

# ScanVan 100100 PRO

## MOBILE X-RAY INSPECTION SYSTEM



### Feature Highlights

- Ram ProMaster® 1500 Cargo Low Roof with Front Wheel Drive, 6-speed Automatic Transmission & Electronic Stability Control and Roll Mitigation
- Integral HI-SCAN 100100 PRO X-ray Inspection System
- Foldable conveyor allows easy item handling
- Penetration up to 35mm steel
- Wire detectability AWG 38
- Reverse Mode conveyor mode enabled

Built on a Ram ProMaster® 136" wheelbase platform, ScanVan 100100 PRO features a built-in HI-SCAN inspection system which provides high-quality X-ray material discrimination and image penetration. HI-SCAN 100100 PRO software applications allow image review capability, image enhancement tools and full storage capability.

ScanVan 100100 PRO enables fast, flexible and easy-to-set-up security checkpoints, and can be used where space is restricted due to its overall compact size and low roof height. Highly maneuverable, ScanVan 100100 PRO can be operated without a commercial license.

Its X-ray tunnel size is 100 cm x 100 cm to accommodate various size bags, boxes and other items. It utilizes a powerful motorized conveyor to ensure high throughput of items up to 200-kgs (441 lbs). It comes standard with a operator's cabin equip with HCVA controls.

ScanVan 100100 PRO is powered by either an external supply or its onboard generator for continuous power supply.

## General Information

<b>Chassis</b>	Ram ProMaster® 1500 Cargo Van w/Low Roof
<b>On-board Genset</b>	85.5 kW
<b>Tunnel dimensions</b>	1010 (W) x 1010 (H) (mm) or 39.7" (W) x 39.7" (H)
<b>Max. object size</b>	1000 (W) x 1000 (H) (mm) or 39.4" (W) x 39.4" (H)
<b>Gross Vehicle Weight</b>	less than 11,500 pounds
<b>Overall Body</b>	approx. 2.1m (82.7") [W] • 2.3m (91.0") [H] • 5.4m (213.1") [L]
<b>Ground Clearance</b>	approx. 0.16m (6.24")
<b>Conveyor Height</b>	approx. 0.85m (32")
<b>Conveyor Length</b>	approx. 3.0m (118.1")
<b>Conveyor Speed</b>	approx. 0.2 (m/s) @ Mains Frequency of 50/60 Hz
<b>max. conveyor load even distributed over the whole conveyor</b>	200 kg (441lbs)
<b>Resolution</b>	standard: 36 AWG (0.13 mm) • typical: 38 AWG (0.1 mm)
<b>Penetration (steel)</b>	standard: 35 mm • typical: 37 mm
<b>ASTM 792-08 (Test 1, Test 3, Test 4)</b>	Test 1: AWG 32 / Test 3: 1.6 mm horz./1.3 mm vert. / Test 4: 30 mm
<b>External dose rate/Inspection</b>	≤ 2 μSv (0,2 mrem)
<b>Film safety</b>	guaranteed up to ISO 1600 (33 DIN)
<b>Duty cycle</b>	100 %, no warm-up procedure required

## Truck Chassis

<b>Model</b>	Ram ProMaster® 1500 Cargo Van w/ Low Roof, 3.6-Liter V6 24 Valve VVT Engine, Front Wheel Drive, 6-Speed Automatic Transmission, Medium Duty Suspension, Redundant Emergency Backup Battery, Power Rack & Pinion Steering, Traction Control and GPS Navigation
<b>Exterior</b>	White, Engine Block Heater (Optional), Back-up Camera, 180-Amp Alternator, Redundant Battery System, 16" x 6" Steel Wheels w/Full Size Spare, 24-Gallon Fuel Tank, 260 Degree Opening Rear Hinged Doors and Sliding Rear Side Doors
<b>Interior</b>	Air Conditioning, 4-Way Adjustable Driver & Passenger Cloth Bucket Seats, Seating for 2 Passengers w/ 38.8" Leg Room and 74.8" Shoulder Room, Power Windows, Telescoping Steering Column, 12-Volt Outlet and USB Port (Charging Only)
<b>Safety</b>	Advanced Airbags, Supplemental Front Seat Mounted Side Airbags and Side Curtain Front Airbags, Speed Limiter (Dealer Activated), Electronic Stability Control & Roll Mitigation, Tire Pressure Monitoring Display and 4-Wheel Antilock Disc Brakes
<b>Air Conditioning</b>	Manual Temperature Control for Driver's Cab and Automatic Temperature Control of HI-SCAN 100100 PRO 5.5kW On-board Generator w/120 VAC ±10%, Single Phase, 60Hz, 50ft AC Power Cord

## Image Generating System

<b>X-ray converter</b>	L-shaped detector line
<b>Grey levels stored</b>	4096
<b>Image presentation</b>	B/W, color
<b>Digital video memory</b>	256 Mbit
<b>Image evaluation functions</b>	VARI-MAT, O <sup>2</sup> , OS, HIGH, HI-SPOT, SEN, XPlore, Opti-Zoom, HDA, electronic zoom: stepless enlargement up to 64-times
<b>Monitor</b>	Flat Panel LCD Monitor

## Additional Features

<b>Functions</b>	fading-in of date/time, luggage counter, user id-number, luggage marking system (acoustic), display of operating mode, REVIEW-feature (to recall previously visible image areas), zoom overview, free programmable keys, USB 2.0 interface, stepless zoom, IMS (Image Store System - stores up to 100,000 images)
<b>Options</b>	X-ACT, HI-TIP, Xport, High Density Alert (HDA)

## Installation Data

<b>X-ray leakage</b>	meets all applicable laws and regulations with respect to X-ray emitting devices.
<b>CE-labelling</b>	in compliance with directives 2004/108/EC, 2006/42/EC, 2006/95/EC
<b>Sound pressure level</b>	< 70 dB(A)
<b>Operating- / storage temperature</b>	0° - 40°C / -20°C - +50°C (optional)
<b>Humidity</b>	10% - 90% (non-condensing), 100% (optional)
<b>Power supply</b>	standard: 220 VAC - 240 VAC +10% / -15% • 50 Hz / 60 Hz ± 3 Hz
<b>Power consumption</b>	approx. 1.0 kVA

For product information, sales or service, please go to [www.smithsdetection.com/locations](http://www.smithsdetection.com/locations)

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