

WORLD'S LEADING AI ENGINE BUILDERS

VAIDIO

AICUDA TECHNOLOGY & IRONYUN

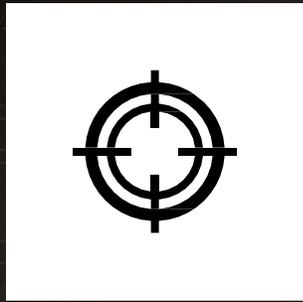


ANALYTICS FOR A SAFER WORLD



AICUDA
TECHNOLOGY

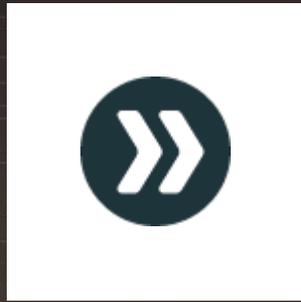
IRONYUN™



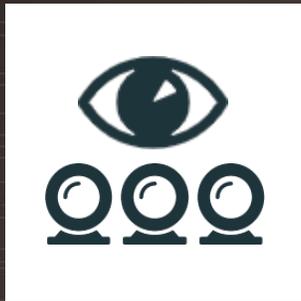
ACCURATE
ALERTS



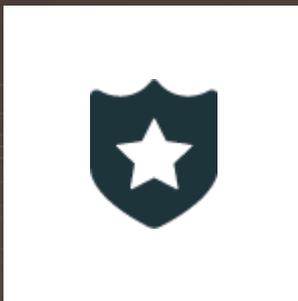
MAXIMIZED
EFFICIENCY



FAST
VIDEO SEARCH



AI-ENABLED
ANALYTICS



COMPREHENSIVE
FUNCTIONALITY

VERSATILE

More analytics than any alternative

FAST

Search days of video in minutes

ACCURATE

Reduce false positives by orders of magnitude

IMMEDIATE

Real-time alerts in 3 seconds or less

INTELLIGENT

Natural-language search across multiple objects

OPEN

Integrate with 97% of ONVIF devices

IMPACTFUL

Increase alert readiness, improve productivity

A soldier wearing a tactical vest is seated at a workstation in a control room, viewed from behind. The room is dimly lit with blue ambient lighting. Multiple computer monitors are visible, displaying various data and maps. The soldier's hands are on a keyboard. The word "MILITARY" is overlaid in white capital letters on the right side of the image.

MILITARY

AI-BASED ANALYTICS

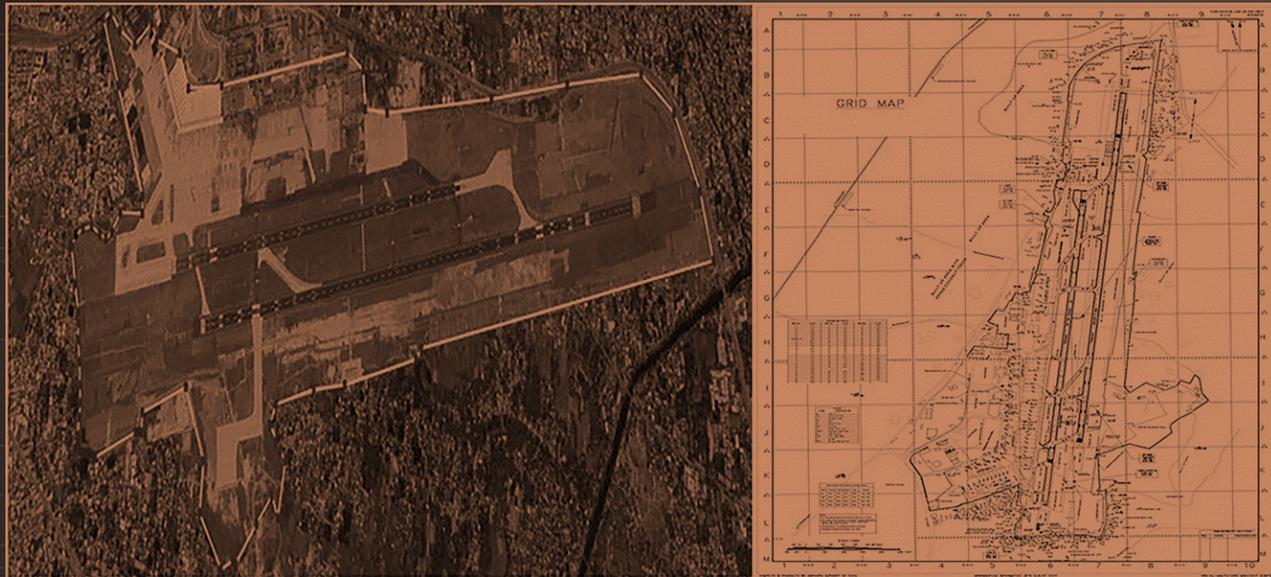
	Detect/ count	Attribute/ classification		Identification	
 People	Area total  Count within the field of view or within a specified area	Clothing		Face recognition  Individual	
	Line total  Entry/ exit count	 Jacket  Coat  Suit  Long-sleeved shirt  Short-sleeved shirt	 Shorts  Trousers  Skirt	Clothing color 8 colors:  Black  White  Pink  Yellow  Blue  Green  Red  Silver / Gray	
 Vehicles	Area total  Count within the field of view or within a specified area	Model 5 models:  Car  Bike  Bus  Truck  Motorbike	Car make & model 200 makes and 2000 models:  Audi  BMW  BUICK  CHEVROLET  CHERY  CITROËN  DAIHATSU  Ford  HONDA  HYUNDAI  KIA  LEXUS  MAZDA  Mercedes-Benz  MITSUBISHI MOTORS  NISSAN  PEUGEOT  SUBARU  SUZUKI  TOYOTA  VW  VAUXHALL		License plate recognition  100+ countries worldwide
	Line total  Entry/ exit count	車色 8 colors:  Silver/Gray  Black  White  Pink  Green  Yellow  Blue  Red			
	Illegal parking detection  Detection of illegal parking in a car park section/ area				

PERIMETER DETECTION



DRAW REGIONS OF INTEREST (ROI) WITHIN THE COVERED AREA PERIMETER TO CREATE A VIRTUAL FENCE AND RECEIVE ALERTS WHEN HUMANS ENTER THE CAMERA FIELD OF VIEW

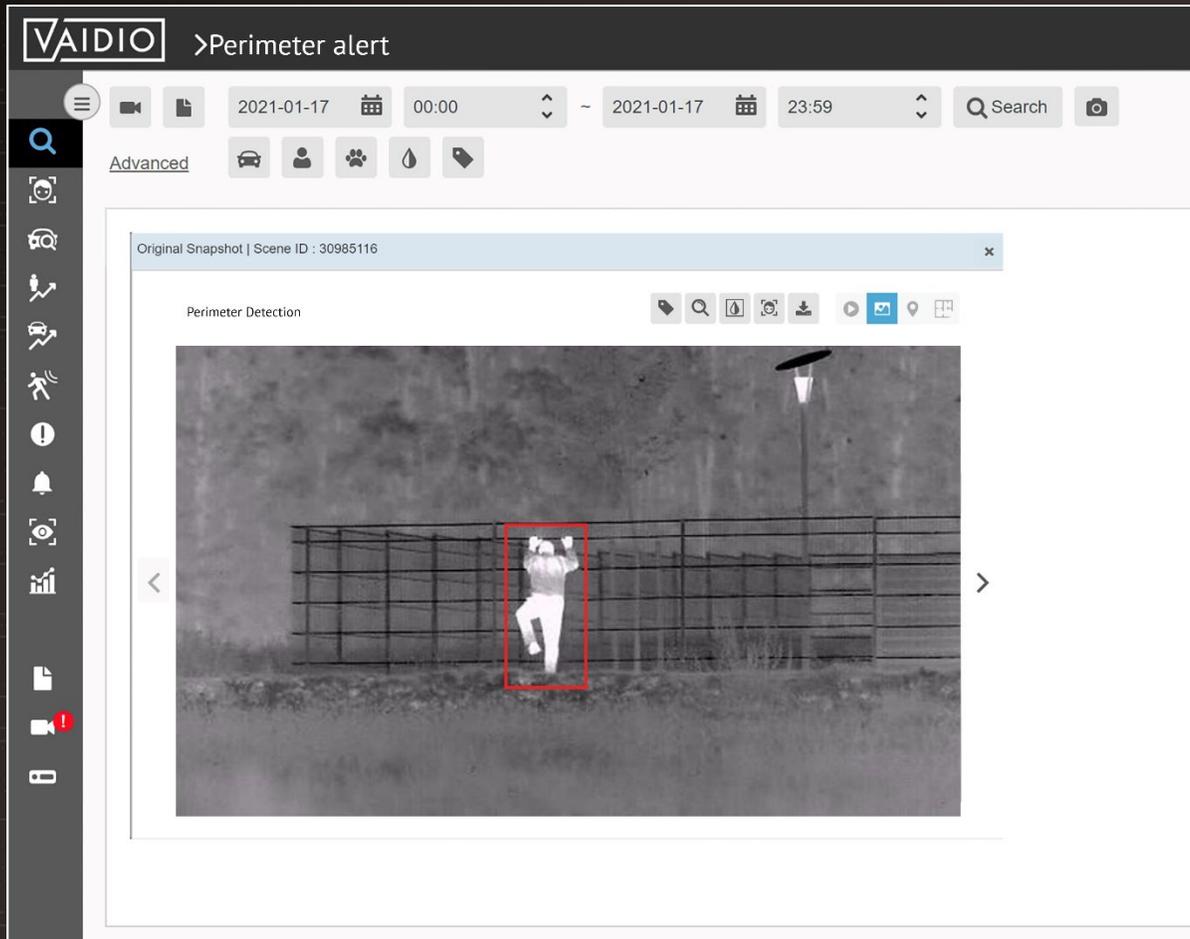
DETECT ABANDONED OBJECTS WITHIN THE COVERED AREA PERIMETER AND TRIGGER AN ALERT



DETECT LOITERING AND SUSPICIOUS BEHAVIOR WITHIN THE COVERED AREA PERIMETER AND TRIGGER AN ALERT

DETECT PARKED VEHICLES WITHIN THE COVERED AREA PERIMETER AND TRIGGER AN ALERT

PERIMETER DETECTION



VAIDIO IS ABLE TO DETECT PEOPLE, VEHICLE, ANIMALS AND OBJECTS IN A PERIMETER SCENE USING VIDEO FOOTAGE FROM LONG RANGE AND THERMAL CAMERAS

VAIDIO PERIMETER DETECTION AUTOMATES THE MONITORING TASK OF HIGH-RISK SITES TO PROVIDE A HIGH LEVEL OF SECURITY

VAIDIO SUPPORTS MULTIPLE ROIs IN THE SAME FRAME

DIFFERENT ALERT RULES CAN BE APPLIED FOR DIFFERENT ROIs

MULTIPLE ROIs CAN OVERLAP ONE ANOTHER IN THE SAME SCENE

GUARDS ON DUTY DETECTION



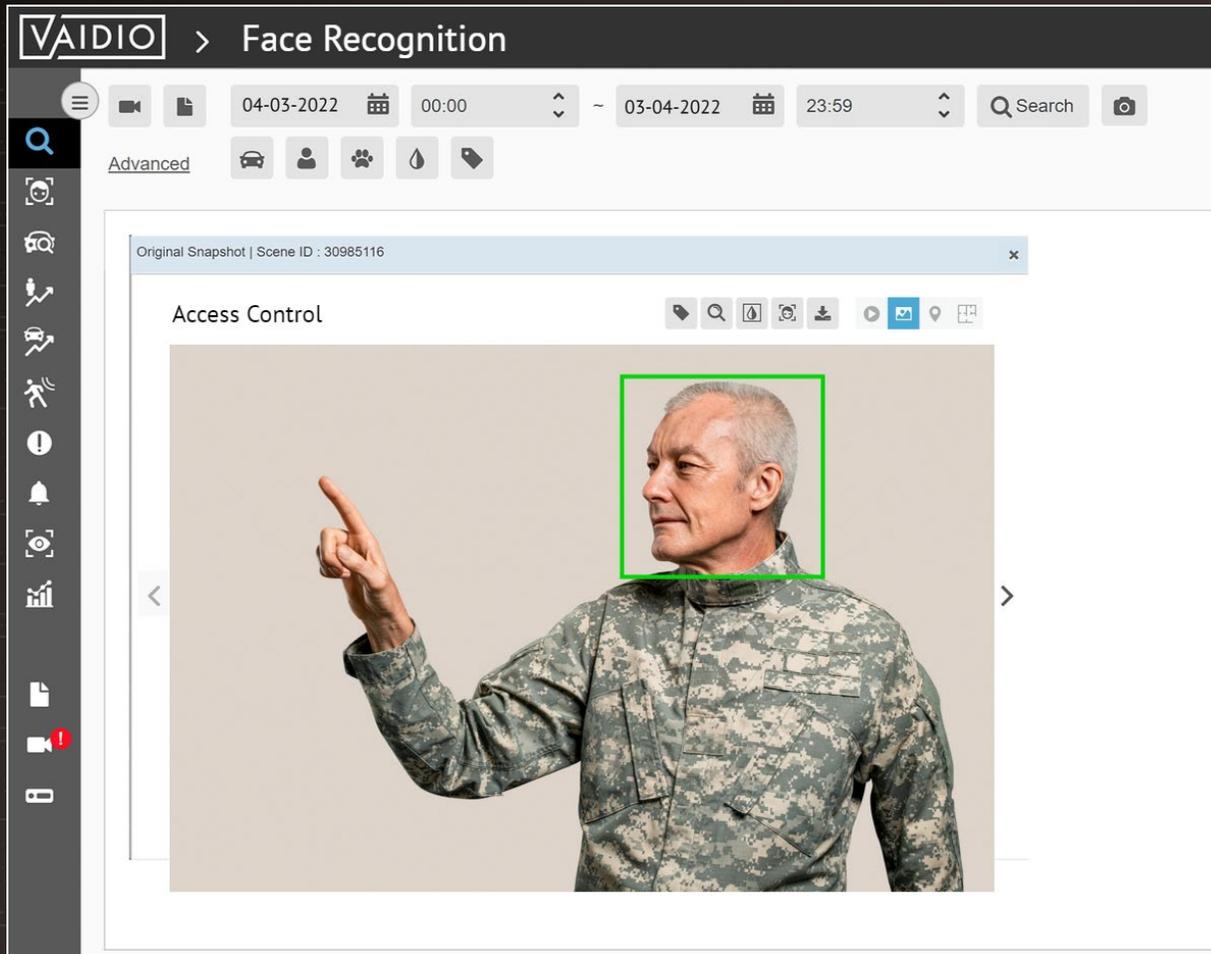
MAKE SURE THAT GUARDS ARE AVAILABLE AT CRITICAL MILITARY INFRASTRUCTURE TO PREVENT UNAUTHORIZED ACCESS

TRACK GUARDS ON A MAP IN REAL-TIME AND ALERT THEM TO GO BACK TO THEIR POSITION

INTEGRATION OF VAIDIO AI-BASED FACE RECOGNITION IN HRM SYSTEM

GENERATE ON DUTY REPORTS BASED ON INCIDENTS

ACCESS CONTROL



INTEGRATION OF VAIDIO AI-BASED FACE RECOGNITION IN ACCESS CONTROL AND HRM SYSTEMS TO UNLOCK ZONES FOR AUTHORIZED MILITARY STAFF ONLY

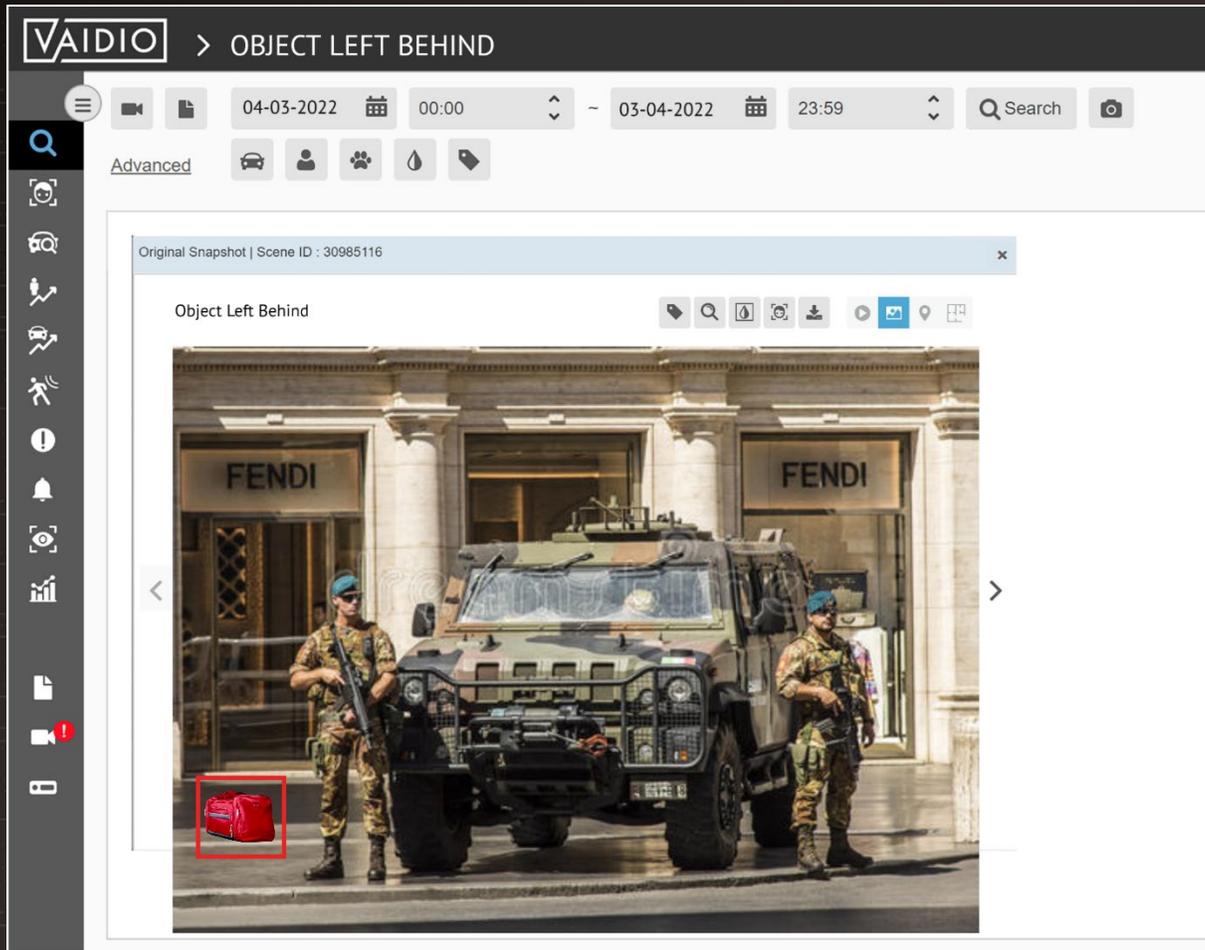
NO CONCERNS ABOUT BADGES THAT ARE LOST OR STOLEN AS BADGES ARE NO LONGER REQUIRED

VAIDIO FACE RECOGNITION ACCESS CONTROL PROVIDES ACCESS IN REAL TIME AND PREVENTS FRAUD

TRACK TARGET PERSONS ON A MAP AND PERFORM CONTACT TRACING IN CASE OF AN INCIDENT

GENERATE ACCESS CONTROL REPORTS BASED ON INCIDENTS

OBJECT LEFT BEHIND



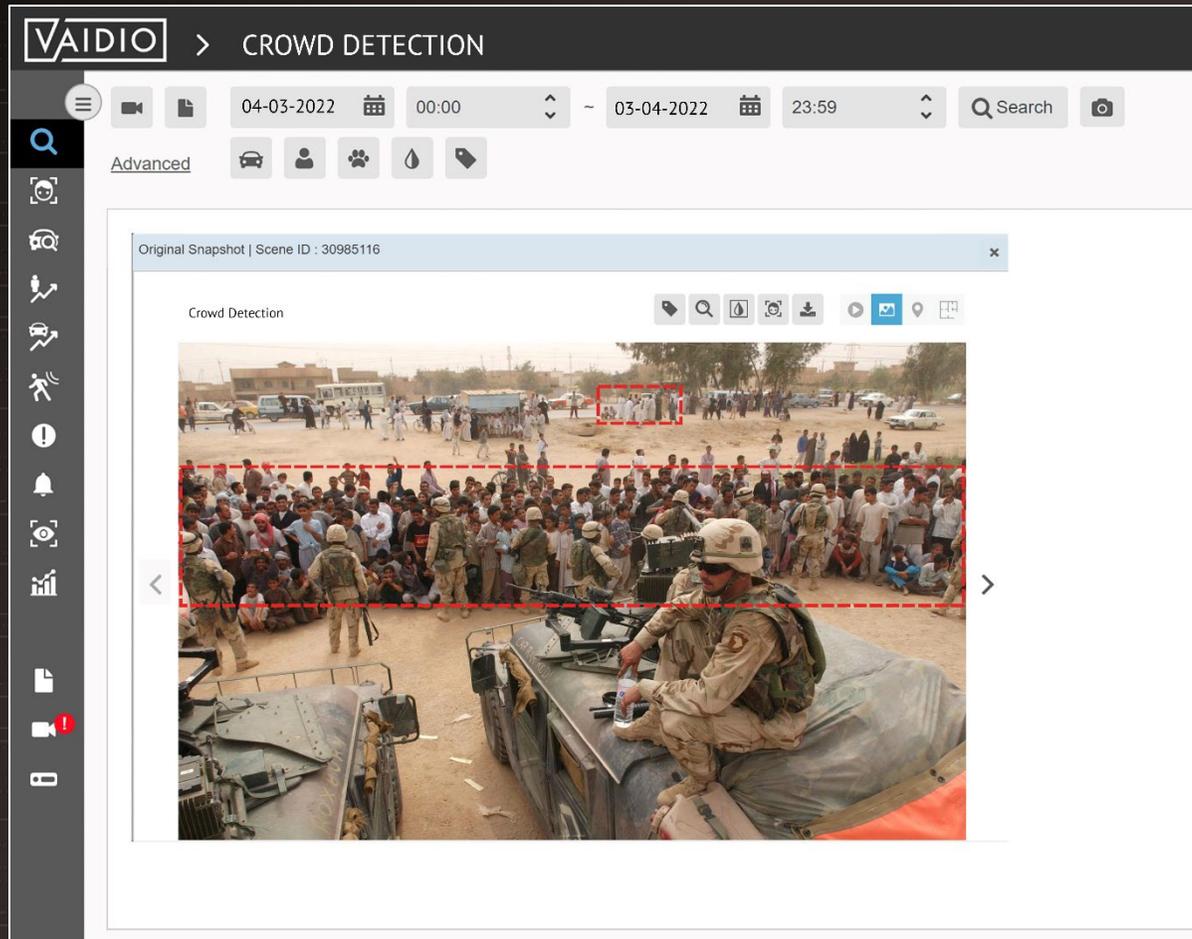
PREVENT POSSIBLE ARMED ATTACKS AND ELIMINATE THE THREAT TO LIFE AND HEALTH OF PERSONS IN PUBLIC PLACES

TRIGGER AN ALERT IF AN ABANDONED OBJECT REACH A CERTAIN (ABNORMAL) TIME THRESHOLD IN A SPECIFIED ZONE

IDENTIFY THE PERSON WHO LEFT THE OBJECT INSIDE A PUBLIC PLACE AND TRY TO LOCATE THIS PERSON AS QUICKLY AS POSSIBLE

NOTIFY SECURITY STAFF TO TAKE THE PROPER ACTION

CROWD DETECTION

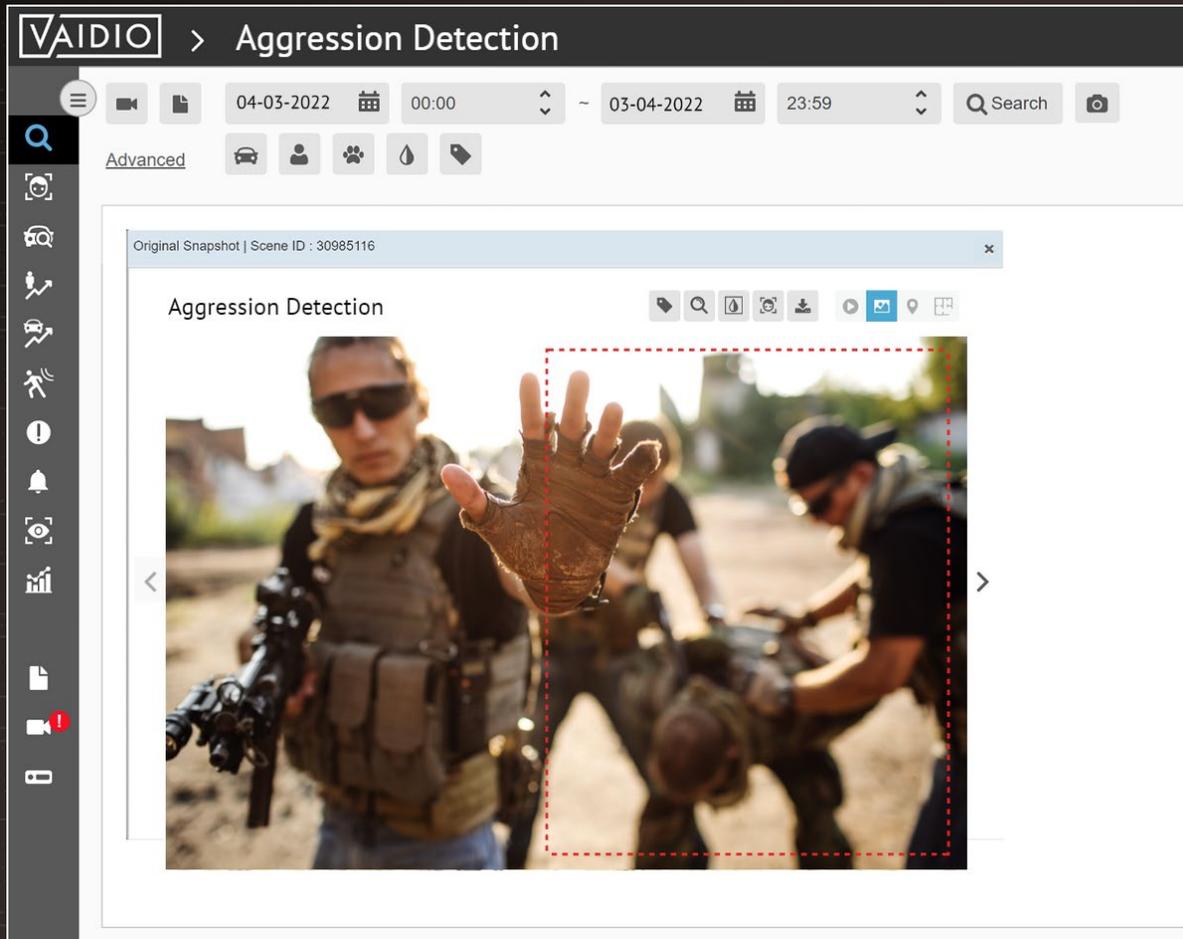


VAIDIO DETECTS CROWD FORMATIONS AND TRIGGERS ALERTS WHEN A SPECIFIED NUMBER OF PEOPLE IS COUNTED IN A PRE-SELECTED SCENE

CROWD DETECTION IMPROVES PUBLIC SAFETY BY DETECTING THE SUDDEN FORMATION OF CROWDS

CROWD DETECTION IS IDEAL FOR MONITORING PUBLIC PLACES, EVENT VENUES AND CAPACITY RESTRICTED ENVIRONMENTS

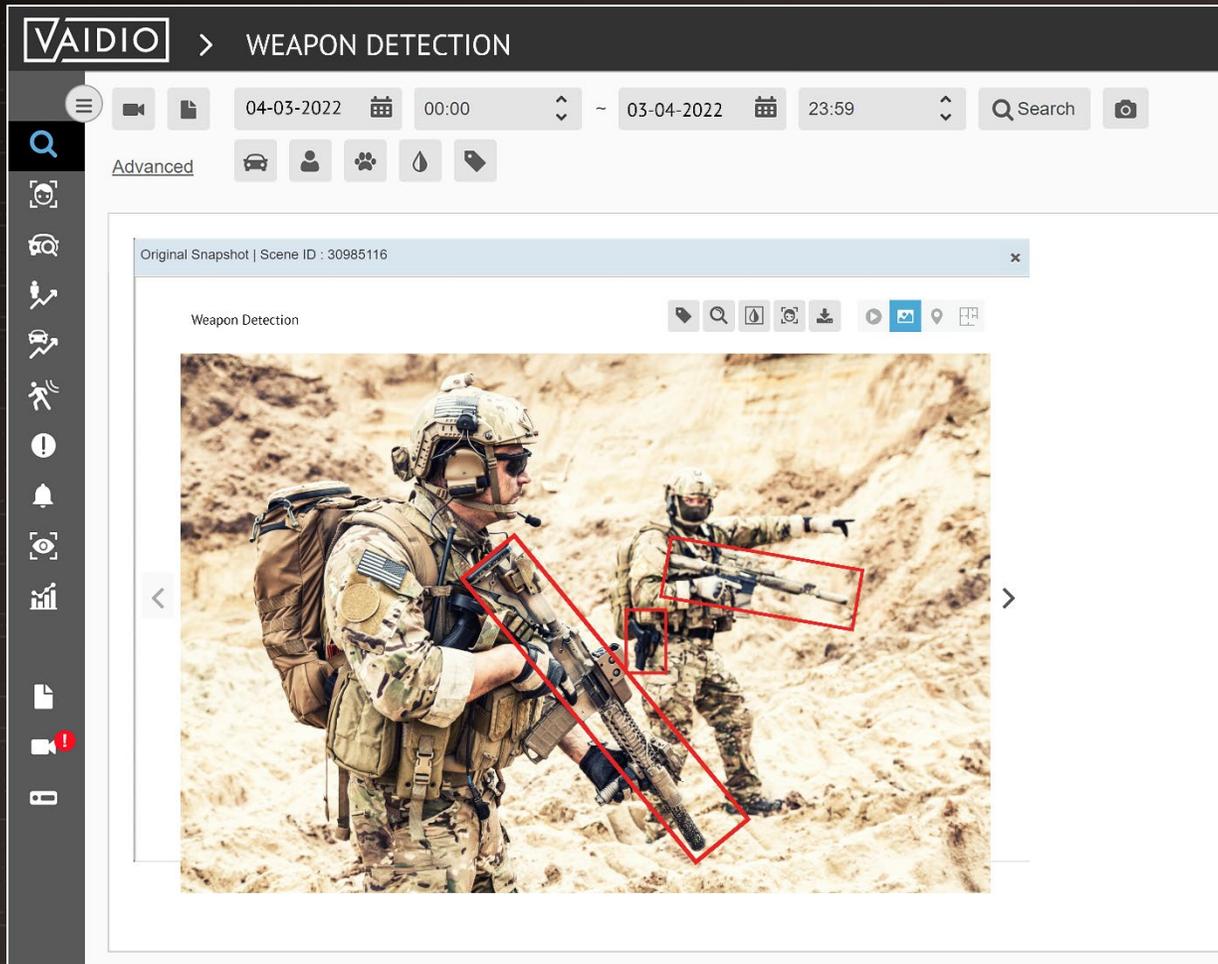
AGGRESSION DETECTION



MONITOR AND DETECT VIOLENCE AND AGGRESSION IN REAL-TIME AND TRIGGER AN ALERT

VAIDIO CAN IDENTIFY BEHAVIORS AND POTENTIAL THREATS SUCH AS DETECTING VIOLENCE AND HELPS TO MINIMIZE AND PREVENT CRIME

WEAPON DETECTION



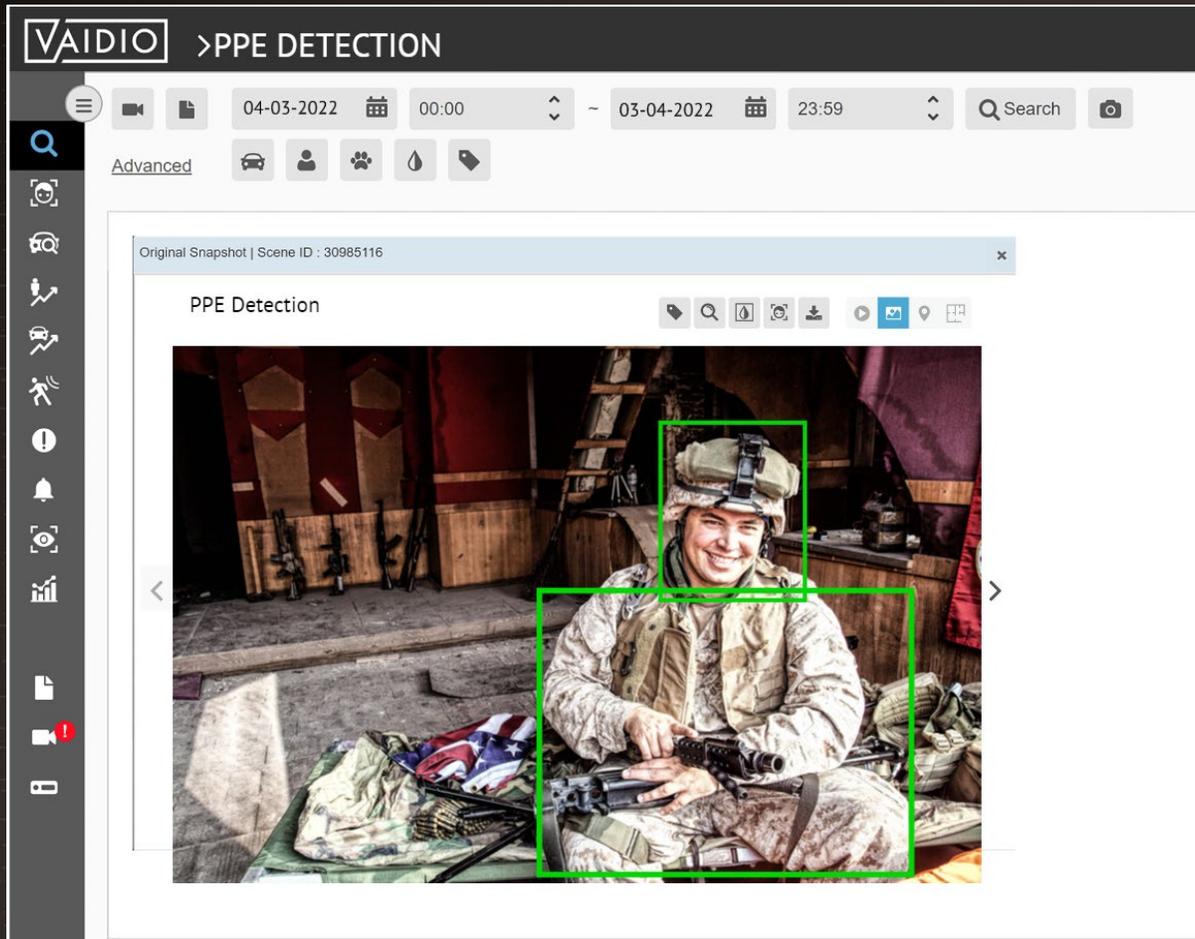
MONITOR AND DETECT WEAPONS IN REAL TIME AND TRIGGER AN ALERT WHEN A WEAPON ENTERS THE CAMERA FIELD OF VIEW

VAIDIO DETECTS HANDGUNS, SHOTGUNS, RIFLES AND MACHINE GUNS THAT APPEAR IN THE CAMERA FIELD OF VIEW

WEAPON DETECTION IS VALUABLE IN PROVIDING ACTIVE SHOOTER DETECTION WARNINGS BEFORE THE ACTUAL SHOOTING INCIDENT OCCURS

SOLDIERS CAN TAKE PROACTIVE MEASURES TO SAVE LIVES

PPE DETECTION



DETECT SOLDIERS THAT ARE NOT WEARING UNIFORM AND HELMET IN CONFLICT AND WAR ZONES

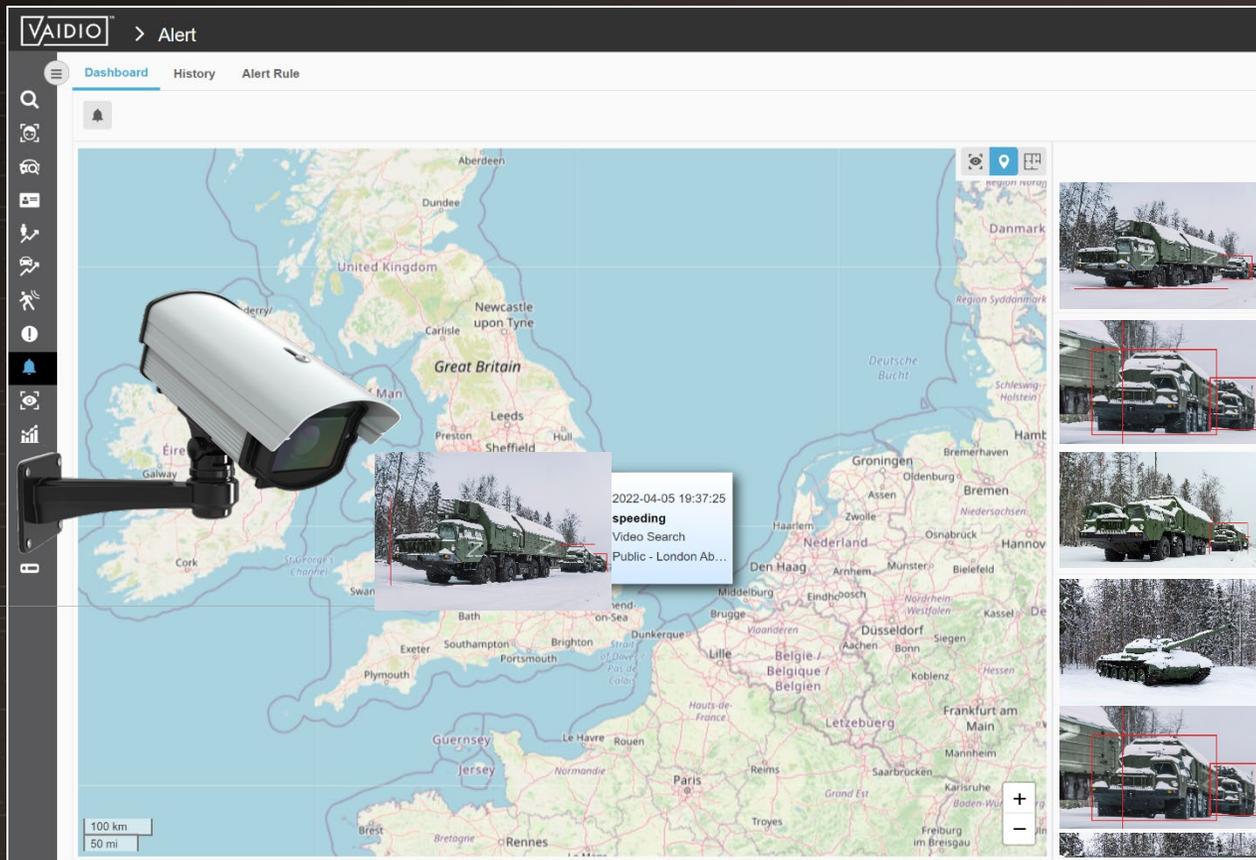
RECEIVE REAL-TIME ALERTS WHEN SOLDIERS ARE NOT WEARING PROTECTIVE GEAR

LEAVE BASE CAMPS BASED ON WHETHER PROTECTIVE GEAR IS IDENTIFIED TO IMPROVE SAFETY

MAP TRACKING OVER MULTIPLE CAMERAS

MAP POSITIONING FOR REAL-TIME ALERTS

GEOGRAPHIC INFORMATION SYSTEM (GIS)



VAIDIO AI TRACKING FUNCTION LOCATES PEOPLE, VEHICLE, ANIMALS AND OBJECTS ACROSS MULTIPLE CAMERAS AND CONNECTS THEM LINEARLY ON A MAP FOR EASY TRACKING

CAMERA LOCATIONS ON AN INDOOR OR OUTDOOR MAP

FIND PEOPLE, VEHICLES, ANIMALS AND OBJECTS BASED ON COLOR AND QUANTITY

INTERNATIONAL MAPS AVAILABLE



VAIDIO CAM APP



START RECORDING USING THE VAIDIO CAM APP

ANALYZE THE RECORDED VIDEO IN REAL-TIME WHEN VAIDIO DETECTS A FACE OR LICENSE PLATE

VAIDIO WILL MATCH THE DETECTED FACE OR LICENSE PLATE WITH THE DATABASE AND SHOW THE DETAIL INFORMATION ON VAIDIO CAM APP

FACE RECOGNITION INCLUDES THE SIMILARITY-%, THE NAME AND THE LIST NAME

LICENSE PLATE RECOGNITION INCLUDES LICENSE PLATE NUMBER, LISTNAME AND VEHICLE OWNER



MOBILE EDGE DEVICES



THE VAIDIO EDGE ANALYTICS MODULE IS A SMALL, SELFCONTAINED ANALYTICS APPLIANCE THAT CAN SUPPORT UP TO 4 CAMERAS

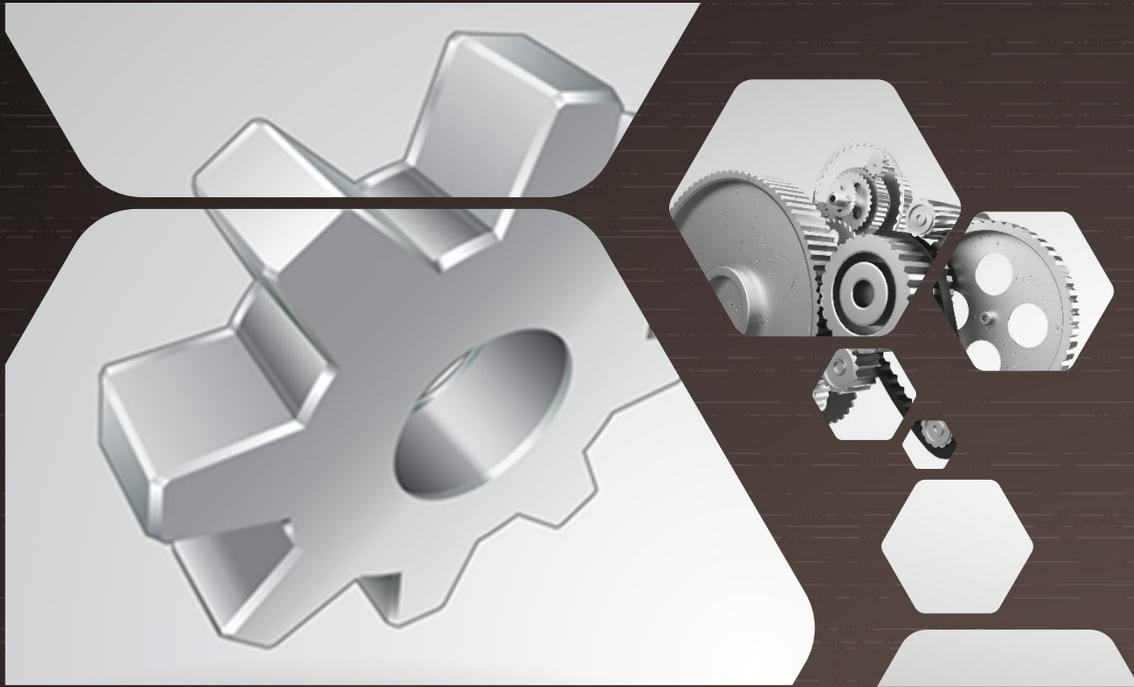
THE EDGE MODULE CAN BE USED STANDALONE OR AS AN EXTENSION TO A CENTRALIZED ANALYTICS APPLIANCE TO COVER REMOTE SITES, BRANCHES OR TEMPORARY EVENTS

ENABLES A RANGE OF ANALYTIC FUNCTIONS AT THE EDGE

PROCESS DATA ON DEMAND AND RECEIVE ACCURATE ALERTS IN REAL-TIME

WORKS WITH FIXED AND MOBILE CAMERAS ON BODY, DRONE OR VEHICLE

VAIDIO TOOL KIT



ADVANTAGES

EASE-OF-USE

NO KNOWLEDGE REQUIRED AROUND NEURAL NETWORKS, AI LIBRARIES, ALGORITHMS AND DATASETS

VERSATILITY

TRAIN A MODEL FOR ANY OBJECT

INTERFACE

INTUITIVE GRAPHICAL USER INTERFACE

SECURITY

NO DATA SHARING TO 3rd-PARTY LABELLING SERVICES

CUSTOMIZATION

NO CUSTOMIZATION FEE FOR CUSTOMER SPECIFIC REQUESTS

USE CASE



MILITARY INFRASTRUCTURE

CHALLENGE

DETECT DRONE SIGHTINGS OVER
CRITICAL MILITARY INFRASTRUCTURE

SOLUTION

TRAIN YOUR OWN DRONE DETECTION
MODEL WITH VAIDIO-DIY

BENEFITS

- ❖ PROTECT CRITICAL MILITARY
INFRASTRUCTURE
- ❖ PREVENT TERRORIST ATTACKS

INTEGRATION CAPABILITIES



CAMERA INTEGRATION

CLOUD PLATFORM INTEGRATION

ERP INTEGRATION



IO DEVICE INTEGRATION

SOFTWARE SERVICES

VMS INTEGRATION

MILITARY INFRASTRUCTURE



VAIDIO BENEFITS & SAVINGS

VAIDIO AI-ENABLED VIDEO ANALYTICS HELP MAINTAIN THE SAFETY

VAIDIO AI-ENABLED VIDEO ANALYTICS PROVIDES ACTIONABLE DATA TO ANALYZE & OPTIMIZE DECISION MAKING AROUND CRITICAL MILITARY INFRASTRUCTURE

REVIEW HOURS OF VIDEO IN SECONDS – INCREASE IN PRODUCTIVITY OF THE MONITORING MILITARY SECURITY STAFF

REAL-TIME ALERTS AND PRO-ACTIVE FOLLOW UP CAN PREVENT EVENTS FROM HAPPENING – DAMAGE REDUCTION

VAIDIO AI-ENABLED VIDEO ANALYTICS WILL REDUCE THE NUMBER OF FALSE POSITIVES TO A MINIMUM – SAVE TIME AND RESOURCES FROM INVESTIGATING FALSE ALERTS

MONITOR MULTIPLE CRITICAL MILITARY INFRASTRUCTURE FROM A CENTRAL LOCATION. PROVIDE REAL-TIME ALERTS TO ON-SITE MILITARY SECURITY STAFF VIA MOBILE DEVICES



VAIDIO™ AI VISION PLATFORM