



PRODUCT SHEET

AI Shield

Video analytics-based solutions for general surveillance systems to prevent incidents and protect lives



Overview

Who we are

Asura Technologies is driven by a single mission: to create easy to integrate, camera-vendor independent visual data collection systems and image/video analytics software based on AI technology for security, surveillance, parking and traffic management industry.

Asura Technologies made its debut with the Asura Recognition Unit (ARU) Plug and Play LPR in 2017 delivering an easy-to-integrate, flexible solution. ARU earned a quick recognition by earning a Special Mention at the 2018 Intertraffic Innovation Awards.

What we do

Application development: turn-key or custom solutions that do not require integration to enable data collection for existing VMS, Traffic- or Parking data collection.

R&D : Finding new ways to solve existing problems using AI related technologies to solve existing traffic and security problems and discover new challenges.

Integration: we enable our technology on demand in any preferred system.



What is AI SHIELD?

AI SHIELD is a set of visual data collection engines and video analytics software to detect threat via video surveillance systems. An AI enhanced system for multilateral recognition of different sources of threat: AI SHIELD detects potentially dangerous **objects**, **motion** and other **visual** data that can lead to terrorist- or other attacks. It can be applied on various fields of video surveillance.



VMS software

CCTV cameras

General surveillance



AI SHIELD



COMPLETE THREAT DETECTION

Detecting threats is not always enough. Prevention and taking effective action requires a multilateral analytic and alarm system. AI Shield, the video analytics system developed by Asura is capable of analyzing images, video streams or other visual input to distinguish between different threat-levels and classify them.



Features



Weapon Detection and Classification

Weapon detection and classification on real-time surveillance camera stream or recorded footage (pointed/edged weapons, small firearms, machine guns, rifles, heavy guns, etc.)



Symbol detection and recognition

Recognition of banned or other symbols associated with certain groups posing potential threat as well as discriminatory signs and symbols in European football as per fare.org.



Other threat alarms

Pairing threat-types with typical alarms like smoke, fire and other patterns allows classification and verification of different levels of threats and security breaches.



Video surveillance with AI SHIELD

Combining AI SHIELD features with general surveillance technologies is a highly efficient way to track down threats (suspects) and aid law and stadium rule enforcement.



AI SHIELD

– ALERT



People counting and tracking

– LOCALIZE



Face Recognition

– IDENTIFY



Advantages

Camera-vendor independent

Any camera regardless of manufacturer

The analytics system can work with any IP and analogue camera or image source that provides a sufficient image quality. You can manage your risk with vendors more effectively than ever.

Integration-readiness

Asura Technologies will integrate it for you

We deliver the software integrated into various VMS systems. In case you have a different one in mind, we deliver a turn-key solution – no need to waste time, resources and effort on the integration.

Real-time alerts

The system alerts real time allowing prevention

Detecting a shooting from its sound or other effects will not leave time for taking efficient **action** or **prevention**. Asura Shield detects potential threat and places an alarm. This way security incident trackback becomes a secondary function preceded by prevention.



Applications

Sport events

Complete identification multiplies the effectiveness of incident detection, identification and retracing. Operates even in crowded environments.

High security facilities

Increases the on-site and perimeter security of banks, embassies, airports, educational, government- and law enforcement facilities, etc.

Crowded events, demonstrations

Surveillance cameras and mobile solution – the latter works on cameras mounted on vehicles as well.

Acts of terrorism, Alerts

The system works seamlessly using new or already established infrastructure like general security- or surveillance camera footage. Connects to CCTV/VMS systems to identify terrorist threat: detects and identifies weapons to automatically alarm authorities.



Why choose Asura?

To create leaner and budget-conscious security systems



We deliver integrated solutions. It is resource-efficient and we support you implementing the new technology by sharing the best practices.



Camera agnostic solution, compatibility with basically any IP camera. You can manage your vendor risk and take control over expenses like never before.



Implemented triggering based on video analytics will allow you to save the cost of additional hardware equipment.




Complete recognition and identification through the combination of different elements of video analytic and AI technology.




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