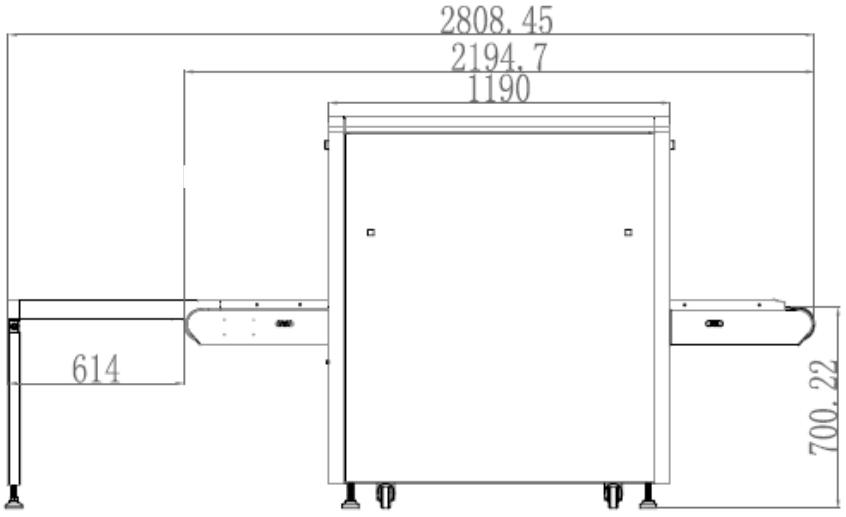
polimek®
CONTROL AND SECURITY SYSTEMS MANUFACTURER

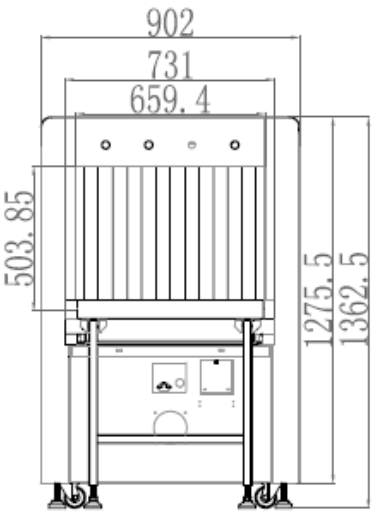
SG-L 6550 A
X Ray Baggage Scanner

Product Highlights

* Linux operation system
* ARM cpu
* Digital signal and processor
* Continuous working 10000 hours above
* Energy saving design
* High penetration
*Good quality images
* One key turn off

Important Size





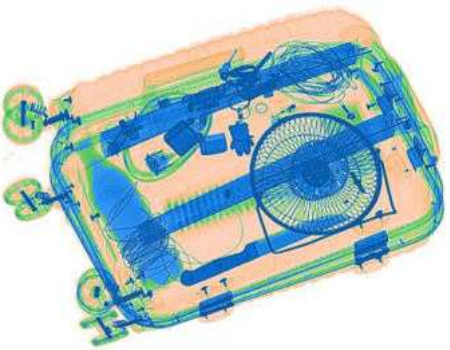
General Specifications

Wire Resolution	: Typical AWG 40
Penetration Resolution	: Typical AWG 32
Spatial Resolution	: Vertical: 1.0mm, Horizontal: 1.0mm
Penetration	: Typical 8 mm
X-Ray Dose Limit Per Inspection	: ≤2.0μSv (uGy)
Leakage Limit	: ≤0.5μSv /hour (uGy/hour)
S/N Ratio	: <60dB
Conveyor Speed	: 0.2m/s
Conveyor Maximum Load	: 150kg
Energy Consumption	: 0.58 KW
Security Performance Requirements	: Meets GB 15208.1-2005 requirements
EMC Requirements	: Meets GB 15208.1-2005 requirements
Electrical Safety	: Meets GB 15208.1-2005 requirements
Environmental Compliance	: Meets GB 15208.1-2005 requirements
Leakage Current	: ≤5.0mA
Film Safety	: ASA/ISO 1600 Film Guarantee
Weight	: 420kg
Operating Temperature/Humidity	: 5℃-40℃ / 0%-90%
Storage Temperature/Humidity	: -20℃-60℃ / 10%-90%
Atmospheric Pressure	: 86kPa-106kPa AC
Operating Power	: 220V (±10%-15%) 50±3Hz
Operating System	: LINUX

Configuration

X-Ray Generator	: Bottom-up 80 KV oil-cooled
Electric Cylinder	: Single-phase
Computer	: Hard disk: 500G, Storage: 1G
Monitor	: 21.5" LED screen resolution: 1280*1024 pixels
Operation Console	: Single-screen console

Scanned Images



Functional Specificaions

Startup Self-Test	: The fault is automatically detected through the self-check function and provides timely fault code information.
Image Processing	: 1-64x continuous zoom, with functions such as Color/Black & White, Negative, High/Low Penetration, Organic/Inorganic Separation, General Enhancement, and Pseudo Color.
Image Recall	: The last 30 images can be recalled.
Stored Image Count	: Automatically stores up to 1000 images.
Real-Time Curve Time	: Can be used to check whether the acquisition system and components are functioning normally.
Adjustment	: System time can be adjusted.
Probe Adjustment	: Manual removal of dead pixels on the low and low-energy detection panel, with removed dead pixels displayed in the designated area.
Beam Source Adjustment	: Two-source and analog source control modes, with adjustable digital source parameters.
Alarm System	: The alarm function can be enabled or disabled, with options to configure the alarm type, sound and light alarm selection, sensitivity, minimum absorption rate, maximum absorption rate, and alarm duration.
Fault Detection	: Can detect whether components such as input and output light barriers, side panel switches, emergency stop switches, and light sources are functioning properly, and display the detection voltage's standard and current values.
Image Settings	: The drum operation control direction and the image display movement direction can be adjusted.
Software Logging	: Can perform software registration and display serial number, registration code, registration status, and system time information.
User Login	: Users can log in by entering different usernames and passwords, but other settings can only be configured after logging in.
User Management	: Usernames and passwords can be added, deleted, or edited, and deleted users can be restored by setting the user level.
Authorization Management	: Different default permissions can be set according to user levels.
Language Settings	: The system language can be switched between Turkish and English.
Log Management	: User operations can be monitored, and user actions can be queried.
TIP Report	: After activating the TIP addition function, a report can be generated based on the TIP operation. The report includes username, number of TIP additions, number of labels, false positive rate, detection probability, and false positive probability.
TIP Management	: The setting for whether hazardous materials should be added can be configured. Identification time, quick time, addition frequency, and the proportion of individual hazardous materials can be adjusted, while TIP files can be added or deleted.
Document Management	: Checked images can be queried, opened, and exported.
Function Setting	: Log levels can be adjusted, file saving time can be configured, training functions can be enabled or disabled, and intelligent cylinder settings can be configured.
Data Setting	: Displays system operating hours, total operating hours of the radiation source, total number of scanned baggage and packages, and the total baggage and package count for the current session, with an option to clear the above data.
System Parameter Setting	: Allows selection of exported data, images, and backup directories, configuration of motor and detector types, enabling or disabling debugging mode, selecting model and gain settings, entering the relevant IP address for network connection to enable the sharing function, and providing the necessary software for system upgrades.

Compatibility

■International ■National	* ISO19001; ISO14001; ISO27001; OHSMS18001; CE, ROHS, FCC, REACH, USA, FDA * Health Inspection Report * Computer Software Copyright Registration Certificate * Software Product Registration Certificate * Radiation Safety Certificate from the Ministry of Public Security * Quality Certificate from the Security and Police Electronic Products Quality Inspection Center * Design Patent Certificate.

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