

Forensic video & image analysis



Vizx²

ziuz.com

Vizx²

Forensic analysis software

The amount of material that investigators of Child Sexual Abuse Material (CSAM) analyze and categorize per case is growing exponentially. Investigations may comprise millions of images and recordings, representing many terabytes of data. They must all be viewed to not miss one single lead. This is incredibly time consuming and arduous work.

The Vizx² Forensic software suite provides a structured means of searching through the material, while providing the user with a clear overview of the case. Filter and sorting tools use metadata, hash databases and image concepts to quickly categorize and group images, helping not only to find the essential legal evidence, but also to get rid of nonrelevant material.



Process large amounts of visual data fast, structured and efficiently

Vizx² allows you to analyze terabytes of visual data very quickly. The smart filter and sorting tools, hash databases and artificial intelligence modules help you to cope with large amounts of images and videos in a fast, structured, and efficient way. Vizx² enables the complete forensic imagery analysis. From creating a case to the upload of evidence and from creating reports to the export of case files.

Get to work at once, without specific technical knowledge

We developed Vizx² in close collaboration with Law Enforcement Agencies, to accommodate their specific wants and needs. The intuitive interface provides a straightforward and user-friendly experience. You don't need any specific technical knowledge to work with the Vizx² software.

Receive dedicated and personal support

We want your experience with Vizx² to be as convenient as possible. We provide instructions, training material and tutorial videos. When necessary, our traveling support team will work with you, side by side. We can help you optimize your process and workflow even further. When requested, we also offer advice on hardware and infrastructure. With your feedback we continually improve our software to make sure that Vizx² fits perfectly in your primary process.

Vizx² available in 3 versions

Vizx² is compatible with most forensic toolkits and comes in three different versions. The 'Standalone' version offers all the functionality you need to process a case from start to finish on a single workstation. Vizx² 'Teamwork' is server-based and allows for up to 20 users to work

on cases simultaneously. Hashes of categorized images and videos can be pushed to a central hash database. This database can be used to automatically classify images that investigators come across in future cases. In this way the whole team profits from the work of all the

individual users. With 'Datacenter' Vizx² can be used in a datacenter setting with over 100 users. With this version regions, states and even whole countries can work together on a single system.



Standalone



Teamwork



Datacenter

	Standalone	Teamwork	Datacenter
Core			
Concurrent users	1	2-20	20-100+
Case-level collaboration	No	Yes	Yes
Maintenance & Support			
Software updates	Yes	Yes	Yes
Email support	Yes	Yes	Yes
Telephone support	-	Yes	Yes
On-site support	-	Optional	Yes

Functionalities

All three versions of Vizx² come with these functionalities.

- ✓ Dashboard
- ✓ Hash matching
- ✓ Filter, search, sort
- ✓ Classifying
- ✓ Carving
- ✓ Reporting
- ✓ Face detection
- ✓ EXIF data analysis

Incorporate extra functionalities with these add-on modules



Cortado

Cortado is an AI engine that calculates scores on certain themes being visible in images. With the Cortado module, you can search certain kinds of images based on a great number of general themes.

It comes with several predefined themes, such as a No people filter and a Pornography filter.

Cortado can also be used as a trainer with which the user can create his or her own themes.



NCMEC

The NCMEC (National Center for Missing and Exploited Children) module allows Law Enforcement Agencies to automatically feed multiple NCMEC reports in Vizx² at once. The investigator can then use existing Vizx² functionality to analyze and categorize all the images and videos from the reports. This prevents investigators from having to view the same images repeatedly, thus making the process less time consuming.



I-CARE

With this module, Law Enforcement Agencies that have access to the International Child Sexual Exploitation (ICSE) database can connect their Vizx² systems seamlessly through the I-CARE Open Interface. The I-CARE module allows users to download the latest version of the ICSE hash list and to upload both new hashes and media files to the ICSE database.

Forensic ecosystem

The forensic ecosystem enables every industry stakeholder and member of the public to report CSAM that they encounter. In the eco-system, reports containing new and unknown CSAM will be assessed by experienced hotline analysts and relayed to specialized police investigators for immediate action.

The ecosystem saves analysts a lot of time thanks to the automation and intelligence tools the different software components provide. The system enhances the awareness of the public and industry of the legal and moral needs related to CSAM and gives them the possibility to report it.

ZiuZ develops software to tackle CSAM from different perspectives.

ICCAM, Report Box, AviaTor and Vizx² coexist in the eco-system, and all contribute to the protection of children's lives in a different way.

AviaTor

The AviaTor (Augmented Visual Intelligence and Targeted Online Research) project aims at developing automation and intelligence tools to reduce the time Law Enforcement Agencies spend on processing, assessing and prioritizing NCMEC reports. These tools combine artificial intelligence techniques with targeted online research for open-source intelligence.

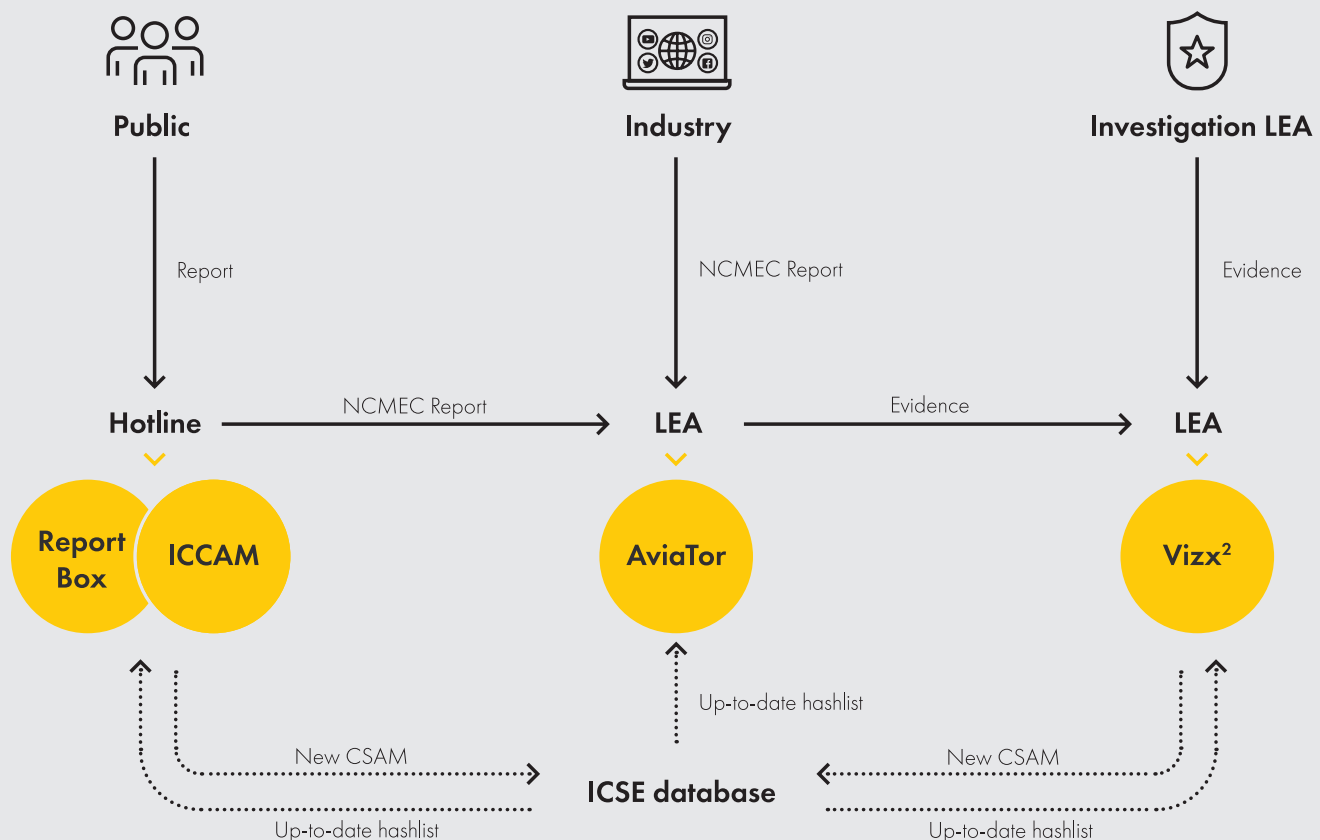
ICCAM

ICCAM is used to analyze public reports. It enhances INHOPE member hotlines' capacity to match, identify

and analyze CSAM. 'ICCAM' enables hotlines to classify the reported images and videos to filter out those that have been previously classified or already exist in police databases. If the investigated URL (Uniform Resource Locator) is hosted in a different country, the report will be forwarded to the respective hotline in that country.

Report Box

Starting hotlines, that do not have the resources to participate in the ICCAM program, can use 'Report Box' to let the public report CSAM through an online form. The hotlines can operate without having to create, operate, manage, and maintain back-end systems.



Global ecosystem

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The AviaTor Project is funded by the European Union's Internal Security Fund — Police

About ZiuZ

ZiuZ is a leading innovative company in the development and application of high-grade technology in visual intelligence. We develop our products in close collaboration with police agencies. In addition to the products for forensic footage analysis, ZiuZ develops various medical applications for pharmacies and hospitals.

Mission

ZiuZ Forensic wants to achieve worldwide impact with profitable and innovative solutions, based on visual intelligence, that deliver a contribution to solving social relevant problems in the forensic world.

Do you need more information or want to try Vizx²? Visit ziuz.com to request a trial version of Vizx². Or contact us to receive a detailed spec sheet and pricelist.

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