



JOINT VALUE BROCHURE

CREATING AUDIO AI DETECTION SOLUTIONS TOGETHER

Detect, classify and alert on
dangerous or critical sound events

About

JALUD - Embedded audio AI detection for HEOP cameras

The Sound Event Detector (SED) alerts users to specific sound events and monitors environmental noise. The SED detector uses an AI algorithm to detect, classify and alert on dangerous or critical sound events. It is NOT a simple noise sensor but a reliable detection tool that helps to protect areas and save lives. The SED detector will alert on sound events such as: glass breaking, gunfire, panic screams or aggression.



Technical Details

Solution Type	Alarm Systems, Video Analytics
Integration Protocol	HEOP
Product Languages	English, Czech
Regions	Africa, Asia, Europe, Latin America, Middle East & North Africa, North America, Oceania

Integrated Hikvision Products

- ✓ Network Camera

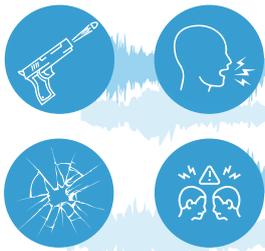
Supported Product Models and Versions

HEOP series 2 and 3 cameras



Solution **Architecture**

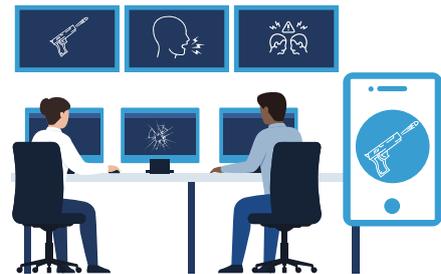
DETECTION



PROCESSING



OPERATION



User **Benefits**

- 1** • Our solution listens for important sounds that indicate a need for immediate security response to dangerous situations
- 2** • Operational 24/7
- 3** • GDPR compliant
- 4** • Intruder detection via sound filtering
- 5** • Doubles (at minimum) efficiency of monitoring center



Key Features



Response time: < 5 seconds



Multiple types of sounds detection:
Gunshot, Glass breakage, Panic
screams, Aggression....



High reliability / low number of false
positives: more than 700,000 sound
samples in our AI



Targeted industries

- Banking and Finance
- Retail
- Government Facilities
- Safe City
- Commercial
- Utilities, Energy and Mining
- Public Transport
- Casinos and Gaming



About Us

Hikvision Digital Technology

Hikvision is committed to serving various industries through its cutting-edge technologies of machine perception, artificial intelligence, and big data, leading the future of AIoT. At Hikvision, we believe that close collaboration with our ecosystem of partners is needed to further accelerate innovation and development in the security industry, while also securing maximum value creation for clients.

We work in close partnership with thousands of best of technical manufacturers of hardware and software systems in the security, automated manufacturing, and IoT industries. Our Technology Partner Program ensures that our clients can use Hikvision technologies knowing that we provide vendors with the tools to obtain comprehensive integration and compatibility with all our products.

JALUD Embedded S.r.l.

JALUDs developers have extensive experience with machine learning and artificial intelligence. Our main focus is to provide a new form of passive security by essentially adding EARS to the existing security solutions. We have developed Sound Event Detector to detect gunshot, glass-break, scream, aggression, drones, angle-grinder, spray vandalism, siren and other sound events that might indicate a dangerous situation.



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