

# X-Ray RU9100DS



ARIOTEK® Cargo Dual Source X-Ray Detection System



## Key Features

- High-End Processor Technology
- Cargo Counter
- Previous Visible Image Recall
- Image Evaluation Function (VARY-MAT, O2, OS, HI/LO)
- B/W – Color Image Presentation
- Full Reverse Mode
- Time/Date Displaying & Marking
- Dual-Direction Scanning, 45s Ready to Work
- Multi Language Interface (Persian-English-Arabic)

Rayan Roshd Afzar .Co (Ltd) is the first manufacturer of X-Ray inspection systems licensed by Atomic Energy Organization of Iran (AEOI) and the European standard (CE) with **ARIOTEK** brand for using at airports, country borders, customs and important public, administrative and Security.

An X-Ray detection system comprised of Ergonomic user interface, Powerful functions, Ease of operation, High operational efficiency, Organic and Inorganic material discrimination technology for Explosive and Narcotics automatic detection, providing unsurpassed image quality and insuring reliable image analysis.

### General Specifications

Tunnel Size	1010 (W) × 1010(H) (mm)
Max Object Size	1000 (W) × 1000 (H) (mm)
Conveyor Belt Speed	0.2 m/s
Conveyor Height	350 mm
Conveyor Load	200 kg (evenly distributed)
Dimensions	3400(L) × 1820(W) × 1890(H) (mm)
Weight	approx. 1330 Kg

### Technical

X-Ray Detectors	16 bit deep, Dual Energy
Wire Resolution	36 AWG (0, 13 mm Cu)
Steel Penetration	Up to 30 mm
Contrast Sensitivity	65536 Gray Level

### X-Ray Generator

X-Ray Generator	2unit
Anode/Tube Voltage Output	UP to 160 kV
Tube Current	UP to 1.2 mA
Cooling	Oil Bath
Duty Cycle	100%, No Warm up Procedure Required
Beam Direction	70° Upward generating direction 70° Downward generating direction

### Video

Display Type	27" 4k Color Monitor
Display Resolution	1280×1080, 24 Bit/Pixel Color

### Installation data

Mechanical Construction	Steel construction on roller castors
Sound Pressure Level	<65 db
Operating /Storage Temperature	5°C to +40°C / -20°C to +60°C
Relative Humidity	5% - 85% (non-condensing)
Protection Class System	IP20

### Electrical

Power Requirement	220-230 VAC, 50 Hz, approx. 2 KVA
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### Health & Safety

Radiation Standards	IEC-IAEA-ICRP-WHO
Film Safety	ISO 1600 film guaranteed
X-Ray Radiation Dose/Scan	<3.5 μSv
Radiation Emission Leakage	< 0.5 μSv/h at a distance of 5cm from external surface of the cabinet X-Ray

### Standard Features

- 4 Color Imaging
- Cargo Counter
- Time/Date Display
- Color and Black/White Imaging
- Continues Zoom to 64x
- Vertical Zoom Panning
- Drugs & Explosive Material Automatic Detection
- Density Alert
- Edge – Enhancement Imaging
- High Penetration Function
- Image Review
- Material Discrimination
- Organic /Inorganic Imaging
- Reverse Monochrome
- Image Automatic Storage , Image Recall
- Manual Bitmap Archive
- USB Storage,CD,DVDRW & Image Storage/TCP/IP
- Real – Time Self-Diagnostics
- Dual-Direction Scanning
- Operator Training System

### Optional Features

- 24" Full HD LCD Monitor
- Adjustable Operator Console
- External UPS
- Digital camera, DVR
- Entry/Exit Roller Table (Customized Dimensions)
- Local Language Support

#### Office Address:

No 2, Yasaman Ave, Yas 3 St., Golha Blvd, Golestan (Raah Aahan) Residential District, Tehran, Iran,

**Phone:** +9821- 44716393

+9821-44717868

+9821- 44716451

+9821-44716458

**Fax:** +9821- 44716404

**Website:** www.ariotek.ir

**Email:** sale@rayanroshd.ir

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**CSP**

ISO 9001:2015

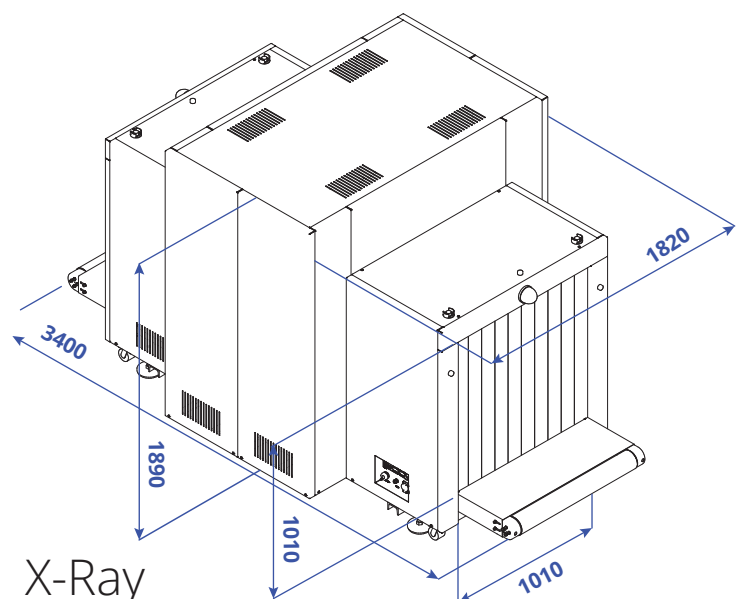
**CE**

**AOI**

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Knowledge-Based Product



X-Ray  
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