



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 / Ø0.1601mm (-0650E) typical 36AWG / Ø0.1270mm (-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, straightening, 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 |

ENVIRONMENTAL

| | |
|-----------------------|-------------------------------|
| 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) |

Authorised Distributor :

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