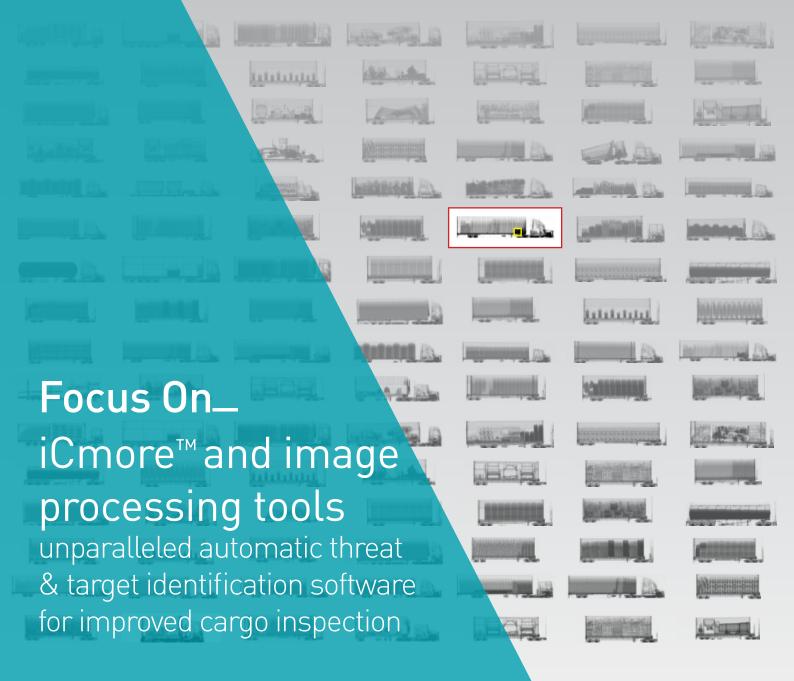
smiths detection



Stop guessing and start seeing with iCmore

Customs and security professionals face ever increasing volumes of traffic at maritime ports, land border crossing points and city entrances. They require strict controls in order to monitor the flow of imports, exports and transit traffic; whilst providing faster clearance times, often with less resource availability.

Image analysis operators are faced with a growing number of general X-ray images from scanned cargo, which they must match with the

original manifest report, whilst also using their own initiative and training to look for potential threats and targets.

Our NEW iCmore software suite reduces the workload by automatically identifying and highlighting suspicious targets or threats within inspected cargo, such as cigarettes or dangerous levels of radioactivity. The iCmore software directs operator attention to abnormalities within the load, reducing the guess work, speeding up the overall analysis process and supporting the secure movement of goods.

iCmore SOFTWARE SUITE

iCmore Cigarettes

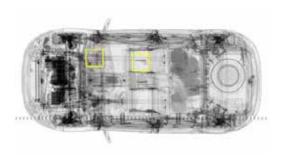
Intercept illegal trade and collect valuable lost tax revenue with the help of iCmore Cigarettes. Image analysis operators are alerted when master cases of cigarettes are detected within ISO containers and vehicles, or concealed within false double-wall constructions.





iCmore weapons

Using advanced "Deep Learning" techniques and a large firearms database, iCmore Weapons supports automatic detection of guns hidden in vehicles such as cars, vans or trucks.





iCmore Radioactivity

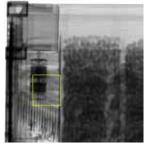
Prevent the movement of dangerous radioactive sources and weapons, by installing iCmore Radioactivity, to detect dangerous levels of gamma or neutron sources concealed within fully-loaded containers and vehicles. As soon as radioactivity rates that are significantly higher than natural background levels, or an overall critical rate is detected, an automated visual warning and colour grading scale is indicated on the X-ray image, helping opertors to pinpoint areas of concern, for fast diagnosis and implementation of local procedures.



iCmore refrigeration Units

Analysing the refrigerated area in containers is a complicated process. iCmore uses extensive databases and advanced image matching techniques to find any irregularities and alerts the operator to possible hidden threats.





BENEFITS:

- Reduce image operator burden
- Increase vehicle throughout
- Support the free-flow of trade
- Improve valuable analysis time
- Intercept illegal trade
- Collect valuable tax revenues

THREE OPERATING MODES AVAILABLE

iCmore is available in three operating modes

Automatic*

iCmore automatically detects suspicious items and displays only those X-ray images to the operator. All other non-suspect images are automatically stored within the on-board database. (* recommended mode)

Demand assisted

The initial X-ray analysis is performed by the operator. iCmore can be asked to provide confirmation of suspect contents, on-demand.

System assisted

All X-ray images are displayed to the operator, and automatic pop-up alerts are provided when suspect contents are detected.

All data and results are stored within the on-board database for further analysis, historical referencing etc.

iCmore Non-empty Container

The Non-empty Container option assists image analysis operators to identify vehicles and containers which have been falsely declared as empty. iCmore Non-empty Container will only display or alert to containers that are not empty.



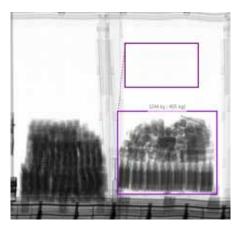


Weight estimation

This feature is applied either locally or globally across the x-ray image of containers or truck loading. It gives an estimation mass in a selected ROI (Region of interest), directly in the x-ray image.

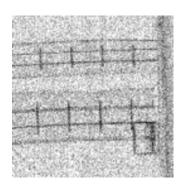
The Graphical User Interface allows refining the estimated weight interval by removing the background of the selected ROI.

An automatic estimation of the whole container loading is also given. In case of two containers, each container has his own load weight estimation displayed.

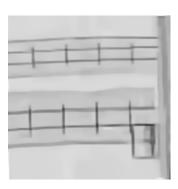


HD Image tool

HD image is an advanced and powerful image-denoising tool for X-ray images. It delivers excellent results far superior to other current, recognised image processing filters. This feature can be applied on a selected area, and optionally on the whole image, providing an unequalled picture quality locally by zooming in on the Region of Interest (ROI), or by filtering out noise across the whole image.



Before processing



After processing



For product information, sales or service, please go to **smithsdetection.com**

iCmore is a trademark of Smiths Detection Group Ltd.
For more information on the HCV range see supporting documentation.