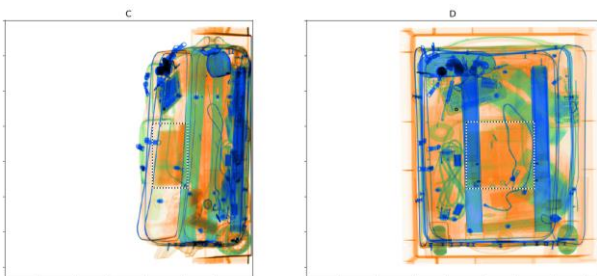# ACCURATE, RELIABLE BULK CASH DETECTION

iCMORE Currency delivers highly accurate automatic detection of bulk cash (min.100 banknotes stacked) in hand luggage and daypacks. Currently available for US Dollar, Euro and Saudi Riyal.

KEY BENEFITS

- Increases security and efficiency; helping authorities to prevent cash smuggling damaging economies and fuelling criminal activities

- Cash payback for Customs

- Reduces the risk of human error

- Minimum training required

AUTOMATIC CURRENCY DETECTION

iCMORE Currency is part of the iCMORE family of smart and adaptable object recognition algorithms offering automatic detection of an ever-expanding list of dangerous, prohibited and contraband goods. iCMORE Currency provides the automated detection of bulk cash (min.100 banknotes stacked) in luggage and daypacks. The detected objects are framed in the X-ray image and indicate a potential threat.

Automatic detection of bulk cash using iCMORE Currency on a HI-SCAN 6040-2is

iCMORE Currency has been trained for three different currencies, with many variations of objects and scans per currency.

INVALUABLE DETECTION CAPABILITES

Deep learning is fundamental to artificial intelligence (AI) and Smiths Detection took this approach in developing the iCMORE suite - collaborating with customers and security authorities to build a huge library of images from which the algorithm could 'learn'.

This results in accurate, reliable and powerful detection, providing invaluable support for security operators, customs officers and other control authorities. The access to proprietary raw data enables real-time detection with no need to stop the conveyor as well as a high probability of detection and low false alarm rate.

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> The automatic detection capability of iCMORE reduces the risk of human errors, increasing efficiency and further enhancing detection accuracy.

The additional detection capabilities provide invaluable support to all image analysts and are particularly helpful for less experienced operators. As AI algorithms do not tire and are impartial, they reduce the risk of human errors.

iCMORE Currency delivers a high probability of detection and low false alarm rate -improving security, whilst also increasing efficiency and throughput.

Automatic object detection algorithms can also be used to implement differentiated risk-based screening approaches by switching them on or off based on the individual requirements of controlling authorities.

Adding iCMORE Currency does not affect any regulatory certifications or approvals and little or no training is required.

CASH PAYBACK FOR CUSTOMS

Money laundering is a global issue, it damages economies by removing money that would otherwise go towards tax and investment, fuels criminal activity and promotes the underground market for illicit goods and services. According to the United Nations Office on Drugs and Crime, the estimated amount of money laundered globally in one year is 2 - 5% of global GDP, or $800 billion - $2 trillion in current US dollars . Bulk currency is hard to distinguish from other organic objects on the X-ray image, for example a bar of soap, therefore it is incredibly difficult for security operators to detect with current technology.

iCMORE Currency will be a vital tool in the ongoing fight against money laundering and equip customs operators with easily adaptable technology, within existing Smiths Detection scanning machines, across a wide variety of different scenarios, without compromising speed, efficiency or accuracy.

INCREASED SECURITY

INCREASED EFFICIENCY

CASH PAYBACK FOR CUSTOMS

MINIMUM TRAINING

FREE SOFTWARE TRIAL

Would you be interested in a FREE 3-month software trial? If yes, then please get in touch.

If at the end of the trial you are not fully satisfied, we offer a money-payback guarantee for the external iCMORE PC.

Please note that for HI-SCAN 6040 DV it is a software upgrade only.

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> iCMORE provides accurate detection capability to Smiths Detection X-ray and CT screening solutions, helping to reduce the burden on image analysts and improve screening outcomes.

A CHOICE OF SYSTEMS

iCMORE Currency is available for a large range of single-, dual-and multi-view X-ray scanners and applications in Ports & Borders, Aviation and Urban Security; as an option on new systems and as an on-site upgrade kit.

SINGLE-VIEW SYSTEMS	DUAL/MULTI-VIEW SYSTEMS	APPLICATIONS
HI-SCAN 6046si	HI-SCAN 6040-2is HI-SCAN 6040 DV HI-SCAN 6040aTiX HI-SCAN 7555aTiX	**PORTS & BORDERS** • Customs • Border Crossings **AVIATION** • Checkpoint **URBAN SECURITY** • Cross Border Rail • Mint Facilities • Banks and Cash Handling Services

iCMORE Currency can be seamlessly integrated into the HI-SCAN 6040aTiX, HI-SCAN 6046si, HI-SCAN 6040-2is, HI-SCAN 6040DV, HI-SCAN 7555si, and HI-SCAN 7555aTiX and will support customs and security operators at border crossings, cruise lines, airports, cross border railway stations and ports.

iCMORE - A family of automatic target recognition applications

Our object recognition software, iCMORE, uses advanced algorithms to reduce the burden on operators – and potential errors – by automating the detection process for suspicious items within inspected cargo, baggage or palleted goods.

Reach out to Smiths Detection today to find out how we can support your operation with iCMORE.

GET IN TOUCH

If you would like to know more about iCMORE Currency and how we help make the world a safer place, you can get in touch at;

www.smithsdetection.com/products/icmore/

www.smithsdetection.com