



XTE™ Lite

Performance Evaluation
System Acceptance and Scheduled
Maintenance of X-Ray Scanners
150-450keV and tunnel size > 1m x 1m*



Comprehensive Image Performance Evaluation Platform

- Universal Test Platform (Any OEM)
- Independent 3rd Party
- One Pass
- Zero Downtime and Non-Disruptive
Can be scheduled daily, weekly, monthly, quarterly maintenance
- Fast 5-minute Automated Evaluation
Offers subjective and objective testing (using automated evaluation software, XTE™ Unify)
- Easy Loading with Customized Trolley
- Rotatable Mechanism
- ASTM F792 Standard

Dimensions:

XTE™ Lite 1 & Lite 2 955mm x 750mm x 805mm, approx. 75kg

*1mm = 0.039 in, 1m = 3.280 ft, 1kg = 2.204 lbs

Designed, Engineered, & Manufactured by Synergy4Tech Pte Ltd
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9 COMPREHENSIVE TESTS

Test 1 Resolution Test

Image Quality Indicator (IQI) on sharpness and blurring of copper wire images in air and behind concealment.

Test 2 & 3 Material Discrimination Air

Organic test of several thickness of explosive surrogate in air.

Test 4 Contrast Sensitivity

Contrast is the measure of density difference between 2 areas. Easier to distinguish features of interest amongst its surrounding. The lower the sensitivity level the better.

Test 5 Material Discrimination Steel

Contraband and explosive test behind steel concealment.

Test 6 Spatial Resolution

The ability of image system to differentiate between 2 nearby objects. Typical thickness ranges from 2mm to 0.5mm.

Test 7 Material Discrimination

4 types of materials with various thickness are tested ranging from aluminum to organics.

Test 8 Spatial Resolution Concealment

Test 9 Penetration

The level of penetration of system e.g. 25mm to 75mm steel.

**The most comprehensive image performance system
for testing border security screening equipment.**

CHECK | LITE | CARGO | CT | BACKSCATTER | UNIFY

