

## **AKILA Autonomous Facial Recognition Rapid Deployment System**



AKILA Autonomous Facial Recognition Rapid Deployment System is intended for real-time facial recognition and identification by video streams received from portable or fixed cameras and generating alarm in case of positive match.

AKILA is a portable fast deployment kit with various mounting options (bracket, tripod, clamp, operator workstation etc.).

AKILA composition:

- VBL-1 server – 1 pc.;
- DVS-855i IP camera– 2 pcs.;
- DVS-869 IP camera – 2 pcs.;
- smartphone – 2 pcs.;
- tripod – 2 шт;
- 20000mAh portable battery – 1 pc.;
- mounting kit – 1 set.

VBL-1 server is incorporated in a sealed housing with IP65 ingress protection with a battery and runs AKILA special software.

IP cameras provide OnLine HD video streaming.

DVS-855i IP camera is a dome, vandal-proof housing and inbuilt IR illumination.

DVS-869 IP camera is a portable camera in waterproof housing with inbuilt battery, LED display and IR illumination. It is applicable for body-worn use.

Smartphone is fitted with a sealed waterproof housing and displays identification results.

AKILA provides OnLine facial recognition (one to many) from video streams and can recognize faces of people on the move. It provides high recognition accuracy despite such noises as beard, hat, age difference. Database of wanted people – up to 100 000 individuals (extendable up to 40 mln. people by special order).

AKILA supports integrated operation with various subsystems: AKLA portable and fixed cameras, any other cameras eg. Safe City surveillance cameras, smartphones.

AKILA system is fitted with standalone power supply keeping it operational for 8 hours continuously. It can be also powered from the grid, vehicle network or an external battery.

Data communication is made through Wi-Fi.

## Application

Autonomous Facial Recognition Rapid Deployment System is intended for use by law-enforcement agencies to identify blacklisted people including discreet surveillance. AKILA kit is applied to enhance security of infrastructure, transport, sports events, cultural sites, indoor and outdoor environments with large crowds.

## Specification

Parameter	Value
HDD of VBL-1, Gb	480
RAM of VBL-1, Gb	4
Max IP cameras resolution, px. - DVS-855i - DVS -869	2592x1944 1920x1080
VBL-1 DC voltage, V	14 – 16,8
VBL-1 single-phase AC voltage, V/Hz	220 / 50
DVS-855i DC voltage, V	12 ± 10%, PoE (802.3af)
Interface	Ethernet, Wi-Fi
Standalone operation time, h	8
Database size, number of individuals (extendable up to 40 mln. people by special order).	Up to 100000
Operating temperatures, °C	from -40 to +55
Overall dimensions, not more, mm - VBL-1 - DVS -869 - DVS -855i	250x190x190 59x30x85 Ø 140x110
System weight, not more, kg	10