WINDOWSSM™

● ● ● ● TECHNOLOGIES SOLUTIONS

End to End Solutions

BAGGAGE SCANNER

XR-0650 SERIES

KEY FEATURES

+ 800mm(W) × 650mm(H) tunnel size
+ HD image enhancement
+ Image penetration enhancement
+ Rejection of organics

BASIC PARAMETERS

Tunnel size	31.5"(W) × 25.5"(H) / 800mm(W) × 650mm(H)
Conveyor speed	0.65ft/s [0.2m/s]
Conveyor maximum load	441lbs [200kg]
Pass rate	1500 piece/hour
Metal wire resolution	typical 34AWG / Φ0.1601mm (-0650E) typical 36AWG / Φ0.1270mm (-0650P)
Penetration through steel plate	typical 27mm (-0650E) typical 30mm (-0650P)
Dose per inspection	typical 1.1µGy/h (-0650E) typical 2.0µGy/h (-0650P)
X-ray leakage	typical 0.8µGy/h at 2" [5cm] from the machine (-0650E) typical 1.0µGy/h at 2" [5cm] from the machine (-0650P)
Film safety	ISO1600 Film
Food medicine and film	x-ray exposure has no adverse effects
Operating system	Linux (-0650E) / Windows (-0650P)

X-RAY GENERATOR

Tube current (adjustable)	0.4 to 1.2mA
Tube voltage (adjustable)	160kV
Beam direction	top, angle, 80 degree
Generator quantity	one (single generator)
Cooling/duty cycle	oil cooling/100%

IMAGE PROCESSING

Ray sensor	photodiode array detector (double energy)
Image display	two 24" LCD, high resolution color
Image maximum resolution	1920×1080 pixels
Image storage	60,000 images
Image processing	24bit for processing real time; edge enhancement, straigthening, returning, retrieval;
Image options	high penetration, low penetration, magnifier, brightening/darkening
Magnifier	1 to 64 times (whole screen continuous observation)
Multi color display for organic energy	orange for organic, blue for inorganic, green for mixture
High energy / low energy	display key
Dangerous goods aided detection	yes (weapons, drugs, explosives)

ELECTRICAL

Operating voltage	110Vac/220Vac (±10%) (specify at time of order)
Power consumption	1kW (max) / 800W (nominal)
UPS	20 Minute Standby

ENVIROMENTAL

Operating temperature	32°F to 114°F [0°C to 45°C]
Storage temperature	-4°F to 140°F [-20°C to 60°C]
Operating humidity	20% to 95% (non-condensing)
Storage humidity	20% to 95% (non-condensing)

CONNECTION

Cable length	15' [5m]
Cable type	USB extension (x2) / monitor power cable monitor VGA cable / security keyboard cable

X-RAY PHYSICAL CHARACTERISTICS

Length	112" [2848mm] - including IN/OUT conveyor belts 59" [1500mm] - excluding IN/OUT conveyor belts
Width	43" [1095mm]
Height	60.5" [1536mm]
Conveyor belt height	13.5" [341mm]
Weight	1433lbs [650kg] (-0650E) / 1411lbs [640kg] (-0650P)

CONSOLE PHYSICAL CHARACTERISTICS

Controller cabinet	dual cabinet (two monitors)
Controller cabinet size	39.37"(W) × 29.5"(D) × 48"(H) 100cm(W) × 75cm(D) × 122cm(H)
Controller cabinet weight	147.7lbs [67kg]

GENERAL

Controls	x-ray unit emergency push button controller keyboard with emergency push button mouse and keyboard
Visual display	green LED - device on red LED - x-ray in-use / calibrating amber LED - alarm
System noise	54 dB
Communication	ethernet (-0650P) only

PART NUMBERS

XR-0650E	x-ray machine with 800×650 tunnel size and Linux operating system (-0650E)
XR-0650P	x-ray machine with 800×650 tunnel size and Windows operating system (-0650P)