X-RAY BAGGAGE INSPECTION SYSTEMS

ADANI

BV 6045DV

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

CE 1639

- BORDER CROSSINGS
  TRANSPORTATION FACILITIES

- SECURITY CHECKPOINTS
  CORRECTIONAL FACILITIES

- GOVERNMENTAL BUILDINGS
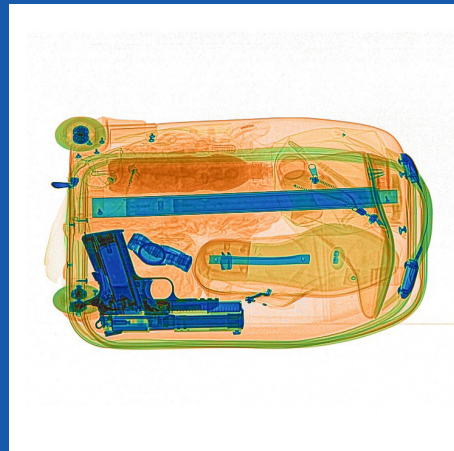 COURT HOUSES

- BANKS
  HOTEL COMPLEXES

- CRUISE SHIPS
  CRITICAL INFRASTRUCTURE

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

Due to its optimal tunnel size, the system can be used at any facility and within any application scenario. No additional security infrastructure is required 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 baggage content without any negative impact on throughput capacity.

ARTIFICIAL INTELLIGENCE SOFTWARE FOR ADANI BAGGAGE INSPECTION

TRANSMISSION X-RAY TECHNOLOGY

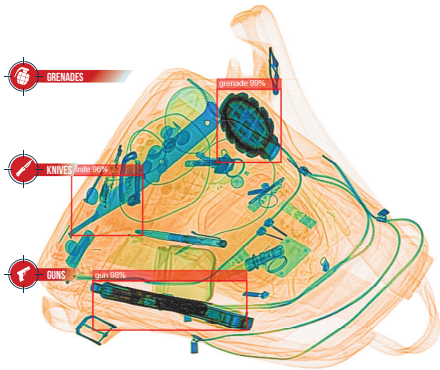AI EYE ARTIFICIAL INTELLIGENCE TECHNOLOGY

KEY FEATURES

- DUAL-VIEW TECHNOLOGY
- SIMPLE INTERFACE
- AUTOMATIC IDENTIFICATION OF SUSPICIOUS OBJECTS
- MULTILANGUAGE INTERFACE
- QUICK START-UP AND SHUTDOWN
- THE FAULT-TOLERANT CONFIGURATION OF THE SYSTEM

OPTIONS

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

ARTIFICIAL INTELLIGENCE SOFTWARE FOR ADANI BAGGAGE INSPECTATION

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.
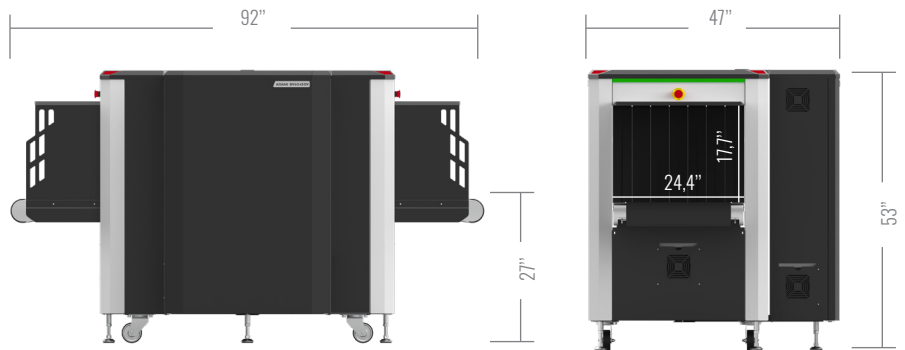
LIST OF SOFTWARE FEATURES AVAILABLE TO AN OPERATOR

- Automatically calibrates and normalizes the X-ray detector
- Highlights optically dense objects
- Adjust contrast of strongly absorbing objects
- Gamma–correction of images
- Optimizes the overall contrast
- Colors substances with atomic numbers from a selected range
- Displays organic objects with atomic numbers equal to 7, 8, and 9
- Displays substances according to a selected range of signal strength
- Zoom images up to 96x
- Automatically saves X-ray images in archive
- Browse the image (JPEG format) archive
- Copies images on external storage media
- Counts inspected baggage
- Real-time self-diagnostics

SPECIFICATIONS

Tunnel dimensions (WxH)	25" x 18"
Conveyor speed	43.3 ft./min
Load on the conveyer	Max 441 lbs
Anode voltage	160 kV
Steel penetration	GUARANTEED 1.42" TYPICAL 1.46"
Wire detectability	0.08 mm (40 AWG)
Dual-energy detector	Yes
Number of colors within the X-ray image	7 and 3 and infinity paletes
Dimensions (LxWxH)	92"x 47."x 53"
Weight	1,764 lbs
Power Supply	230 VAC ± 10% / 120 VAC ± 5%, 50/60 Hz
Power Consumption	less than 1.2 kVA
Operating temperature	from 32 to 104 0F
Humidity	up to 95%, non condensing

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0564-SA31082020