XIS-5335

THE ART OF PERFECTION IN SURVEILLANCE TECHNOLOGY

K-Ray Inspection

Astrophysics Inc. is aleading deigner, developer and manufacturer of x-ray inspection equipment for baggage, cargo and person screening in security applications.

The XIS-5335 X-ray System is the ideal solution for screening small parcels for airports, government offices, and other business applications. The tunnel size of 530 mm (20.9 in) wide by 350 mm (13.8 in) high is optimized for rapid inspection of small articles, allowing the XIS to inspect them with stateof-the-art imaging.

PC-Based System

The XIS-5335 X-ray System is a PC-based system, which runs on Windows XP Professional. The XIS combines the latest software and hardware technologies to provide superior image clarity, resolution and processing power.

Networking

The XIS-5335 X-ray System is designed to network with other inspection systems using high-speed ethernet TCP/IP data communication. Images from any XIS model can be sent through the network to a central server where they can be viewed, stored, and printed.

Standard Features

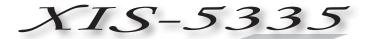
- Automatic Image Archiving up to 50,000 images
- Baggage Counter
- Color and Black and White Imaging
- Density Alert

Astrophysicsin

- Edge-Enhancement Imaging
- Forward & Backward Conveyor Movement
- Geometric Image Distortion Correction
- High Penetration Function
- Horizontal and Vertical Imaging
- Image Annotation
- Image Review for up to last 100 images
- Manual Archiving of Images in Bitmap Format
- Manual Archiving of Suspect Images
- Operator Training Program (OTP)
- Organic & Inorganic Imaging
- Picture Perfect for improved resolution / penetration
 Print Image
- Programmable Penetration / Contrast Levels
- Pseudocolor and Reverse Monochrome
- Real Time Image Manipulation
- User-Defined Access to Image Archive
- User-Selectable Zoom-In 2X to 64X
- Z-number Measurement
 17 Inch LCD Color Monitor

Astrophysics Inc • 21481 Ferrero Parkway • City of Industry, California 91789 • PH 909.598.5488 • FX 909.598.5546 • email sales@astrophysicsinc.com • www.astrophysicsinc.com Rev 01/2009





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X-Ray Inspection

X-Ray Generator

Voltage Tube Current Cooling Duty Cycle Beam Direction 90 kV 0.7mA Sealed Oil Bath 100% Vertically Upward

X-Ray Detector

1024 Channels in an 'L' Shaped Array

Environmental Conditions

Operating Temperature	0 to 50 C / 32 to 122 F deg
Storage Temperature	-20 to 60 C / -4 to 140 F deg
Humidity	up to 95% non-condensing

Health & Safety

Complies with published international standards including the U.S.F.D.A., Center for Devices and Radiation Health performance standards for cabinet X-Ray systems (Federal Standard 21-CFR 1020.40). Typical leakage radiation is less than 0.1mR/hr, compared with maximum leakage at 0.5mR/hr permitted by the Federal Standard. Film safety guaranteed for high speed films up to ISO 1600.

Operational Standards

Complies with published international standards including the U.S. Federal Aviation Administration Standards "Use of X-Ray Systems" (Federal Standards 14 CFR 108.17 and 14 CFR 129.26).

ISO 9001: 2000

Astrophysics Inc is an ISO 9001:2000 certified organization.

Design Policy

Astrophysics Inc. pursues continuous product development and improvement. Astrophysics Inc. reserves the right to make changes in specifications without notice. Sensitivity Spatial Resolution Penetration Contrast Sensitivity Power Requirements

Net Weight Gross Weight Tunnel Opening Conveyor Speed Conveyor Height Conveyor Capacity Dimensions 42 Gauge Wire Typical, 40 Guaranteed 1 mm both Horizontal and Vertical 12 mm Steel Typical, 10 mm Guaranteed 24 Visible Levels, 4096 Gray Level 110 ~ 120 VAC, 15 Amps Max. 220 ~ 240 VAC, 10 Amps Max.

Technical Specifications

Physical Specifications

Approx. 307 Kg (678 lbs) Approx. 393 Kg (866 lbs) 530 mm (20.9 in) x 350 mm (13.8 in) 13.7 m/min. 730 mm (28.75 in) 165 Kg Distributed Load (364 lbs) 1295 mm x 760 mm x 1220 mm 51 in x 30 in x 48 in

Computer Specifications

At a minimum: Core II Duo 3.0 GHz, 2 GB RAM, 160GB HDD, 256 MB Video Card with Digital Display, UPS to support PC and electronics.

Video Display

Single 17 in. high resolution, low radiation, ergonomic, LCD color monitor. Display resolution: 1280 x 1024; 24 bit/pixel color representation.

Optional Accessories and Features

- Advanced Continuous Diagnostics
- Advance Image Archiving Based on additional hard drive space
- Entry/Exit Rollers (0.5m, 1.0m or 1.5m long)
- Exit Table (1.0m long)
- Localized Language Capability
- Network Supervisor Station
- Remote Operator Workstation
- Screener Assist Threat Detection
- Search / Suspect Station
- Threat Image Projection (TIP) Software

