs	
Anode voltage	Standard 140 kV / High 160 kV	
Steel penetration in high mode	GUARANTEED 1.34"	TYPICAL 1.42"
Wire detectability	38 AWG	
Dual-energy detector	Yes	
Number of colors within the X-ray image	7 and 3	
Dimensions (LxWxH)	145.7" x 63.0" x 71.9"	
Weight	2756 lbs	
Power Supply	120/230 VAC ± 5%, 50/60 Hz	
Power Consumption	1,4 kVA	
Operating temperature	from 32 to 104 °F	
Humidity	up to 90%, 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
- ▶ Counting inspected baggage
- ▶ Preparing service reports



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

Compliant with standards for cabinet X-ray systems (USFDA, Center for Devices and Radiologic 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)