



FeelSafe SDX 5030™



-  **ADVANCED TECHNOLOGY**
-  **EXTREME RELIABILITY**
-  **EXCEPTIONAL VALUE**

Security- Need of the Hour

Given the recent increase in terrorist activities globally and the growing awareness of preventive security measures, we believe that any location where people congregate, would need to build security measures to ensure their own business viability. We have already started seeing installation of baggage scanners at nearly all government installations and this trend is slowly but steadily spreading to the private sector too, with large hotels, malls, multiplexes and even high end residential complexes putting security solutions in place.

To this end, Evolve has developed baggage scanning solutions, with some unique features to address the Indian environmental conditions. These include built in dust resistant housing modules for key components, cooling zones to account for higher environmental temperatures and some productivity enhancing customizable features like direct SMS based supervisory alerts and image capture of the owner of the baggage.

Evolve, India's first indigenous DXIIS manufacturer, has launched the ETS3107 – SDX Series of Digital X-Ray Baggage Scanners, which bring together advanced technology and extreme reliability to provide the users with optimal security solutions.

The ETS3107 – SDX Series of Digital X-Ray Baggage Scanners incorporate the world's best technologies with capabilities to detect prohibited inorganic and organic materials like weapons, explosives, narcotics, etc. and is mated to Evolve's SafeView software which uses 6 color images for display and automated marking of suspicious objects to enhance the operator's ability to identify suspicious objects.



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The scanners are built in a state-of-the-art manufacturing facility and meet the most stringent requirements with regards to product strength and structural integrity. They have been subjected to rigorous testing in challenging conditions and extreme environments.

The design of the ETS3107 – SDX Series of Digital X-Ray Baggage Scanners gives topmost priority to the prevention of X-Ray radiation leakage with operator safety being the fundamental guideline. The machines meet all X-Ray Safety Regulations as stipulated by the Atomic Energy Regulatory Board of India.

The ETS3107 – SDX Series of Digital X-Ray Baggage Scanners have been developed to address various needs and are available in 5030, 7555, 100100, Isometric imaging (3D view), Vehicle Mounted X-Ray Baggage Scanner options.

Features:

- Advanced multi energy X-Ray Imaging
- User friendly image review-unlimited
- High-resolution 22" LED IPS color monitor
- Bi-directional scanning
- 64X User- selectable zoom
- Organic/ inorganic Stripping
- Manual archiving of images
- Variable Edge-enhancement imaging
- Variable Image function
- Baggage counter
- Date & Time Display
- High Density Detection,
- Previous Image Viewing
- Variable Color Striping
- Variable contrast
- Hi-SPOT
- Crystal Clear
- Negative / Inverse video
- Explosive, Narcotics, Detection.
- Automated Image archiving-upto 2,00,000 images.
- Black and white viewing
- Variable Gamma
- Configurable Image Processing Keys
- Search Indicator
- Emergency Stop Switch
- Safety interlock design



Optional Features:

- Entry Exit rollers (0.5m, 1m, 1.5m, 2 m)
- Operator Training Program(OTP)
- Backup UPS for whole system
- Full Diagnostic built in test facility
- Threat Image Projection (TIP)
- Wi-fi enabled
- Density Threshold Alert(DTA)
- Manual Scan
- Threat Image Projection Network(TIPN)
- Network Display Station(NDS)
- Smart card login
- Remote Workstation
- Conveyor Accessories
- Lockable Console Desk

Technical Data

General Specification:

| FeelSafe SDX 5030™ | |
|---------------------------------|---|
| Tunnel Dimensions in mm | 530 mm x 320 mm |
| Maximum Object size in mm | 500 mm x 300 mm |
| Conveyor Speed | 0.2 M/s |
| Maximum Conveyor Load | 160 Kg (Evenly Distributed) |
| Resolution (Wire Detectability) | Std.38 AWG (0.1 mm) Typ.42 AWG |
| Penetration (Steel) | 35 mm |
| X-Ray Radiation Leakage | 0.1 mR/hr |
| Duty Cycle | 100% |
| Through put | 400 bags per hour |
| Conveyor Height | 720 mm |
| X-Ray Generator | |
| Anode Voltage | Maximum 160kV |
| Current | 1.25 mA |
| Cooling | Sealed Oil Bath with Forced Air |
| Beam Direction | Diagonal |
| Image Generating System | |
| X-Ray Converter | L-Shaped Line Array Detector |
| Image Presentation | B/W and Color |
| Image Evaluation function | ETS Safe View |
| Material Separation | Low Z, Medium Z, High Z to 0.5 Z accuracy |
| Monitor | 22 inch LCD IPS monitor |
| Installation | |
| X-Ray Leakage | Meets all applicable laws as per AERB |
| Operating Temperature | 0°C to 50°C |
| Storage Temperature | -20°C to 70°C |
| Humidity (Non Condensing) | 98% |
| Power Supply | Single Phase 230 V-AC, 50Hz |
| Power Consumption | 0.6 kW |
| Dimensions | 1770 mm(L) x 840 mm(W) x 1150mm(H) |
| Approximate Weight | 500 Kg |



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