Aventura
End to End Solutions

# BAGGAGE SCANNER

## XR-0300P SERIES




## KEY FEATURES

+ 500mm(W) × 300mm(H) tunnel size
+ HD image enhancement
+ Image penetration enhancement
+ Rejection of organics

## BASIC PARAMETERS

| | |
|---|---|
| Tunnel size | 19.7"(W) × 11.8"(H) / 500mm(W) × 300mm(H) |
| Conveyor speed | 0.65ft/s [0.2m/s] |
| Conveyor maximum load | 330lbs [150kg] (-0300P) |
| Pass rate | 1500 piece/hour |
| Metal wire resolution | typical 40AWG / Φ0.0787mm |
| Penetration through steel plate | typical 32mm (-0300P) |
| 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 (-0300P) |

## 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) (-0300P) |

## 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 | 1630mm - including IN/OUT conveyor belts<br>1000mm - excluding IN/OUT conveyor belts |
| Width | 755mm |
| Height | 1225mm |
| Conveyor belt height | 710mm |
| Weight | 705lbs [320kg] (-0300P) |

## 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<br>red LED - X-Ray in-use / calibrating<br>amber LED - alarm |
| System noise | 58 dB |
| Communication | ethernet (-0300P) only |

## PART NUMBERS

| | |
|---|---|
| XR-0300P | x-ray machine with 500×300 tunnel size and Windows operating system (-0300P) |

AventuraSecurity.com Copyright © 2000-2018 Aventura Technologies, Inc. All Rights Reserved.