Aventura
End to End Solutions

BAGGAGE SCANNER

XR-0500P SERIES



KEY FEATURES

+ 650mm(W) × 500mm(H) tunnel size
+ HD image enhancement
+ Image penetration enhancement
+ Rejection of organics

BASIC PARAMETERS

Tunnel size	25.5"(W) × 19.7"(H) / 650mm(W) × 500mm(H)
Conveyor speed	0.65ft/s [0.2m/s]
Conveyor maximum load	396lbs [180kg] (-0500P)
Pass rate	1500 piece/hour
Metal wire resolution	typical 40AWG / Φ0.0787mm
Penetration through steel plate	typical 32mm (-0500P)
Dose per inspection	typical 2μGy/h
X-ray leakage	typical 1μGy/h at 2" [5cm] from the machine
Film safety	ISO1600 Film
Food medicine and film	Xray exposure has no adverse effects
Operating system	Windows (-0500P)

X-RAY GENERATOR

Tube current (adjustable)	0.4 to 1.2mA
Tube voltage (adjustable)	140kV
Beam direction	bottom, angle, 80 degrees
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, brighten-ing/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	800W (max) / 500W (nominal) (-0500P)

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	1930mm - including IN/OUT conveyor belts 1000mm - excluding IN/OUT conveyor belts
Width	895mm
Height	1350mm
Conveyor belt height	620mm
Weight	1047lbs [475kg] (-0500P)

CONSOLE PHYSICAL CHARACTERISTICS

Controller cabinet	single cabinet (two monitors)
Controller cabinet size	110cm(W) × 65cm(D) × 122cm(H)
Controller cabinet weight	114.5lbs [52kg]

GENERAL

Controls	emergency push button mouse and keyboard
Visual display	green LED - device on red LED - X-Ray in-use / calibrating amber LED - alarm
System noise	58 dB
Communication	ethernet (-0500P) only

PART NUMBERS

XR-0500P	x-ray machine with 650×500 tunnel size and Windows operating system (-0500P)

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