6040-DV X-RAY INSPECTION



Explosives, Weapons and Contraband

DUAL-VIEW, MULTI-ENERGY

X-RAY INSPECTION



The 6040-DV multi-energy X-ray scanner delivers a clear picture of hidden explosives, weapons, drugs and other contraband in hand-carried and small-to mid-sized items. This dual-view system displays two separate, perpendicular X-ray images to provide a complete inspection in a single scan. Our autoSoft operating system gives a bold boost to our suite of image enhancement tools, allowing operators to more quickly and easily manipulate image data for the best possible picture of concealed threats.

- > Dual-view design provides more detailed information in one scan
- > Folded array rapidly images full mailbags and long or tall items
- > Fits in elevators, narrow halls and tight spaces
- > Built on the industry's most stable and flexible operating system

APPLICATIONS:

- > Cargo Screening
- Passenger, Staff and Visitor Checkpoint Inspection
- > Corporate, Government and Private Security
- > Critical Infrastructure Security
- > Mail Screening

PHYSICAL DETAILS

Tunnel Size: 62.0 x 42.0 cm

24.4 x 16.5 in. (W x H)

Dimensions: 184.9 x 118.6 x 126.5 cm

72.8 x 46.7 x 49.8 in. (L x W x H)

Weight: 465 kg (1,025 lbs.) uncrated

578 kg (1,275 lbs.) crated

Construction: Unibody heavy gauge epoxy painted

steel construction with stainless steel and aluminum trim and accessories;

non-marking casters

Temperature: Operating: 0° to 40°C (32° to 104°F)

Storage: -20° to 60°C (-4° to 140°F)

Humidity: 20% to 95%, non-condensing

Power Consumption: < 0.9 kVA; < 8 amps 100, 120 volts AC

+10%; < 4 amps 200, 220, 240, 250 volts

AC ±10%; all at 50 or 60 Hz

VIDEO

Two color 17" monitors, 1280 x 1024 video card

STANDARD FEATURES

autoSoft operating system

• Full-size operator control

panel (OCP) with touchpad

navigation

autoTracking guided conveyor

belt system

Reversible conveyor direction

High/low density stripping

Organic/inorganic stripping

· Color; reverse B/W imaging

• Interactive help screens

128x Smart Zoom

Adjustable zoom preview

window

- D-SCAN
- Dark and light enhance
- RealClear
- autoDensAlert
- autoOutline
- autoSensing
- autoScale
- autoCal
- autoImage recall (10 images)
- Z-SCAN
- Save screen to USB

X-RAY GENERATOR

X-ray Tube Head: Self-contained, with sealed oil bath cooling

High Voltage Rating: 160 kV, operating at 140 kV

Duty Cycle: 100%

Beam Orientation: Diagonal (80° beam divergence)

Dose Per Exam: 0.1 mR (1 μSv)

INSPECTION CAPABILITIES

Material Penetration: 28 mm (1.10 in.) steel

Contrast Sensitivity: Over 2 million color tones standard

Resolution: 38–40 AWG wire

Processing: 32-bit adaptive image processing with

minimum 1 Gbytes+ memory; 2.2GHz+ dual core processor; video processing using next generation graphical

processing unit architecture with 550MHz+GPU clock, 512Mbyte+ video memory and

32+ stream processing cores

Conveyor Speed: 24.0 cm (9.4 in.) per second

13.71 m (45.0 ft.) per minute

Pulling Weight: 100 kg (221 lbs.)

Film Safety: Guaranteed for high-speed film up

to ISO 1600 (33 DIN)

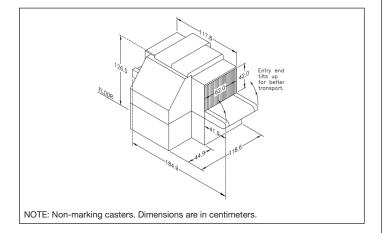
DETECTORS

High-speed, ultra-sensitive photodiode detector array; L-shaped for 100% object screening

OPTIONS

- Loading or exit rollerbeds
- Tropical humidity kit
- DVD drive
- autoMatAlert
- autoZ display
- Image archiving
- Threat image projection (TIP)
- Built-in training
- Level 1, 2 and 3 networking
- User management
- STI Viewer software for archived image analysis

- Locking metal OCP cover
- Variable height OCP mount
- Larger monitors
- Locking monitor garage
- Laser printer
- Console desk
- kV, mA meter
- Uninterruptible power supply
- Optical X-ray on/off sensor
- Footpad
- Item counter





World Headquarters

2 Gardner Road Fairfield NJ 07004 USA **Tel. 1 973.276.6000 Toll-free** 1 800.231.6414
Fax. 1 973.276.6162
info@a-clear.com

ISO 9001-2008 REGISTERED

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