



BV 100100DV

ESPECIALLY DESIGNED FOR QUICK,
ACCURATE AND HANDSFREE
INSPECTION OF BAGGAGE
AND SMALL CARGO



The BV 100100DV a high-resolution, dual view X-ray baggage inspection system with the ability to automatically detect prohibited objects and threats.

The dual-view system means that the operator can simultaneously view two separate images (in perpendicular orientation), thus giving a more complete view of the object being scanned and reducing the need for repositioning and rescanning. This enables rapid, accurate and comprehensive threat detection.

The tunnel with a width of 1010 mm and a height of 1010 mm is optimal for inspection of baggage, luggage, small cargo and other items. The System may be used at inspection points of critical infrastructure facilities, law enforcement and security agencies, customs, border guards, event centers, sports arenas, and other places where reliable and uninterrupted operation of inspection systems is required.

The BV 100100DV enables the identification of weapons, explosives, drugs and any other dangerous or prohibited items. Unique colour palettes and touch control provide an exceptional level of operator efficiency.

KEY FEATURES

Dual-view technology

The automatic identification of suspicious objects (drugs, explosives)

Availability of 7, 3 colour and infinite colour palettes of images

The fault-tolerant configuration of the acquisition/analysis workstation

Quick start-up and shutdown

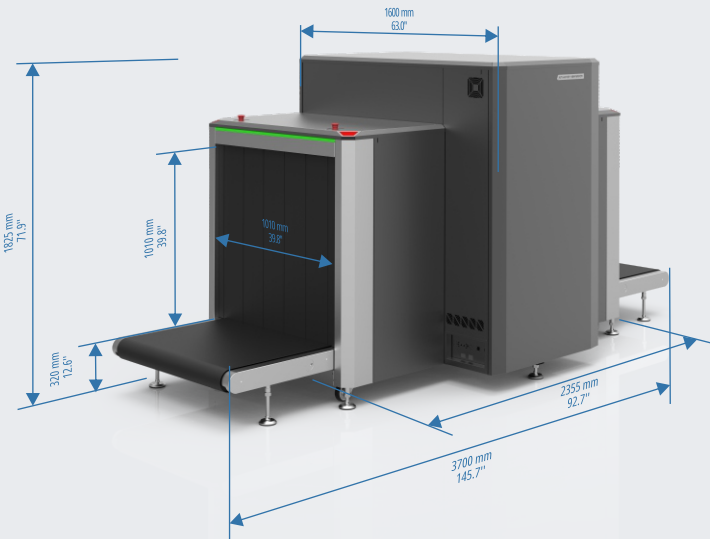
BV 100100DV

OPTIONS

- Touchscreen operation functionality
- Ability to connect to a local network
- Remote operator position (up to 25 m)

ACCESORIES

- Roller tables with a length that is multiples of 0.5 m.
- Operator's desk with chair
- Operator's Workstation Stand
- Test objects kit
- Ramp



GENERAL SPECIFICATIONS

DIMENSIONS

| TUNNEL DIMENSIONS | |
|--------------------------|--------------------|
| width | 1010 mm [39.8 in] |
| height | 1010 mm [39.8 in] |
| OVERALL DIMENSIONS (MAX) | |
| width | 1600 mm [63.0 in] |
| height | 1825 mm [71.9 in] |
| length | 3700 mm [145.7 in] |
| WEIGHT (MAXIMUM) | 1350 kg [2980 lbs] |

CONVEYOR BELT

| | |
|---|-----------------------------|
| Maximum distributed load on the conveyor belt | 200 kg [441 lbs] |
| Conveyor height | 320 mm [12.6 in] |
| Conveyor speed | 0.22±0.03 m/s [43.3 ft/min] |

X-RAY SOURCE

| | |
|----------------|----------------------------------|
| Anode voltage | 160 kV |
| Beam direction | Diagonally downward & d/sideward |

X-RAY DETECTOR

| | |
|---------------------------------------|---|
| Detective ability for copper wire | 0.1 mm (38 AWG) |
| Penetration on steel | 34 mm guaranteed 36 mm typical |
| Spatial resolution, line pairs per mm | 1.5 in the direction of scanning 1.0 along the detector |

POWER SUPPLY

| | |
|-------------------|----------------------------|
| Line voltage | 230 VAC ± 10%/120 VAC ± 5% |
| Line frequency | 50/60 Hz |
| Power consumption | Max 1.4 kVA |

ENVIRONMENTAL REQUIREMENTS

| | |
|-----------------------------|---------------------------|
| Operation: | |
| - Ambient temperature | 0 °C to +40 °C |
| - Maximum relative humidity | Up to 90%, non-condensing |



Examples of Images with Automatic Threat Detection by the AI Software System