Seeing Beyond the Visible

V | **VMukti** ™

AI-BASED SMART ANALYTICS SOLUTION

V ™

#StaySafe
#TogetherWeSolve

ABOUT
VMUKTI
SOLUTIONS

VMukti Solutions Pvt. Ltd. is a Gujarat based riginal Equipment Manufacturer (OEM) and System Integrator (SI) Company. We are serving a reputed client base since 2007.
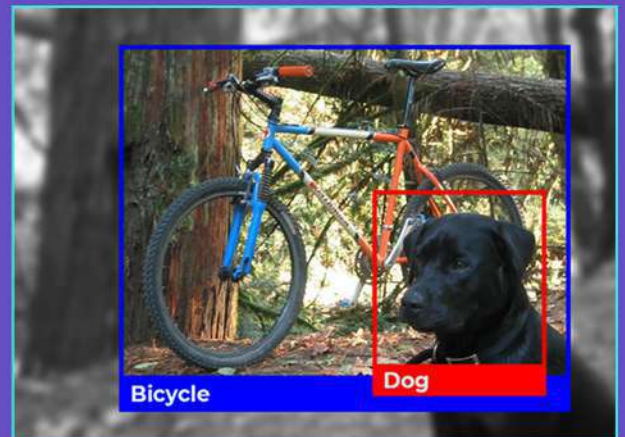Won numerous awards and accolades from NASSCOM, Red Herring & ISBA.

Delivering high-performance, low-cost AI-driven solutions featuring state-of-the-art technology.
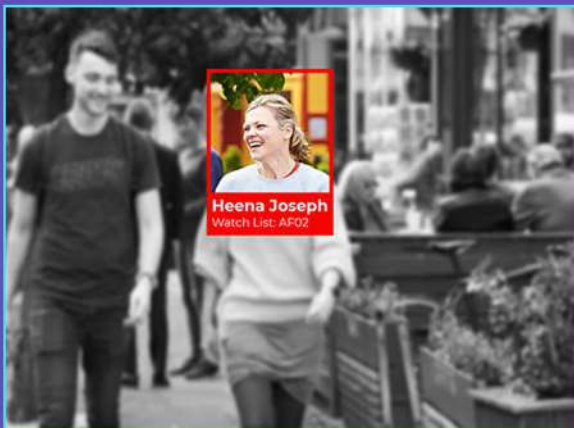
AI & ML embedded Analytics Software facilitates faster screening and active surveillance

INTELLIGENT
VIDEO ANALYTICS

Intelligent monitoring of objects, crowd, faces, ANPR, perimeter and vechicles

Object Detection

Face Detection

Number Plate

WHY **VMUKTI SOLUTIONS**
AI-BASED ANALYTICS SOFTWARE

Safe Screening, Accurate Surveillance & Faster Analytics!

AI & ML Powered Analytics Software Works Well with Most CCTV Camera Brands.

AI-based software solutions incorporate object tracking systems, object detection, object characteristic specification, bi-spectral sensor analysis features.

AI & ML based software is scalable, easy to install, protects privacy, and an adaptable solution.

ONE-STOP **SCREENING SOLUTION**

Social Distancing

Smart Analytics software ensures the right social distancing between people in public places, offices, queues, and other crowded areas.

AI sensors analyze the distance between people and alert the monitoring staff if the norms are not followed correctly. Instant online/ offline alerts help authorities to take swift action accordingly

Mask Identification

Mask is the new norm amidst the COVID-19 pandemic. Intuitive Artificial Intelligence technology in AI Software helps to detect people without a mask in public places, crowds, and queues. Live camera feeds enable distinguishing people who are not wearing a mask.

Fever Identification

The AI-based software solution is designed for accurate analytics. Through smart analytics, it provides contact-less screening at a faster pace with actual results. It enables thermal cameras to detect only the human skin surface temperatures.

AI & ML technology prevents false alarms of other heat-emitting objects. Thermal technology gives more flexibility and accuracy in detecting the skin-surface temperature of humans.

Face Recognition

Face Recognition technology enables access control and track employee attendance with zero-contact. AI-backed sensors track 80+ facial points to draw a unique and impressive faceprint. These facial contours are used to detect the identity of the person.

Artificial technology amalgamated with Machine Learning and Smart Analytics ensures complete security and accuracy.
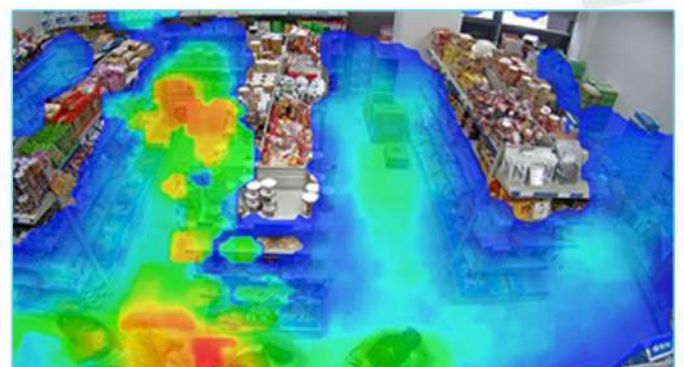

Person Headcount

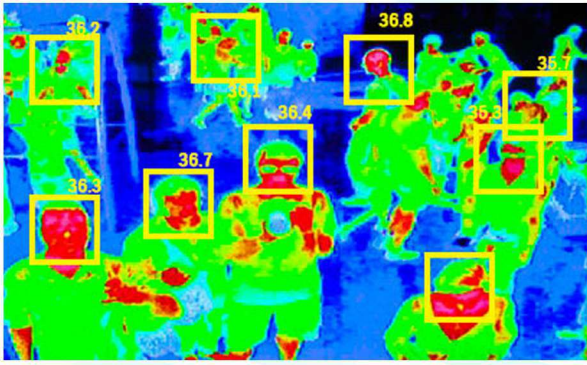Machine learning analytics software swiftly provides the automated person headcount estimates for crowds.

The technology works to read headcounts in public rallies, sporting events, or crowd-driven areas.

Heatmap Detection

The incubation period of Coronavirus is 14 days. AI-based analytics software tracks the areas visited by a COVID +ve person during the incubation period.

The analytics then processes the historic feeds from CCTV clips to provide accurate inputs on the locations and contacts visited by the infected person.

Entry/Exit Monitoring

AI Software screens every individual coming inside or outside the premises through visualized technology. Cameras deployed at entry and exit points help to monitor the behavior of the people.

AI-based software helps to detect anomalies in real-time. AI analytics software detects COVID +ve symptoms and helps authorities to refrain the entry of possibly contagious person

Online/Offline Alert

Live camera feeds provide instant notifications if it founds anything unfavorable in terms of security or health-related concerns. It offers high accuracy in detecting anomalies and raising alerts.

AI & ML ANALYTICS SOFTWARE

Camera Temper Detection

Object Detection

Human Detection

Face Identification

Advanced Motion Detection

People Counting

Region Entrance / Exiting

Line Crossing

Loitering

Cutting-edge Anomaly Detection

AI-software powered cameras track anomalies through smart analytics and machine learning patterns and notify the authorities or monitoring staff through online and offline alerts.

Detect Intrusions in Real-time

In case of unauthorized access or interruptions, the AI software security cameras raise alerts in real-time.

Automatic Alerts of Security Breaches

AI features analytics software gives automatic alerts through online or offline modes. Get instant alerts in case of security breaches in the premises under the surveillance.

Video Clip for Immediate Verification

Live camera feeds, and instant video clip allows verifying the event- instantly.

Detect Unusual Events and Behavior

VMukti Solutions' AI software security equipment detects unusual events by timely analyzing suspicious behaviors and patterns.
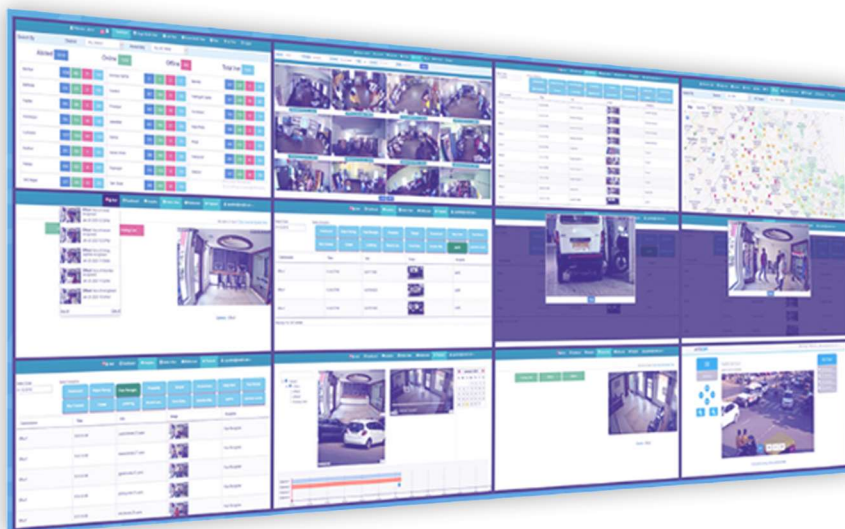
Real-Time Video Streaming

Get real-time video streaming and live webcasting through VMukti Solutions' AI-driven technology.

Cloud Storage

US-located datacentres with 25000+ locations monitored simultaneously to ensure zero-downtime.

Up to 80% Saving in Setup time

Enjoy time-efficient deployment as all the equipment and solutions delivered by VMukti Solutions are easy to install and setup.

APPLICATION AREAS OF
AI SOFTWARE

Competent AI analytics software can be installed in CCTV cameras for active surveillance and screening in the following areas.

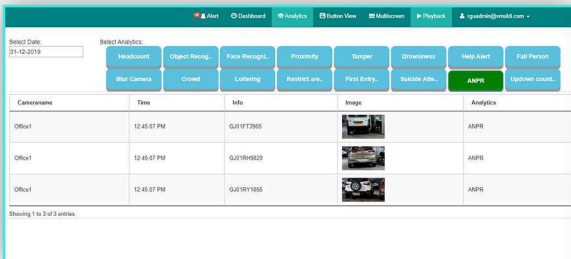| Campus monitoring	Financial institution	Business premises monitoring	Hotels and Casinos	Govt. Office monitoring
Govt. Service Centres monitoring	Gym monitoring	Health Centre monitoring	Airports monitoring	Metro Station monitoring
Shopping Malls monitoring	Schools monitoring	Prison Premises monitoring	Cinema/Theatre monitoring	Warehouses and Logistics
Bus Station monitoring	Hotels monitoring	Residental Society monitoring	Retail Showroom monitoring	Sports Complex monitoring
Library monitoring	College/ Universities monitoring	Banks monitoring	Railway Station monitoring	Study Institution monitoring
Smart City monitoring	Hospital monitoring	Factories / Plants monitoring	Large Scale Venues	etc...

SOFTWARE PRODUCT PACKAGES WITH EXCLUSIVE
BUILT-IN FEATURES

VM-72VMS
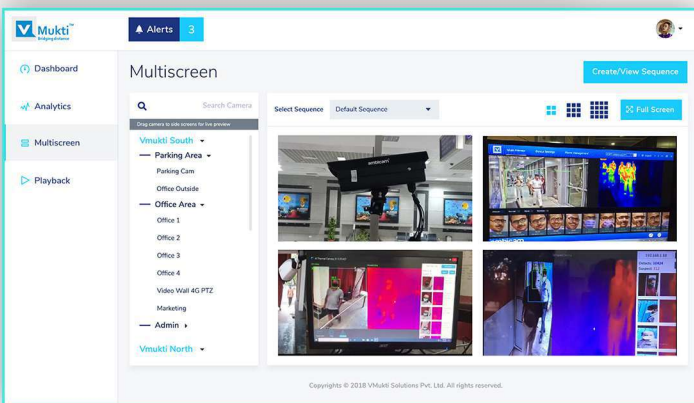
VMS - Storage, Retrieval, Playback - Per Camera Per Viewer License

✓ **Dashboard, Reports, Configuration, etc.**

✓ **Mapview, Gridview, Listview**

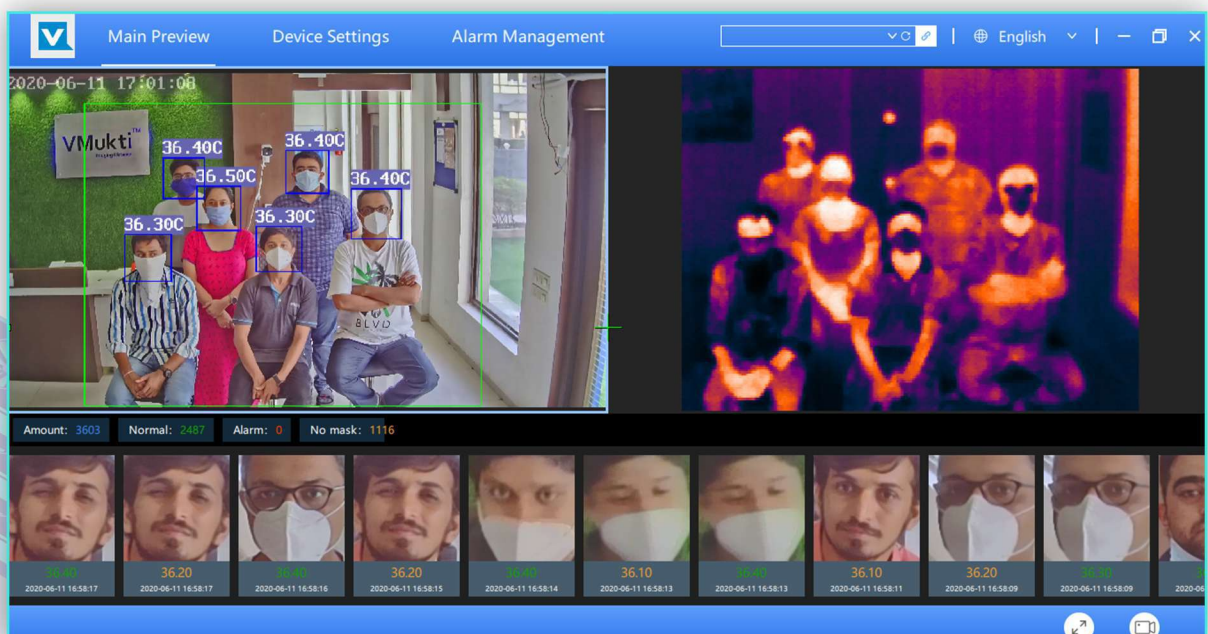✓ **Web Portal, Android/ IOS App Interface**

VM-72VASFD

Fever Detection Video Analytics Bungle - Per Camera License [Requires Thermal Fever Detection Cameras]

✓ **Body Temperature of the person or object**

✓ **Alerts with face images on the VMS/ App interface for over-limit / Fever Detection**
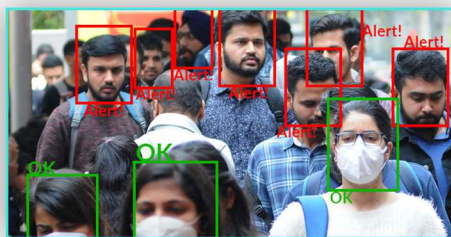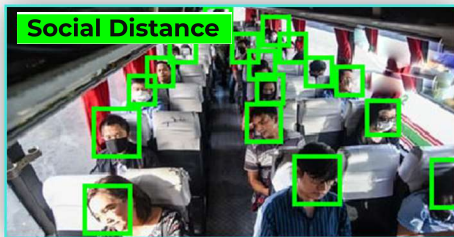
VM-72VASSB

Video Analytics / Surveillance Bundle - Per Camera License

- ✓ **Intrusion detection for an identified area, tripwire / PIDS**
- ✓ **Object/missing object identifier, unattended baggage, Smoke/fire detection, etc.**
- ✓ **People count with direction details in a specific area.**
- ✓ **Crowd Behaviour / vandalization / Fighting**
- ✓ **Alerts for Intrusion / Missing Objects, etc.**

VM-72VASFR

Face Recognition / Attendance / POI Search Bundle - Per Camera License

- ✓ **Configure staff personnel / Security etc. for Known faces**
- ✓ **Identify Black Listed Faces and raise an alert**
- ✓ **White Listing, Staff Face recognition, and log / Attendance Reporting via Dashboard**
- ✓ **Maintain face data and visitation timing logs for known and unknown faces**

VM-72VASANPR

Number Plate Recognition Bundle - Per Camera License

- ✓ **Identify the number plate of the vehicles using video analytics and capture time log**
- ✓ **Key Asset / Vehicle Monitoring / Staff vs. visitor vehicle monitoring**
- ✓ **Office/Staff Vehicles identification and time log**

VM-72VASTM

Traffic Monitoring / Urban Mobility - Per Camera License

✓ **Traffic flow speed on roads, Vehicle count & types, Breakdowns alerts, pedestrian/cyclist density**

✓ **Lane discipline, wrong parking one-way violations, Jumping a Traffic Signal, etc.**

✓ **Visibility Indicators, Road Conditions, Severe Rain or Flood on-road alerts**

VM-72VASSP

Smart Parking Bundle - Per Camera License

✓ **Identify Parking lots and occupied slots**

✓ **Maintain a database of all Identified Vehicles log**

VM-72VASSH

Safe Home - Per Camera License
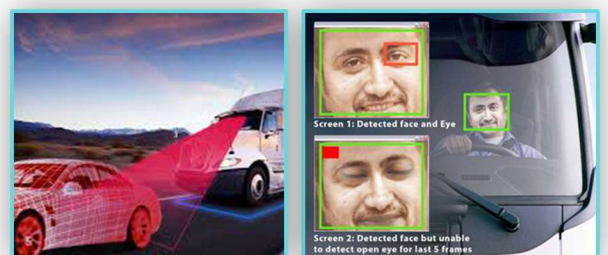
✓ **Baby / Elderly / Pet Monitoring**
✓ **Perimeter Monitoring Day & Night, Object Missing, Parking lot Monitoring**

VM-72VASSV

Smart Vehicle Bundle - Per Camera License

✓ **Driver Drowsiness & Distraction alerts**
✓ **Collision Detection Warning alerts**

VMukti™

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