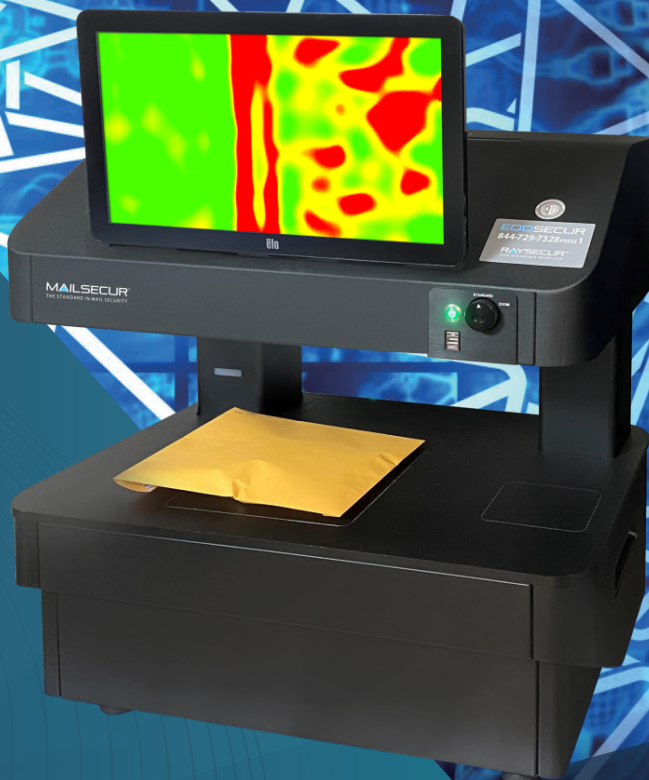


SAY NO TO MAIL THREAT!

SECURITY SOLUTIONS



SSI Top 30 Technology
Innovations



2021 Prism Award in
Imaging Innovation



2022 SIA New Products
and Solutions Award



The United States
Department of Homeland
Security has designated
MailSecur as a Qualified
Anti-Terrorism Technology

FOR MORE INFORMATION
+852-2341-81630



CONTACT US >>

VISIT OUR WEBSITE
www.shineunion.com.hk



政治 23-07-2020/08/17



特首辦收粉末恐嚇信 報警求助

2020-06-18 00:00



粉末信寄灣仔警總CID 據悉信中物質為食物殘渣

2021年12月15日(二) 23:11更新 16:13建立



White powder sent to Hong Kong's Carrie Lam and top officials was 'flour' - reports

The letter contained a page with Chinese characters written on them, but the meaning was unclear and did not contain threatening messages.

By KELLY HO

White powder sent to Hong Kong's Chief Executive Carrie Lam and two top officials on Thursday was "flour," local media reported citing sources. No one has been arrested over the case so far.

Local media reported that Lam, Secretary for Security John Lee and police chief Chris Tang received mail filled with powder. Police told HKFP on Friday that there were reports of "suspicious letters" at Wan Chai Arsenal Street - where the force is based - and Tim Hei Avenue - where the government headquarters is located.



Central Government Offices, Hong Kong, Kelly Ho/Reuters

MAIL THREATS IS HERE!

Thousands of companies every year receive threats through the mail. Since 2020, there are 19 reported cases in Hong Kong involving over 100 mails, and hundreds of times more being unreported.

High Risk

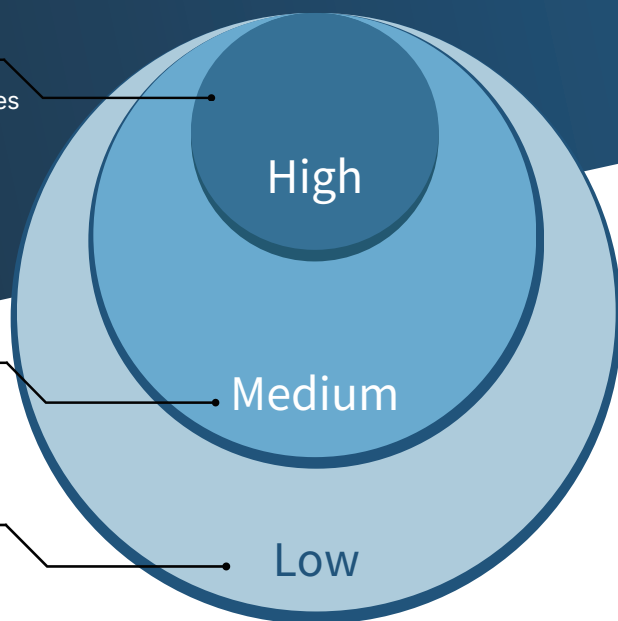
- Government Authorities
- Corporate HQ
- Critical Infrastructure
- Data Centers
- Manufacturing Plants
- Operations Centers
- Executive Protection

Medium Risk

- Satellite Offices
- Support Facilities

Low Risk

- Remote sites
- Low profile



\$320M

2001 facilities for decontamination from anthrax letters USPS and other agencies

\$1.8B



Loss in company value due to unplanned CEO turnover from PWC 2019 report

-3.3%



Decrease in stock price following bomb threat at corporate HQ 2014

\$3.4M



Typical business interruption claim according to 2019 Allianz BI report



\$1.0M

2017 auto plant shut-down for 40 minutes

-\$6.3B



Decrease in market cap following sarin mail threats (false positive) 2019

1 in 3

Fortune 500 Companies receive at least one mail threat per year.



PROBLEM



Letter sent with white powder



Affect major corporations every day



Shutting down facilities lead to economic loss

Real threats result in hospitalizations and death

MAILSECUR PROVIDES COMPREHENSIVE DETECTION



- No permits Needed
- Existing staff easily trained to use
- Performance: All in one device for Chemical, Biological, Explosive etc.
- Safety: non-ionizing mmWaves
- Intuitive: hold and move objects by hand in the viewing area
- Compact: desktop setup, no special requirements

Screening Workflow

1. MailSecur detection of abnormal contents concealed in mail
2. Determine probable cause to open/test suspect item
3. Confirmation testing using identification tools such as ion scan, K-9, chem test

Detection Capabilities Comparison

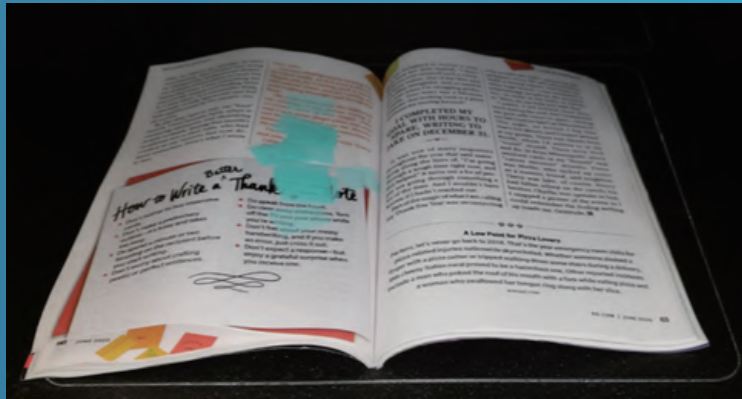
	DHS GUIDELINES	MAILSECUR™	X-RAY SCANNERS
Explosives	✓	✓	✓
Illicit Items	✓	✓	✓
Contraband	✓	✓	✗
Powders	✓	✓	✗
Liquids	✓	✓	✗
Chemicals	✓	✓	✗
Biological	✓	✓	✗
Radiological	✓	✓	✗
Nuclear	✓	✓	✗

NEW FEATURE

VA CORRECTIONS SYSTEM

QUALIFICATION

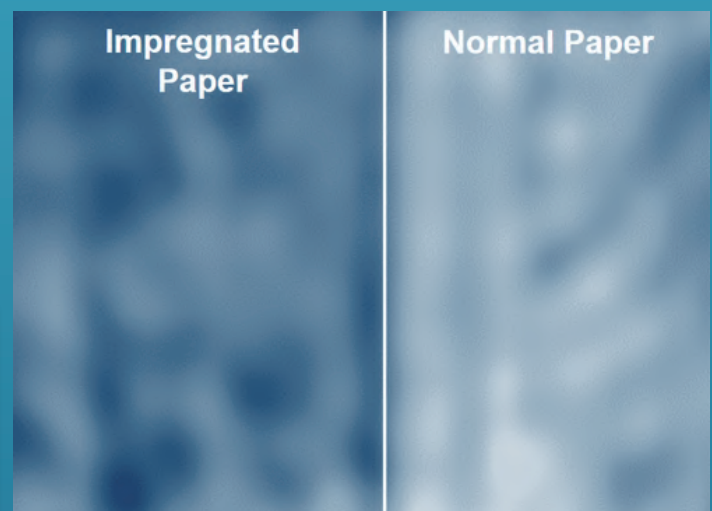
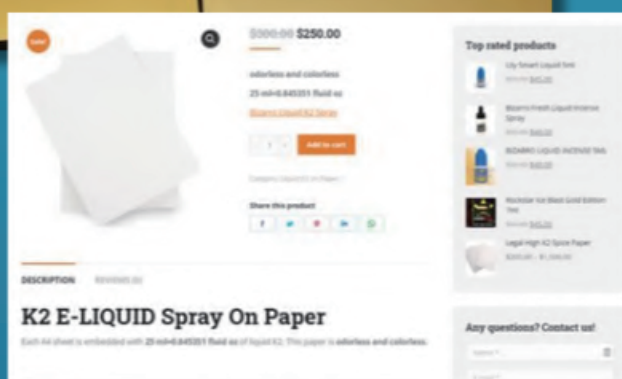
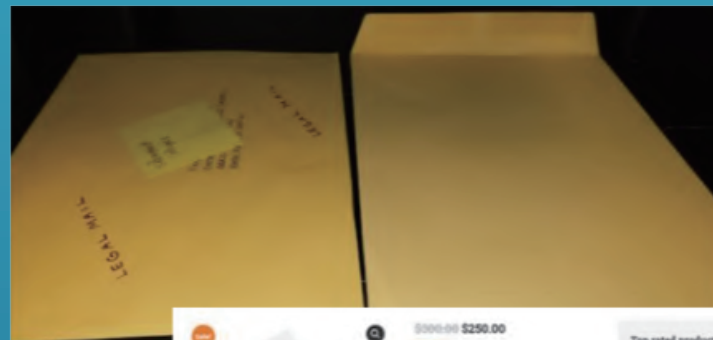
Simulated Suboxone Strips in Magazine



Simulated Suboxone Strips in Magazine



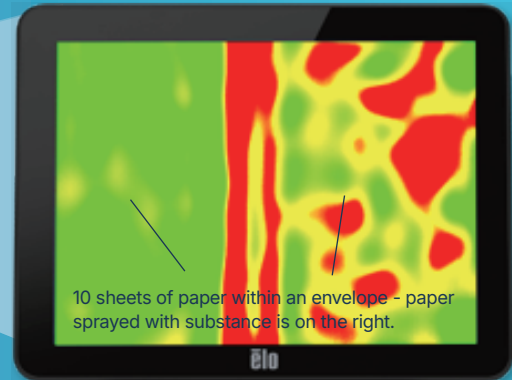
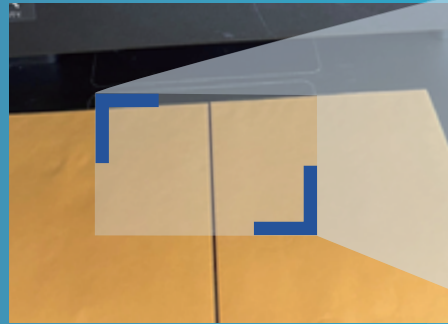
Paper Impregnated with Drugs and Chemicals



DETECT MAIL THREATS

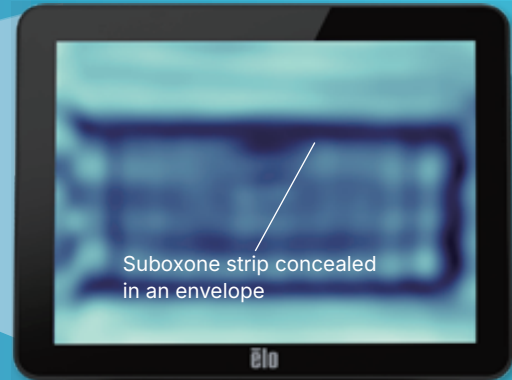
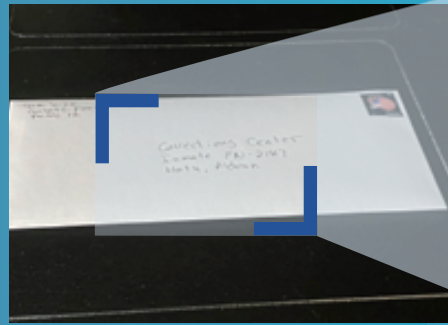
Laced Papers

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.



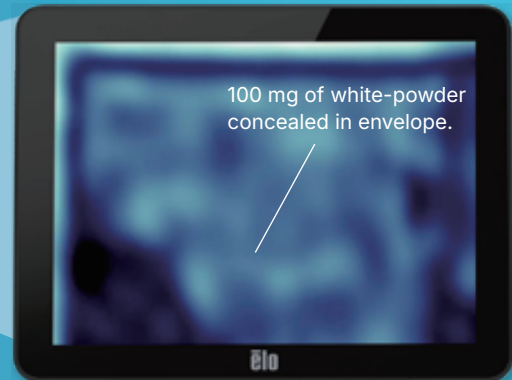
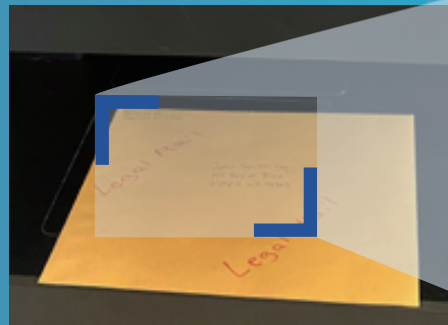
Suboxone Strips

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.



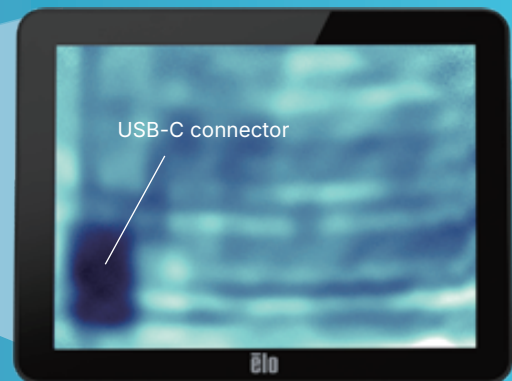
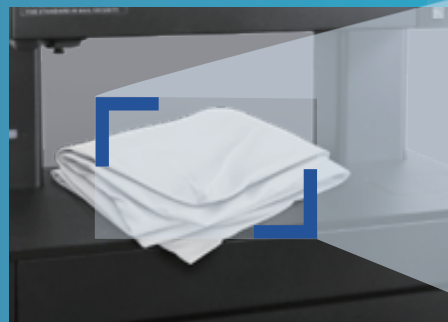
Powders

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 3x optical zoom camera makes even the smallest items easy to spot.



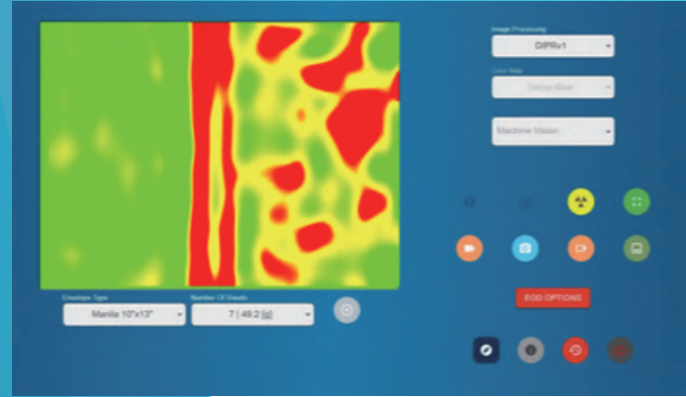
MAILSECUR SERVICE PACKAGE

SOFTWARE RELEASES

KEY SOFTWARE UPDATES

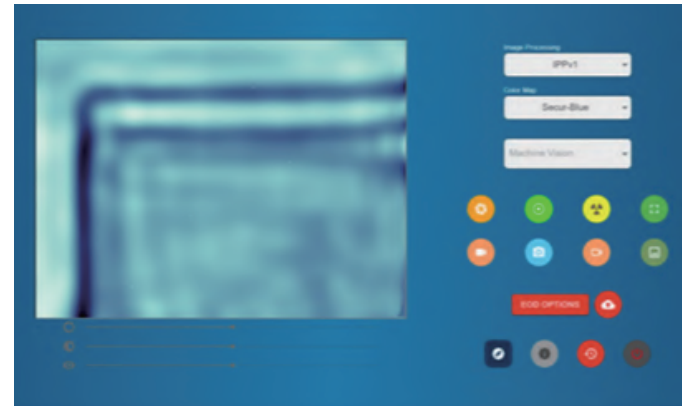
Treated Paper Detection

- Developed treated paper detection to meet customer needs
- Simplified color mapping (green / red)
- Additional peripherals (scale)



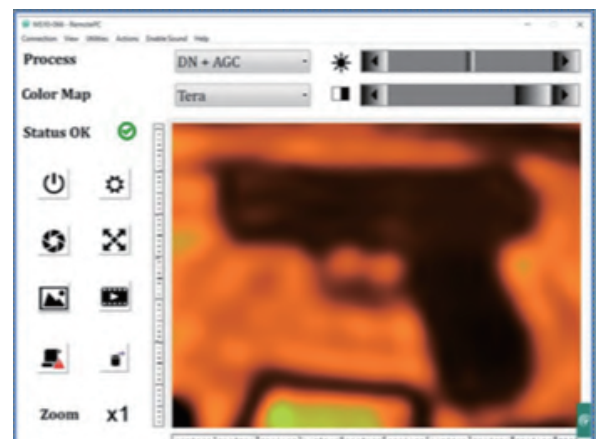
New User Interface

- Simplified user interface
- Enhanced image clarity
- Integrated user instructions
- Call EOD support function
- Additional imaging modes



Previous User Interface

- Basic color modes
- Manual and automatic imaging functions



Intuitive Operation

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

- ✓ There are two scanning 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 70 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 SCANNED



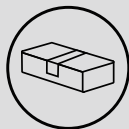
Magazines



Letters



Newspapers



Parcels



Shirts



Bedding



Toiletries

Fully mobiscreening

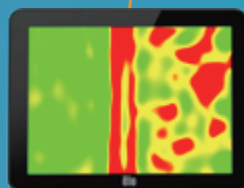
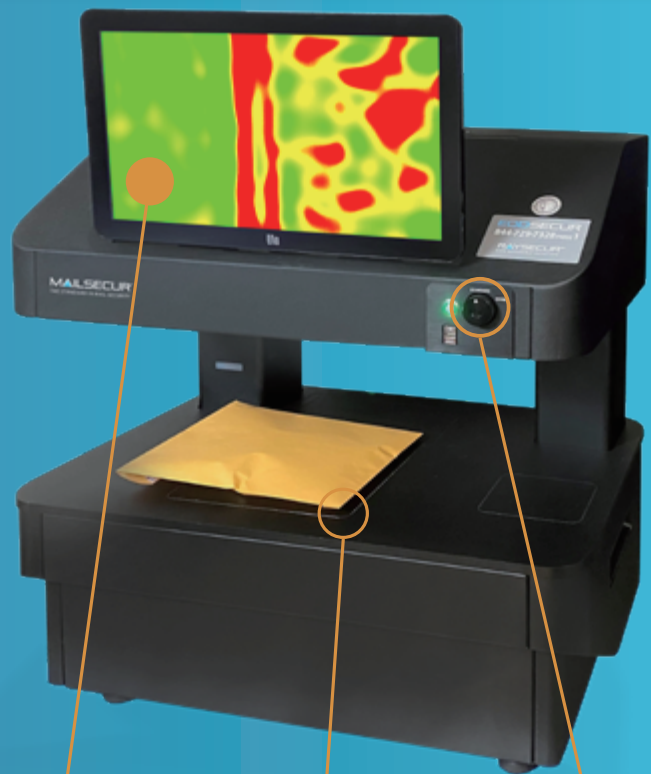
MailSecur integrated into heavy-duty plastic cart for mobile screening applications.



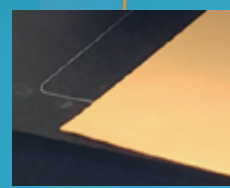
Scanning Platform

Pneumatic Wheels

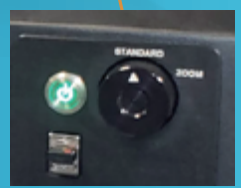
Battery Pack



Touchscreen Monitor



Main Screening Deck



Zoom Selector

ALL-IN-ONE MAIL SCREENING SOLUTION

Emergency Response:

When a potential threat is detected, Shine Union's support team will help your people quickly determine how to handle it and escalate it to the proper authorities in keeping with your established SOPs.

People:

While your staff will be the first line of defence and primary operators of MailSecur, Shine Union supplement them with remote support to help interpret unexpected images and determine if they constitute a threat.

Standard Operating Procedures:

We help companies develop SOPs for the proper inspection of incoming mail and packages across their entire organization, including high-, medium-, and low-risk sites, how to detect threats, and what to do when they are found.



Technology:

MailSecur detects more and smaller threats than any other mail scanner and is perfectly suited to high- and medium-risk sites. We have other products to enhance the security across your entire enterprise, including low-risk sites.

Training:

In the MailSecur training your team will learn not just how to properly operate MailSecur, but mail security best practices. The training includes ebooks, SOPs, infographics, and other materials that will be useful to

Mail Security Screening in Seconds

- ✓ 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.



TECHNICAL SPECIFICATION

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)