

# LARGE PARCEL, OVERSIZED LUGGAGE AND SMALL CARGO X-RAY SCANNER



## CMEX-DT100100A DUAL VIEW MULTI-ENERGY X-RAY SECURITY INSPECTION SYSTEM



The **FISCAN CMEX-DT100100A** is a dual view multi-energy X-ray security inspection system equipped with state of the art X-ray imaging technology. It provides high resolution and ultra-clear images for easy object identification with the latest technology of computer control and imaging processing. With a compact design, it is ideal for security inspection of hand carried articles at airports, customs, railway stations, government buildings, mailrooms, courts and many other public gathering situations.

The **FISCAN CMEX-DT100100A** is capable of detecting organic and inorganic items such as weapons, explosives and narcotics using 4 color software which significantly enhances the operators ability to identify suspicious items and improve throughput with more effective screening.

The **FISCAN CMEX-DT100100A** provides detailed, easily interpreted X-ray images, with a background-contrast function that improves the identification of objects on the screen with the added feature of providing real time diagnostics on its operating status, ensuring easy handling and troubleshooting.

### GENERAL SPECIFICATIONS

Weight	approx.1200kg
Dimension	3100mm (L) x 1874mm (W) x 1880mm (H)
Tunnel Size	1020mm (W) x 1005mm (H)
Resolution	□0.01mm wire
Penetration	43mm steel
Dose per inspection	less than 3μSv, safe for film up to ASA/ISO 1600
Radiation Leakage	less than 1μSv/h, at a distance of 5cm from external housing, complying with all published international standards

### X-RAY GENERATOR

Anode Voltage	160kv
Beam Direction	from side and top
Cooling	sealed oil cooling
Beam Divergence	80°
Duty Cycle	100%

### IMAGE & CONVEYOR SYSTEM

Image Processing	32bit processing
Monitor	24" LCD
Display Resolution	1920×1080
Max. Load	approx. 200kg
Conveyor Type	Belt conveyor
Conveyor Running Direction	bi-directional
Conveyor Speed	approx. 0.20m/s
Conveyor Height	300mm

### INSTALLATION DATA

Storage Temperature	0°C to 40°C
Storage Humidity	5%-95% (non-condensing)
Operating Temperature	-20°C to 60°C
Operating Humidity	5%-95% (non-condensing)
Power	220VAC/110VAC (+10%~-15%), 50Hz±3Hz/60Hz±3Hz, single phase
Power Consumption	approx. 1.5kVA

## SYSTEM FUNCTIONS

Self-diagnostic	System self-diagnostic when power on
Generator Self-protection Function	Self adjust generator power on by time of system unused
Operator Management	Log-in by authority, four grades authority, management database available
Selective Display Type	Ten color schemes selectable
Image Display Type	B/W, multi-energy, Pseudo color image
Image Process Function	Light/dark enhancement, negative/positive image, edge-enhancement, organic stripping, inorganic stripping, VARILUT scanning, gray scanning
Zoom & Zones	1-9 image zones, 2,4,8 times enlargement
Microscope Zoom	2-32 times enlargement in any selected window
Image Recall	Review 50 images
High Absorption Rate Alarm	Alarm by flash and light enhancement to high absorption rate material
Super Image Enhancement	Improve image contrast
Image Absorption Scanning	20 levels of absorption scanning
Image Storage	Save more than 50000 images, automatic or manual storage selectable
Image Search	Search images according to stored time or operator ID
Thin Object Scanning	Easy to detect thin object
Function Key	Provide multi image combination processing functions through user-defined keys
Date Report	Provide 5 kinds of data reports
Information Display	Data/time display, articles counter, operator ID code, system serial number, system on/x-ray on counter, maintenance reminder
Service Menu	Service menu available for maintenance, it includes: Test Pattern, X-Ray Generator Test, Detector Signal Test, Power Supply Test, System Input Test, System Output Test
Operation Control	Keypad and soft keys button available
Bi-direction Scanning	Two directional scanning forward and backward
Image Save-as Function	The stored image could be saved as 8 format files(optional)
Report Print	(optional)
Automatic Detection of Explosives/Drugs	(optional)
TIP/ Network Interface	(optional)
Remote control(through wire)	(optional)
Remote Power On and Off System	(optional)
Remote Diagnostic	(optional)

\* **NOTE:** All specifications are subject to modifications and improvements without prior notice.