



INNOVATION SNAPSHOTS

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LITHUANIAN POLICE TO DEPLOY AI-ENHANCED IN-CAR VIDEO SYSTEM

The Lithuanian Police will utilize an AI-enabled in-car video system to improve situational awareness and safety. The technology incorporates high-resolution cameras to continuously scan the surroundings for officers and enhance their operational preparedness. These cameras also feature sharp sensors that promote vision clarity round the clock and offer the officers multiple viewpoints, from within the vehicle and outside it.

As it seeks to minimize risk and uncertainty during patrols, the device comprises of sophisticated video technology and multiple detection systems for a comprehensive approach. For instance, its automatic number plate recognition provides officials accurate information of vehicles in the vicinity and the 'backseat occupancy detection' feature, aimed at suspect safety, initiates recording whenever the system detects an individual in the rear seat. Moreover, it is equipped with the 'VideoManager' evidence management platform that not only stores and processes video footage but also streamlines video sharing with the control room and frontline officers.



To promote practicality and operability, the device is developed with a straightforward user interface alongside a tamper-resistant and rugged design that allows its use in adverse conditions. Alongside assisting officers in post-incident investigations and ensuring swift responses, the technology is also expected to promote monitoring, accountability, and training practices within the force.

Sources: <https://www.zacks.com/stock/news/2163608/motorola-msi-augments-lithuanian-police-security-with-m500>

lithuanian-police-security-with-m500

INTERPOL DRONES EXPERT SUMMIT 2023: DRONES AS A FIRST RESPONDER

The INTERPOL Drone Expert Summit 2023 explored the use of drones as a first responder, an emerging and vital concept in emergency services and public safety. 'Drone as a first responder' refers to the use of drones, also known as unmanned aerial vehicles (UAVs), as a rapid and versatile response tool in various emergency and critical situations. Drones offer unique advantages in terms of speed, accessibility, and data gathering capabilities, making them valuable assets for first responders. For example, the Chula Vista Police Department in San Diego, United States has successfully deployed drones to respond to over 10,000 missions.

Co-hosted by the INTERPOL Innovation Centre and Chula Vista Police Department with the support of UAS Norway and DroneResponders, the Expert Summit was held on 23-24 October 2023 in San Diego, United States and illustrated drones as first responders using subject matter expert presentations and demonstrations of drones and supporting systems. The Expert Summit enabled law enforcement to understand the potential of UAVs as first responders and what they can provide law enforcement across the globe.



To effectively use drones as first responders, agencies require trained personnel, appropriate equipment, and adherence to regulatory and safety guidelines. Moreover, clear protocols and integration with other emergency response teams are essential to ensure a coordinated and efficient response. As UAV technology continues to advance, the role of drones as first responders is likely to expand and become even more crucial in safeguarding communities and saving lives. INTERPOL intends to continue working with partners to develop a guide for Drone as a First Responder which will be published in 2024.

EXTREMISTS EXPLOITING ONLINE GAMING PLATFORMS

Extremists taking advantage of the connectivity and accessibility of online gaming platforms, many of them on the Metaverse, are a concern for law enforcement agencies across the globe. In the recently concluded 'Pixels and Possibilities' symposium organized by the Singapore University of Social Sciences and United Nations Office of Counter-Terrorism, in collaboration with other online gaming associations, experts from law enforcement and public policy highlighted the issue of extremists penetrating gaming communities through online platforms.

Speakers and moderators explained how online gaming is used to spread extremist propaganda. For instance, given the wide accessibility of gaming platforms nowadays, it is possible to enter such platforms and roleplay as terrorists, commit suicide, simulate terrorist missions, and learn how to wear an explosive vest. In certain cases, extremist videos are shared on both gaming platforms and social media for spreading ideologies.



As illustrated in a report published by the New York University STERN Center for Business and Human Rights, extremists create tailor-made video games that 'explicitly promote terrorist narratives'. In addition, in-game chatrooms as well as gaming adjacent platforms like Steam, Discord, and Twitch have been used by extremist actors to communicate with potential recruits. Other types of harms prominent in online gaming include hate speech, sexually abusive language, misogyny, and cyberbullying.

Terrorists and violent extremists use online games such as PUBG for discreet internal communication with each other and increasingly employ gaming infrastructure to approach children and teenagers in order to benefit from their technical skills and expertise in social media and operational security.

Sources: "Pixels and Possibilities - Nurturing Safety, Resilience, and a Future in Esports", <https://www.suss.edu.sg/news-and-events/events/pixels-and-possibilities---nurturing-safety-resilience-and-a-future-in-e-sports/>; 'MAY 2023 REPORT RELEASE: Gaming The System: How Extremists Exploit Gaming Sites And What Can Be Done To Counter Them', <https://bhr.stern.nyu.edu/tech-gaming-report/>; input from INTERPOL's Counter-Terrorism Directorate.

DID YOU KNOW?

The Australia New Zealand Policing Advisory Agency (ANZPAA), on behalf of Police Commissioners of Australia and New Zealand, has officially published the Australia New Zealand Police Artificial Intelligence (AI) Principles. The Principles aim to guide Australian and New Zealand Police in the ethical and responsible use of AI, fostering public trust and community safety, and minimizing harm in adopting AI systems.

Source: <https://www.anzpaa.org.au/homepage-announcements/australia-new-zealand-police-artificial-intelligence-principles>

JAPAN'S NATIONAL POLICE AGENCY TO TEST AI-ENABLED CAMERA SYSTEM

The National Police Agency of Japan is set to test AI-enabled security cameras to protect high-profile public figures amidst an increase in 'lone offender' attacks. Through pattern observation, the intelligent camera systems' behaviour detection features could be trained to spot unusual movements such as looking around repeatedly.

As it is difficult for the human eye to detect suspicious behaviour in crowds, the camera system could aid law enforcement in minimizing security risks. The testing phase will also incorporate object and intrusion detection to look out for suspicious items or individuals trespassing into specific areas.

The AI-enabled cameras would be able to analyse large amounts of data and flag concerning behaviour, augmenting existing security frameworks. Following the initial testing, the National Police Agency will examine the system's accuracy and the potential for its deployment.



Source: <https://asia.nikkei.com/Politics/Japan-police-to-test-AI-equipped-cameras-in-protecting-VIPs>

NEW TECHNOLOGIES FORUM: LAW ENFORCEMENT IN WEB 3.0

The INTERPOL Innovation Centre, in cooperation with the Bavarian State Ministry of Justice, organized the second edition of the New Technologies Forum: Law Enforcement in Web 3.0 to shed light on critical issues brought about by recent technological advancements and the potential risks they pose.

Held in Erlangen, Germany on 10-11 October 2023, the Forum brought together a diverse group of almost 80 participants from law enforcement, private sector, and academia. The event focused on the practical applications of emerging technologies in the realm of Web 3.0, exploring topics including, but not limited to, virtual assets, the darknet, metaverses, and AI from three angles: threat, tool, and evidence.



Discussions highlighted that the rapid growth and potential implications of decentralized autonomous organizations and decentralized finance demand proactive strategies and regulatory considerations. The Forum also underscored the significance of generative AI as a potential threat. The capabilities and ethical concerns associated with AI-generated content, especially in the context of deepfakes, call for vigilant monitoring and regulation.

Immersive technologies were discussed as valuable instruments for training and court proceedings. They offer interactive experiences that can enhance the effectiveness of training programs and court presentations.

The event facilitated knowledge sharing, networking, and establishment of partnerships, providing INTERPOL collective expertise and resources, leading to more effective strategies for addressing and countering emerging technology-enabled threats.

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DID YOU KNOW?

Sussex Police responds to the increase in sexual assault cases along Brighton's beachfront by deploying drones equipped with thermal sensors, spotlights, and speakers. These drones conduct evening patrols on weekends, aiming to enhance safety for residents and visitors.

The drones aid police officers by spotting suspicious behavior and vulnerable people and alerting officers in the vicinity when needed. Drones could also be beneficial in difficult settings like a sandy beach, darkness, or hard-to-reach areas where foot patrols face limitations.

Source: <https://tech.hindustantimes.com/tech/news/police-deploy-drones-to-combat-sexual-assaults-on-beach-71696249643410.html>



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