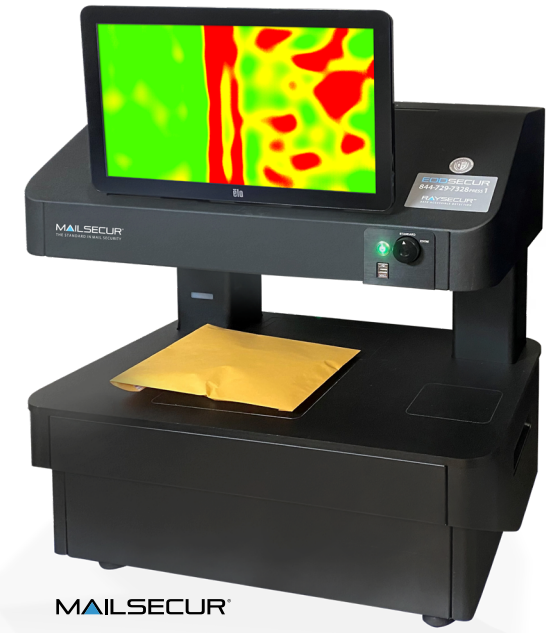
DETECT DRUGS AND CONTRABAND

THAT OTHER SCREENING TECHNOLOGIES MISS

QUICK, ACCURATE DETECTION OF DANGEROUS SUBSTANCES IN THE FORM OF POWDERS, LIQUIDS, TREATED PAPERS AND CONTRABAND

The MailSecur® imaging solution fills a critical gap not addressed by traditional screening technologies – the detection of illegal narcotics, synthetics, chemical intoxicants and contraband infiltrating correctional facilities nationwide.

The use of mail to smuggle contraband into correctional facilities is on the rise—driven by legal mail protections, high substance use rates, and the resale value of drugs. MailSecur® uses safe T-ray imaging to let staff "see inside" envelopes, packages, and soft items—revealing threats that X-ray and other tools miss. Operators view live, 4D images and can rotate items for better visibility. Remote support, training, and 24/7 access to narcotics experts are built in, making it easy to verify suspicious items and keep facilities safe.



OPERATIONAL ADVANTAGE

- ✓ See more, catch more – Live 4D imaging reveals hidden threats inside unopened mail.
- ✓ No radiation, no red tape – Safe T-ray tech means no licensing or safety programs required.
- ✓ Hands-on screening – Staff can safely rotate and inspect items in real time.
- ✓ Fast, scalable protection – Easy to deploy across multiple locations for full coverage.
- ✓ Expert help, anytime – 24/7 access to specialists for fast threat verification.

DETECT DRUGS AND CONTRABAND

- ✓ Suboxone strips.
- ✓ Drug-laced papers: K2/K3, THC, Raid, and other chemicals.
- ✓ Powder or liquid forms: methamphetamine, opioids, cocaine, heroin and synthetic marijuana.
- ✓ Sharps, weapons, currency, and small electronics including cell phones USB connectors, and SIM cards.

CASE STUDIES

Texas Department of Criminal Justice: : Traditional X-ray systems can only detect a limited range of materials, leaving gaps in security. In response, TDCJ implemented RaySecur's MailSecur® T-Ray mail screening technology, deploying 87 devices. The innovative solution improved contraband detection and streamlined the screening process for legal and special mail LEARN MORE

County Facilities: Struggling with a rising number of contraband threats, the county facilities needed a safer, more effective screening solution. With MailSecur, staff can now quickly and accurately detect powders, liquids, and other hidden threats, preventing dangerous substances from entering the facility and reducing operational LEARN MORE

DESIGNATED SAFETY ACT

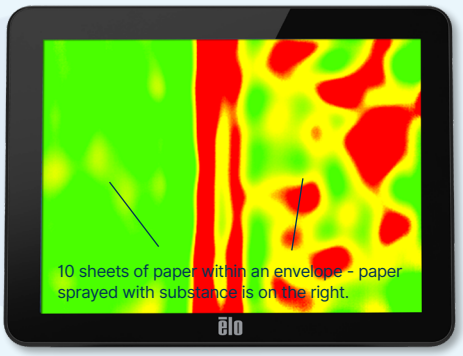
FEDERAL, STATE, AND COUNTY FACILITIES ARE PROTECTED BY MAILSECUR®

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LACED PAPERS

Paper soaked in toxic or narcotic substances—then dried—often looks completely normal to the human eye. MailSecur® detects subtle chemical changes in the material and highlights them with a distinct color gradient, making it easy to spot altered paper hidden in envelopes or packages. This includes substances like K2, K3, THC, Raid, and other synthetics.

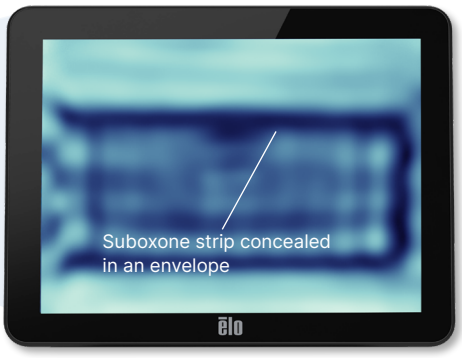




SUBOXONE STRIPS

Thin film strips are easy to hide—often tucked inside envelopes or even beneath postage stamps. But MailSecur® 's sensitive T-ray imaging detects changes in the paper and reveals these strips as darker areas on screen.

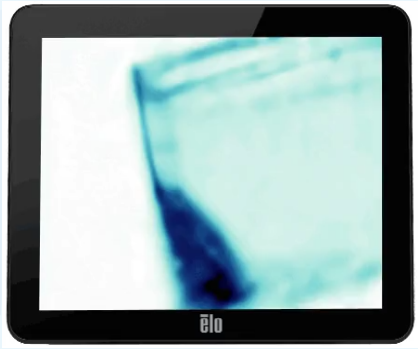




POWDERS

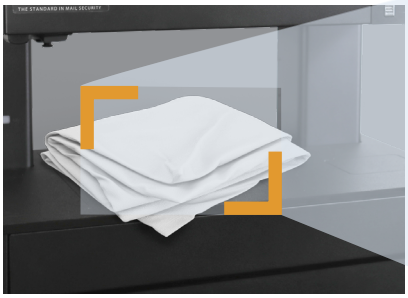
The small quantity of powders placed in envelopes makes it difficult or impossible for other technologies to detect. With the live 4D video provided by MailSecur®, an operator can physically move the envelope and see the actual grains of powder moving within the mail item.

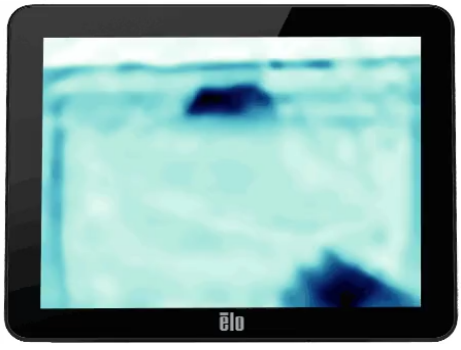




CONTRABAND

Micro devices like USB-C connectors, SIM cards, and memory cards often go unnoticed during manual checks or X-ray scans. MailSecur® 's built-in 3× optical zoom camera makes even the smallest items easy to spot.





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INTUITIVE OPERATION

MailSecur devices have 10x greater resolution than mmWave scanners used in airports. It is also superior to X-ray machines for mail screening, detecting more threat types, including powders and liquids with 300x higher image sensitivity.

- ✓ There are two screening areas for dual mode T-ray imaging:
  - Wide-format for an overall view of the object
  - 3x optical zoom for detailed inspection
- ✓ Adjustable monitor and touch screen UI.
- ✓ Integrated radiation and metal detectors.
- ✓ Designed as a compact tabletop unit weighing only 95 pounds, and with standard power requirements.
- ✓ Because the T-ray technology is safe, operators can touch and manipulate the item during screening to gain a real-time view of concealed items from all angles.
- ✓ Image and video capture capabilities allow operators to save findings for auditing or reporting needs.
- ✓ Network capabilities enable 24x365 remote EODSecur expert support in real-time.
- ✓ Configurable as a fully mobile unit with battery pack.

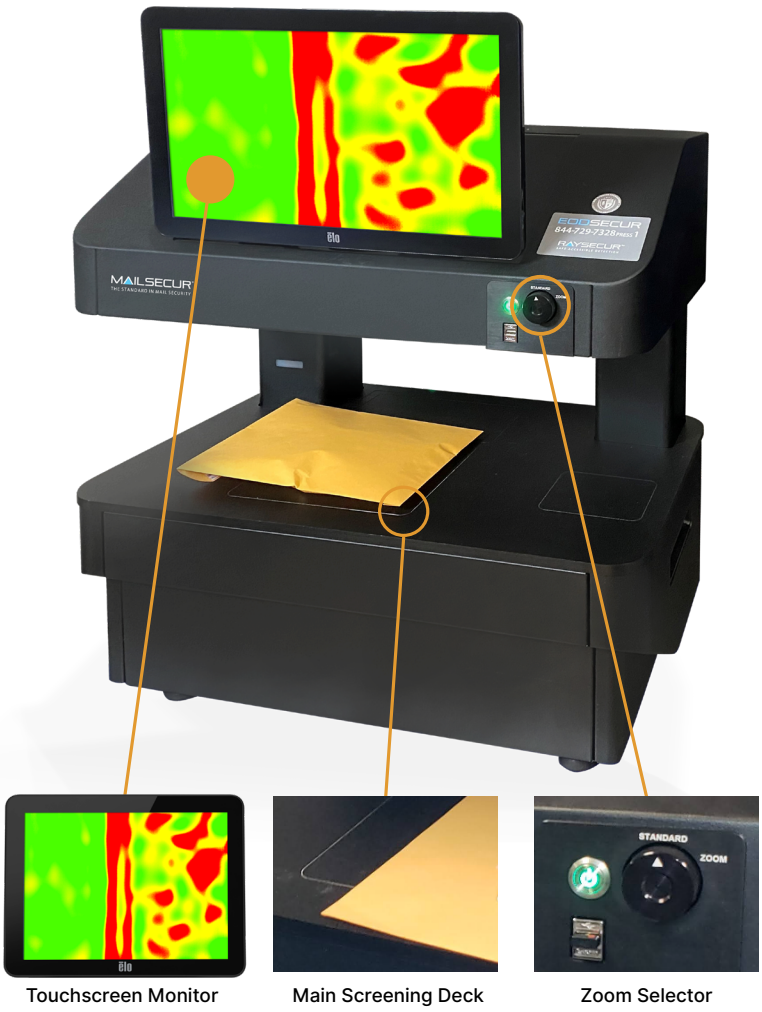
TYPICAL ITEMS SCREENED

Magazines | Letters | Newspapers | Parcels | Shirts | Bedding | Toiletries

FULLY MOBILE SCREENING

MailSecur integrated into heavy-duty plastic cart for mobile screening applications.





Touchscreen Monitor | Main Screening Deck | Zoom Selector

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TECHNOLOGY

- ✓ DHS Safety Act Designated Qualified Anti-Terror Technology
- ✓ Exclusive 4D real-time video of concealed contents within unopened mail and personal items.
- ✓ Detect the smallest and hardest to find threats such as treated paper, suboxone strips, powders, liquids, and other contraband concealed in envelopes, packages and inmate personal items.

EXPERTS ON-DEMAND

REMOTE SUPPORT WHEN YOU NEED IT

RaySecur's EODSecur service enhances customers' detection capabilities with 24x365 on-demand access to a team of highly-trained experts with extensive military and law enforcement backgrounds in detecting and addressing dangerous substances, including drugs, explosives, contraband, weapons, and hazardous materials.

With a simple phone call, a EODSecur team member will walk you through validation and provide guidance on how to address with the goal of keeping your operations and staff safe from harm.

EODSECUR

DESKTOP MAIL SCREENER TECHNICAL SPECIFICATIONS

Terahertz (T-ray) Technology	Safe, non-ionizing, active T-ray (THz) Imaging System Supports real-time user interaction with screened items
Frequency Range	400 GHz Nominal
Imaging Systems	Multi-pixel, real-time T-ray camera for non-invasive imaging of screened items HD 1080P optical camera for external imaging of screened items
Zoom	3X Optical zoom
Field of View	Dual zone supports standard and zoom +/- 10% nominal Standard field of view: 9.25 in x 6.75 in (23.5 cm x 17.15 cm) Zoom field of view: 2.75 in x 2.5 in (6.99 cm x 6.35 cm)
Image Processing	Multiple imaging and color mapping modes Drug-laced paper enhancement Image Adjustment: Brightness, Standard and Enhanced Contrast
Enhanced Detection	Compatible with updates for image processing, Machine vision- and AI- based enhanced detection
User interface Display	Touchscreen with 1920 x 1080 resolution (16.9:1 aspect ratio)
Data Recording	T-ray and optical video and images
Metal Detection	Variable sensitivity handheld wand with visual and audible alert
Network Connectivity	Ethernet, Wifi, LTE capable
Peripherals	USB, external DisplayPort
Setup Time	Typically < 30 minutes
Dimensions	19.5 in x 32 in x 31.5 in (49.5 cm x 81.3 cm x 80 cm)
Weight	95 lbs. (43.1 KG)
Power	Standard 110/220V AC, 5/3A, 50/60Hz with various plug options available
Certifications and Designations	ETL/CE/RoHS/WEEE USDHS SAFETY Act Designated Qualified Anti-Terror Technology (QATT)

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