



DTP 7500/320DV

DUAL ENERGY DUAL-VIEW VEHICLE AND CARGO X-RAY INSPECTION SYSTEM



DTP 7500/320DV is an innovative solution for full inspection of passenger cars, vans, buses and heavy trucks. It provides X-ray inspection of vehicles with two projections (one downward with 320kV X-ray source, and two lateral - with both 7.5MeV and 320kV X-ray source).

Three imaging sources significantly improve the detection capabilities and eliminating "the blind zones" of an inspected vehicle: low-energy allows to obtain detailed screening of cabin, High-energy provides a high penetration for dense materials.

A dual-energy technology with automatic colour coding and material discrimination allows distinguishing organic, non-organic materials and metals, and helps to highlight all dangerous and prohibited items and objects hidden inside the vehicles.

The system helps to prevent illegal human trafficking, contraband and detect illegal drugs, weapons, explosives and other prohibited and dangerous objects.

KEY FEATURES

Innovative drive-through scanning technology

Dual energy technology with color-coding

Dual-view technology

All type of vehicles are scanning in a single portal

DTP 7500LV

APPLICATION



SECURITY CHECKPOINTS



BORDER CROSSINGS



MILITARY FACILITIES



CRITICAL INFRASTRUCTURE



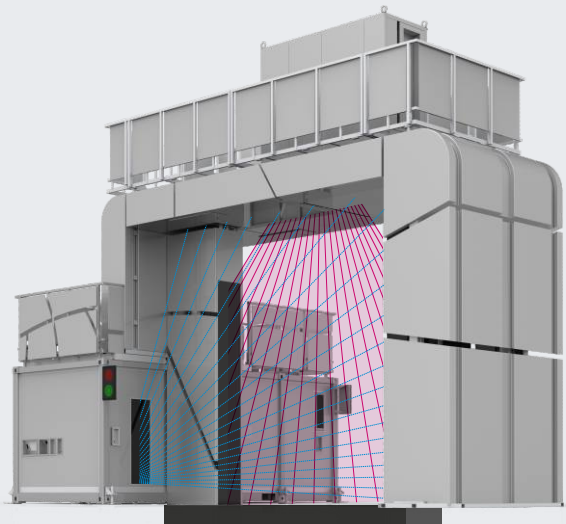
TRAFFIC CONTROL



SEA PORTS

OPTIONS

Weather package from - 30 °C to +55 °C
Automatic number plate recognition system (ANPR)
Module for operator (control room) with A/C and workstations
Remote station for image analysis
Uninterruptable power supply for the whole system
Integrated radiation portal monitor (IRPM)
Under vehicle inspection system (UVIS)
Diesel generator



GENERAL SPECIFICATIONS

High-energy X-ray source	Betatron
Nominal energy	7.5 / 5.0 (MeV)
Steel penetration	320 mm
High-energy beam direction	Lateral
Low energy X-ray sources	X-ray tubes
Low-energy X-ray generator anode voltage:	
X-ray source 1	320 (keV)
X-ray source 2	320 (keV)
Steel penetration	60 mm
Low-energy beam direction:	
X-ray source 1	Downward
X-ray source 2	Lateral
Dimension of inspection tunnel (WxH)	3.5 m x 4.7 m
Scanning speed	5-15 km/h
Operating temperature	from - 20 °C to +50 °C
Operating humidity	up to 90 %
Maximum dose to driver (no cabin scan)	<0.1 μSv/scan

