SIMPLE, OPEN DESIGN

The R&S®QPS quick personnel security scanner transforms people-screening technology with its high-performance, fully electronic and solid-state flat panel design that has no moving parts. The R&S®QPS improves the security screening experience and operations by having a simple, open design for a spacious screening environment and unobstructed view for security personnel, making high-resolution people screening more comfortable and efficient than ever before.

The R&S®QPS provides a compact footprint and open design, while delivering unmatched detection of concealed threats and contraband.

Your task

Security screening operations face the challenge of striking a balance between efficient, effective screening methodology on one hand and space optimization on the other. The design of a security scanner must consider the importance of customer comfort and convenience during the screening process while ensuring effective use of limited space provided for security operations.

Rohde & Schwarz solution

Advanced millimeterwave imaging solution

The R&S®QPS has been designed to support high-volume precision people screening with fewer false alarms and a physical design that allows a more comfortable and dignified screening posture. Utilizing non-ionizing millimeterwave (mmWave) radio technology, the R&S®QPS automatically detects potential threats from both metallic and non-metallic items.

Open design for optimized screening operations

For more than a decade, people-screening technology has presented installation challenges and occupied valuable space. Many systems require individuals to be screened in enclosed, confined spaces that can be uncomfortable. Today, the R&S®QPS, with its visually appealing, space-saving flat panels, can be integrated more efficiently into a range of checkpoint areas, and its open design gives security personnel an unobstructed view of the entire checkpoint. The open design of the R&S®QPS saves critical security space by accommodating wheelchairs, eliminating the need for a separate wheelchair gate. The R&S®QPS panels are mounted on rails in the floor plate that slide inward for maintenance access. These scanners can thus be installed against or close to other security equipment to support security screening in a variety of locations.

The system's compact footprint and high-speed scanning enable rapid, high-volume screening to reduce queues and wait times. A single R&S®QPS scanner with multiple resolution stations can process more than 400 individuals per hour.

The open design of the R&S®QPS provides an unobstructed view of security screening operations.

ROHDE&SCHWARZ

Make ideas real

Increased throughput

Up to four additional resolution stations may be added.

No moving parts

The R&S®QPS is a fully electronic, low-noise solution with no moving parts. Multistatic image processing technology delivers improved 3D resolution of the scanned volume and results in increased speed and an improved level of detection. Accelerated scan time (faster than the blink of an eye) virtually eliminates errors due to passenger movements. The solid-state flat panel design increases reliability and availability and reduces maintenance requirements.

Preserving customer convenience and dignity

To date, people-screening technology has presented challenges, since passengers have to raise their arms high over their heads and enter an enclosed booth to be scanned. The R&S®QPS transforms the screening experience from an undignified, physically demanding process in a confined, intimidating enclosure to one that is easier and more comfortable for a wide range of passengers. The scan pose simply requires passengers to stand between the two panels of the R&S®QPS with arms held slightly away from the sides of the body, allowing elderly and those with reduced mobility to be screened.

The R&S®QPS automatically checks the passenger's standing position and reports any needed correction to the operator.

The R&S®QPS allows a more natural scanning pose and automatically alerts the system operator of improper positioning.
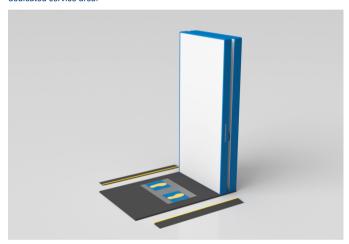
Simple installation and minimal maintenance keep lines moving

The R&S®QPS can be installed, relocated or packed up in less than half a day. Once setup is complete, the system is powered up with a switch on the back of each panel. Within just three minutes of power-up, the system is operational.

Aside from an on-site preventive maintenance check every six months, the system is virtually maintenance-free. Initial setup and commissioning typically take less than three hours, since calibration and configuration setup are performed at the factory.

This focus on ease of installation and maintenance means that the R&S®QPS saves a significant amount of space in security operations.

The symmetric panels slide inwards for maintenance, eliminating the need for a dedicated service area.

The R&S®QPS systems can be installed side-by-side and against a wall with only 10 cm of spacing.

Visit the R&S®QPS Learning Center at
www.rohde-schwarz.com/QPS