

THE ART OF PERFECTION IN SURVEILLANCE TECHNOLOGY

X-Ray Inspection



PC-Based System

of-the-art imaging.

The XIS-7858 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

XIS-7858 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 net-work to a central server where they can be viewed, stored, and printed.

- 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
- Two 17 Inch LCD Color Monitors
- User-Defined Access to Image Archive
- User-Selectable Zoom-In 2X to 64X





THE ART OF PERFECTION IN SURVEILLANCE TECHNOLOGY

X-Ray Inspection

X-Ray Generator

Voltage 160 kV - operating at 148 kV
Tube Current 0.7mA
Cooling Sealed Oil Bath
Duty Cycle 100%A
Beam Direction Vertically Upward

X-Ray Detector

1664 Channels in an 'L' Shaped Array

Environmental Conditions

Operating Temperature Storage Temperature Humidity 0 to 50 C / 32 to 122 F deg -20 to 60 C / -4 to 140 F deg 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.

Technical Specifications

Sensitivity
Spatial Resolution
Penetration
Contrast Sensitivity
Power Requirements

42 Gauge Wire Typical / 40 Guaranteed 1 mm both Horizontal and Vertical 37 mm Steel Typical / 35 mm Guaranteed 24 Visible Levels, 4096 Gray Level 110 ~ 120 VAC, 15 Amps Max. 220 ~ 240 VAC, 10 Amps Max.

Physical Specifications

Net Weight Gross Weight Tunnel Opening Conveyor Speed Conveyor Height Conveyor Capacity Dimensions Approx. 636 Kg (1402 lbs) Approx. 787 Kg (1735 lbs) 780 mm (30.5 in) x 580 mm (22.6 in) 13.7 m/min. (45 ft/min.) 730 mm (28.75 in) 165 Kg Distributed Load (364 lbs) 2765 mm (L) x 1000 mm (W) x 1395 mm (H) 109 in x 39.5 in x 55 in

Computer Specifications

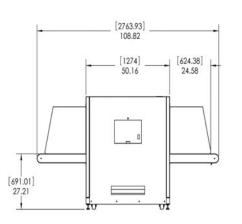
At a minimum: Core II Duo 3.0 GHz, 2 GB RAM, 160GB HDD, 256 MB Video Card with Digital Display, UPS to support PC and electronics.

Video Display

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

Optional Accessories and Features

- Advanced Continuous Diagnostics
- Advance Image Archiving Based on additional hard drive space
- Entry/Exit Rollers (1.0m or 1.5m long)
- Exit Table (1.0m long)
- Inclined Motorized Conveyors
- Localized Language Capability
- Local Controls Control panel and monitors at unit vs. side table
- Network Supervisor Station
- Remote Operator Workstation
- Screener Assist Threat Detection
- Search / Suspect Station
- Threat Image Projection (TIP) Software
- 180 kV Generator for High Penetration (Guaranteed 40mm steel)



Dimensions in inches [millimeters]

