

DEKI SAFE

DEKI Safe is an advanced security solution designed to provide homeowners and businesses with peace of mind by offering continuous, 24/7 protection. The system connects with any existing IP cameras and brings them local video analytics capabilities to automate surveillance, monitoring and inspection tasks.

Pre-trained detection models

Each DEKI Safe device is pre-loaded with advanced human and vehicle (Car, Bus, Truck, Motorcycle, Bicycle) detection model to cover your surveillance and intrusion detection needs. The system is designed for expansion with other detection models, that can be added by demand.

Works with existing CCTV systems

Connect our hardware to the same local area network as your IP cameras or NVR to enhance the effectiveness of your current security setup with our advanced video analytics. You don't need to purchase additional costly equipment; DEKI Safe will transform your passive IP cameras into a futureproof surveillance solution.

Local Video Analysis and Data Privacy

DEKI Safe processes all video feeds on-site through local video analysis, reducing the need for constant internet connectivity and lowering bandwidth requirements while still providing real-time monitoring and analytics. Additionally, DEKI Safe prioritizes data privacy by securely storing and processing sensitive video footage within the user's premises. This approach reduces the risk of unauthorized access, maintains user confidentiality, and ensures that data handling is GDPR compliant.

Virtual zones

DEKI Safe's virtual zones feature enables users to draw custom polygons within the camera's field of view, focusing detection on specific areas of interest, reducing false alarms, and ensuring only relevant alerts for enhanced security in user-defined zones.

Cost-effective and Easy Installation

DEKI Safe is designed for quick and hassle-free installation. With its plug-and-play capability, simply connect the device to your local area network with DHCP enabled, where your cameras are connected. Access the system via the provided web link on any browser—no need for additional software installation. This streamlined process saves

both time and money, making DEKI Safe a cost-effective solution for upgrading your security infrastructure.

Custom object or situation detection for your business

Need to detect specific objects or situations? With our team of highly skilled experts, DEKI offers creation of custom detection models tailored to your business needs, that can be deployed on DEKI Safe devices. Contact us directly at office@deki.ai or via our partner **Xortec** for more information and get a quote to automate your inspection and monitoring needs.

Hardware Overview / Technical Specifications

DEKI SAFE is a local video analysis device based on the latest deep learning technology and can support and analyze up to 6 video streams connected to it (at 1080p 30fps). The features of this product include object identification and smart perimeter protection. It allows configuring various trigger rules to ring alarms and can be utilized for various purposes by inter working with external devices, API's or systems.

GENERAL INFORMATION

Product Name

DEKI SAFE

Product Code

SORS/082021V1

Main Module

High Performance NVIDIA AI Module

Dimensions

130 mm x 90 mm x 55 mm

Weight

0.326kg / 326g

Working humidity

Up to 95%

Working ambient temperature

0°C to 50°C

UI

Web browser interface (desktop/mobile)

Metadata / Statistics format

JSON, CSV

Ethernet port

Gigabit RJ45

Power input

12V 3A (Power Supply included)

Output connections

API's (REST, GRCP)

Webhook

Email

Telegram

Remote relay

Event log

VIDEO SPECIFICATIONS

Number of channels

Up to 6 Full HD 1080 at 30fps

Supported video encoding

H.264 / H.265

Video input method

RTSP (basic authentication), ONVIF

Video output method

RTSP

Supported video picture type

Color, Monochrome, Infrared

Recommended video quality

Full HD 1080 at 30fps

DETECTION INFORMATION

Pre-loaded detection models

Human detection

Vehicle detection (Car, Bus, Truck)

Bicycle detection

Motorcycle detection

Processed number of frames

Up to 100 fps per device

Max. number of objects

Up to 150 objects detected in a single frame

Max. speed of detection

40 ms

Custom Object Detection

For requests for custom detection models on your DEKI SAFE device, please contact us under office@deki.ai. We will reach out to you regarding development of specialized detection models for your business case.