



To *look deeper* is to fully understand the complexities of the world around us.

# Safe City Offerings

Videonetics True AI-Powered  
Unified Video Management Platform

**Ravi Kumar**

AVP – Business Development



**Urban Population**

**70%**

Of the World's population to live in cities by 2050" - UN



**Smart City market growth**

**13.13%**

Expected CAGR during 2023-28 : STATISTA

**More than**

**250**

**Smart City projects globally**

**Urban Evolution  
requires tech-driven  
infrastructure**

**Videonetics is the world's first  
True AI powered unified platform  
to manage and compute video  
data.**



## Video Management System

Futuristic and secure video management system.

## AI-Enabled Video Analytics

Deriving actionable intelligence through data-driven insights.

## Traffic Management System

Multifaceted solution for urban traffic challenges.

## Face Recognition System

See through faces and details with the power of AI.

## VSaaS Platform

Cloud-based video management platform.





# About Videonetics



# Our Journey of Growth & Innovation





# A Market Leader across verticals

*100+*  
*enterprises*



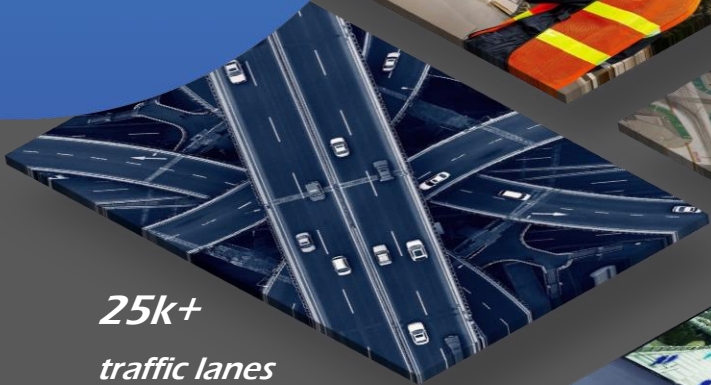
*80+*  
*airports*



*150+*  
*cities*



*25k+*  
*traffic lanes*



*300k+*  
*cameras*







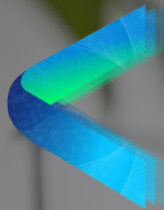
Videonetics is the market leader in India, and is among the top players in Asia

#1

VMS Brand in India

Among the Top 5  
in Asia





# Pioneering in Video Computing

& STRONG FOCUS ON CREATING INTELLECTUAL PROPERTY

Patents from USA, UK, Israel, Singapore, Canada and India

# Our Accolades

## Global awards

500

Technology Fast 500  
2018 APAC WINNER

DELOITTE TECHNOLOGY FAST  
500 APAC - 2018

Among the fastest growing  
technology companies in Asia Pacific

IE20

MAYOR OF LONDON AND  
LONDON & PARTNERS - 2018

Emerging Indian Enterprise  
of the Year

BETA AWARDS -  
2021

Global Technovation  
Award Under Smart  
City Category

WORLD  
ECONOMIC  
FORUM - 2021

Selected as  
Technology Pioneer

NASSCOM  
TECHNOLOGY  
EXCELLENCE  
AWARD - 2019

Rising Star in AI &  
ML

ET & STATISTA  
RESEARCH INDIA'S  
GROWTH CHAMPIONS  
- 2020

Among the fastest growing  
companies in India

OUTSTANDING  
SECURITY  
PERFORMANCE  
AWARDS - 2020

Outstanding New Security  
Product

iNFHRA WORKPLACE  
PARTNER AWARD -  
2020

Best Video Management  
System Company

SECONA  
SHIELD AWARDS

Innovative Product of the  
Year - 2018, 2016  
Best R&D Effort of the  
Year  
- 2015

SOFTWARE  
TECHNOLOGY  
PARKS OF INDIA

Export Award  
2018-19

FSAI FIST  
AWARDS

Indian OEM of the  
Year - 2019  
Best Innovation in  
Security - 2018, 2021

COMPUTER  
SOCIETY  
OF INDIA

IT Excellence Award  
- 2020

DELOITTE  
TECHNOLOGY  
FAST 50 INDIA -

2018 Fastest Growing  
Technology Enterprise

OUTSTANDING  
SECURITY  
PERFORMANCE  
AWARDS

Finalist 2020  
Outstanding Security  
Equipment  
Manufacturer

## Other prestigious awards



## Market Leadership & Industry Recognitions



With over a decade in the market, ITMS has proven to be the right choice for **100+ cities** and monitoring **25K+ traffic lanes** worldwide.

### ACCLAIMED AWARDS *for ITMS*

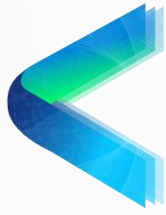
**NASSCOM  
TECHNOLOGY  
EXCELLENCE AWARD**  
Rising Star in AI & ML -2019

**SECONA SHIELD AWARDS**  
Innovative Product of the Year  
- 2018, 2016

**FSAI FIST AWARDS**  
Best Innovation in Security  
- 2018

**COMPUTER SOCIETY  
OF INDIA**  
IT Excellence Award  
- 2020





Our Esteemed Clients

# Major City Surveillance deployment in India



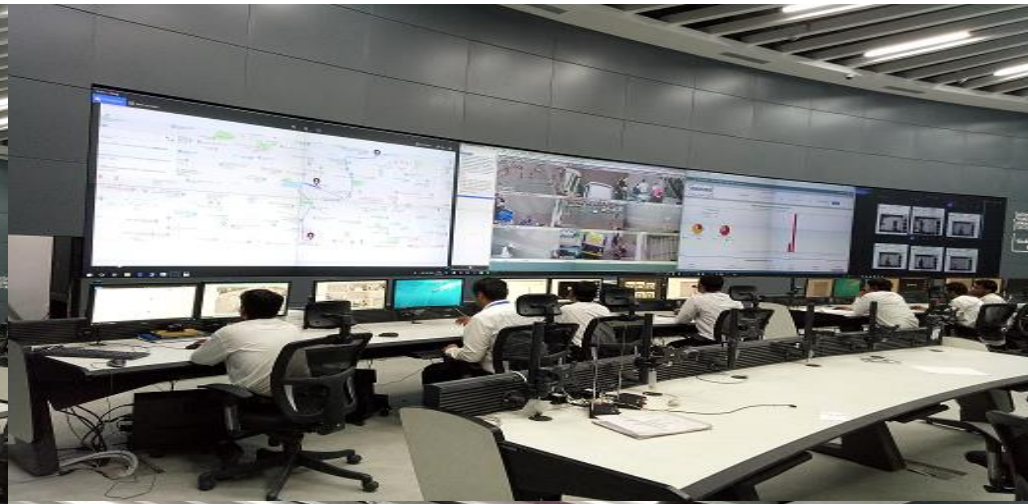
Experience in deploying complex Multi-site projects:

- State of Gujarat – 34 Districts
- State of Andhra Pradesh – 18 Districts
- State of Madhya Pradesh – 61 Cities





# Smart/Safe City : Nagpur, Vadodara, Indore, Bhopal, Jabalpur, Panaji, Chennai, Davanagere, Faridabad, Bhagalpur, Mangalore, Cochin, Ujjain, Gwalior, Sagar, Satna, Tumkur, Karimnagar, Warangal, Trivandrum, Punjab 3 cities



# Use Cases for Safe & Smart Cities



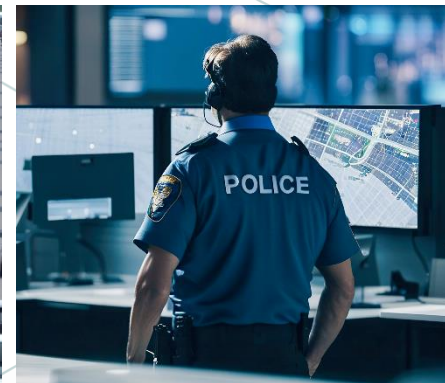
Urban & Municipal



Safety & Security



Traffic Management

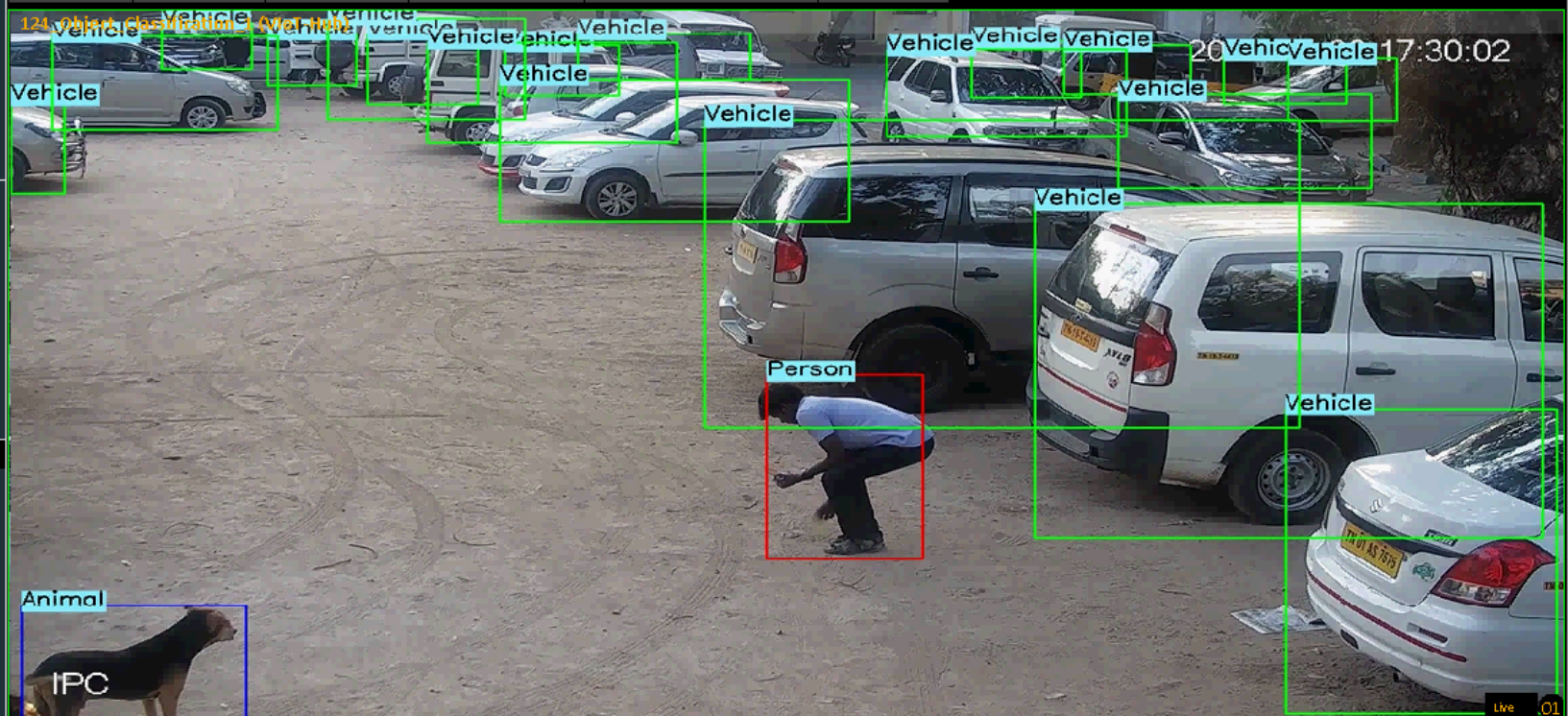


Law Enforcement



- Location(s)
  - Default (10)
  - Direct2Cloud (1)
  - RemoteClientStreamer (5)
  - SUVA (3)
- Group(s)
  - Default (18)
  - Mobile\_Str\_Vivotek (0)
  - Mobile\_Str\_Axis (0)
  - Mobile\_Str\_Honeywell (1)
  - Mobile\_Str\_LiIn (0)
  - Mobile\_Str\_Infinova (0)
  - Mobile\_Str\_Unknown (0)

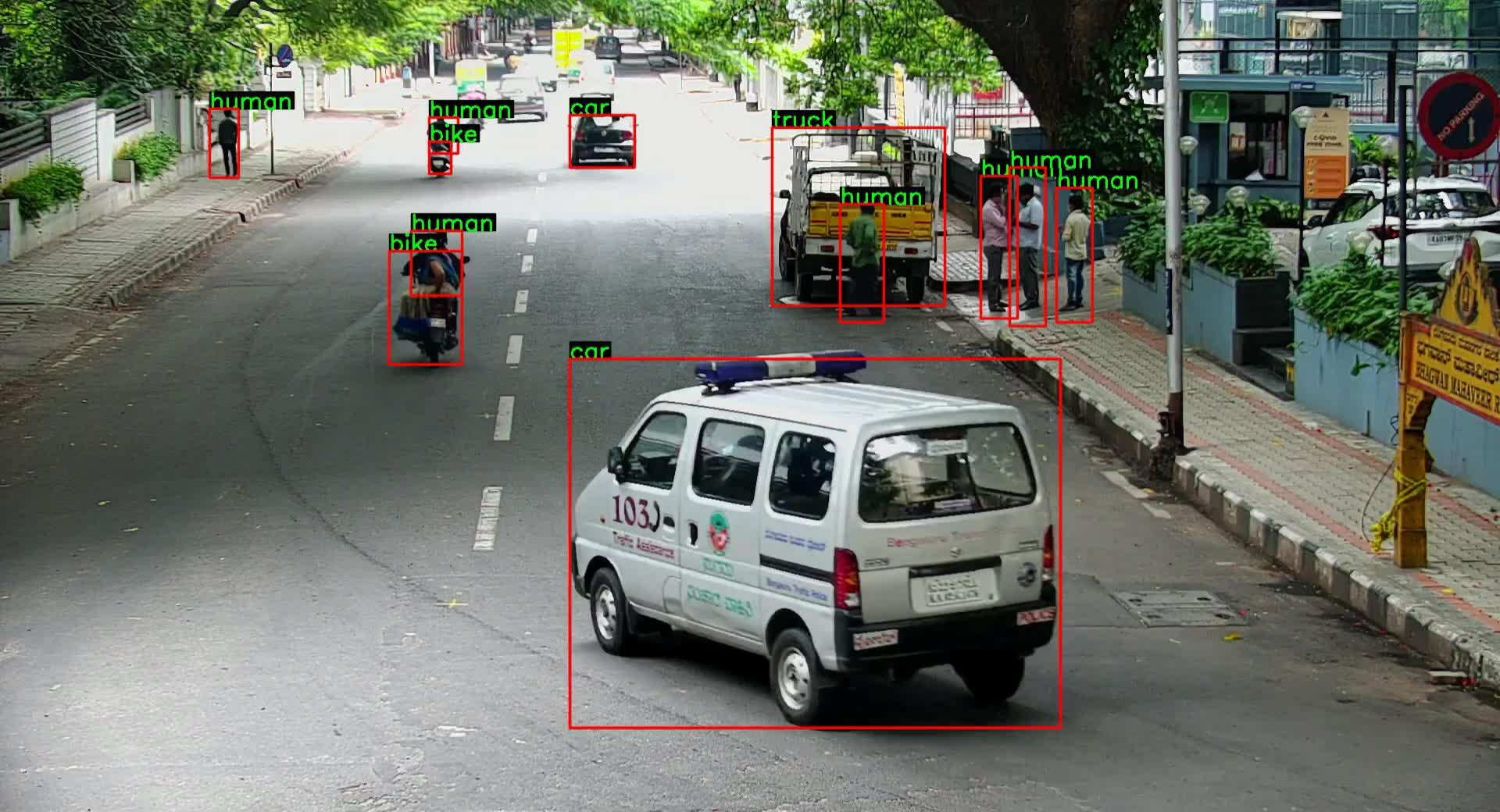
Video Matrix | Video Digging | Video Stitching | Current Events (All) | Current Events (Hot Listed) | Archive video



- Bookmark(s) | Site Map
- a
- b
- c

Events | Zone Alerts

Time	Camera	Events	Message	Action	Priority



human

human

car

truck

human

human

bike

human

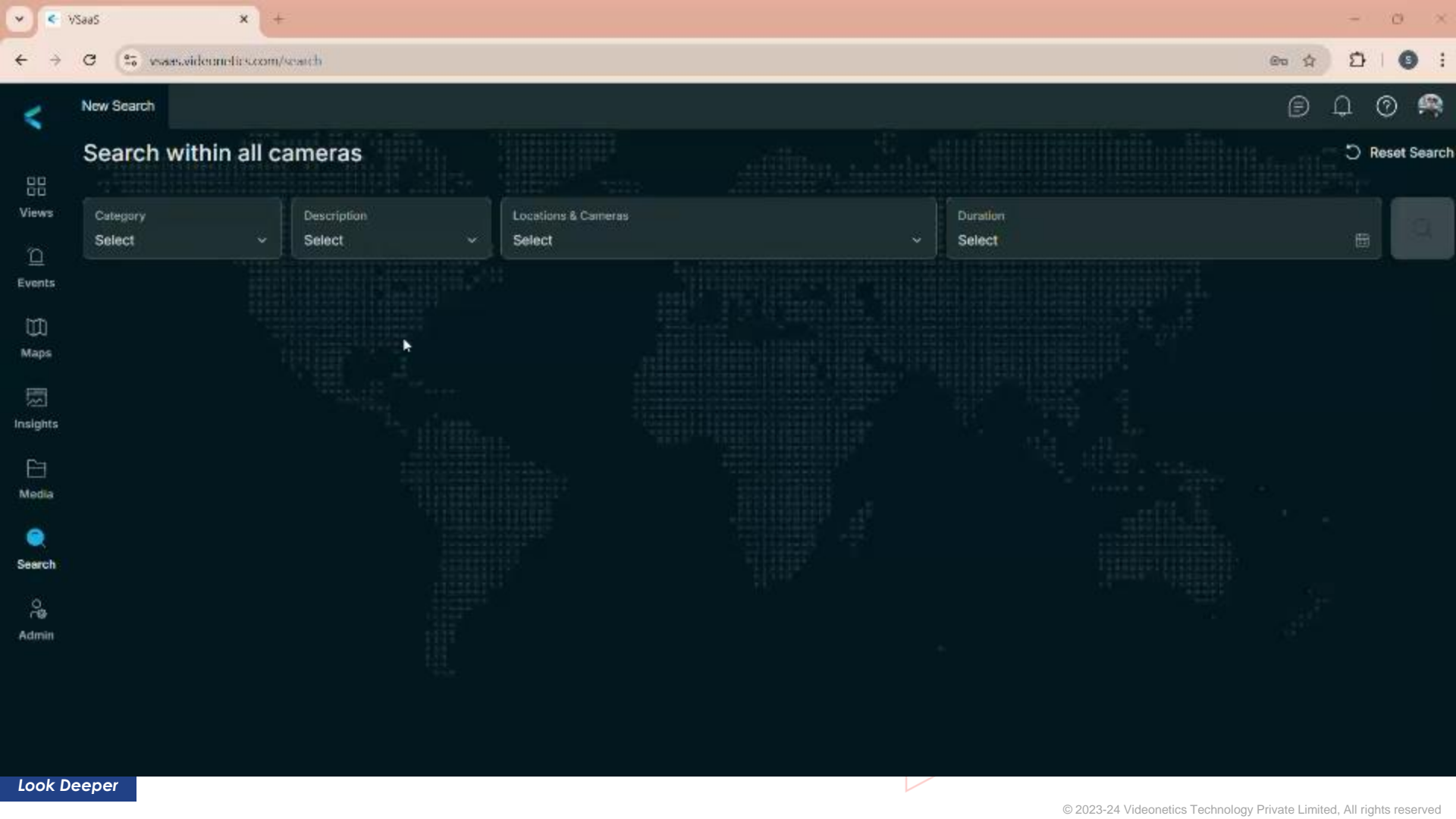
human

bike

car

#Vehicle :: 6, #Human:: 7, #Animal :: 0





New Search

## Search within all cameras

Reset Search

Views

Events

Maps

Insights

Media

Search

Admin

Category

Select

Description

Select

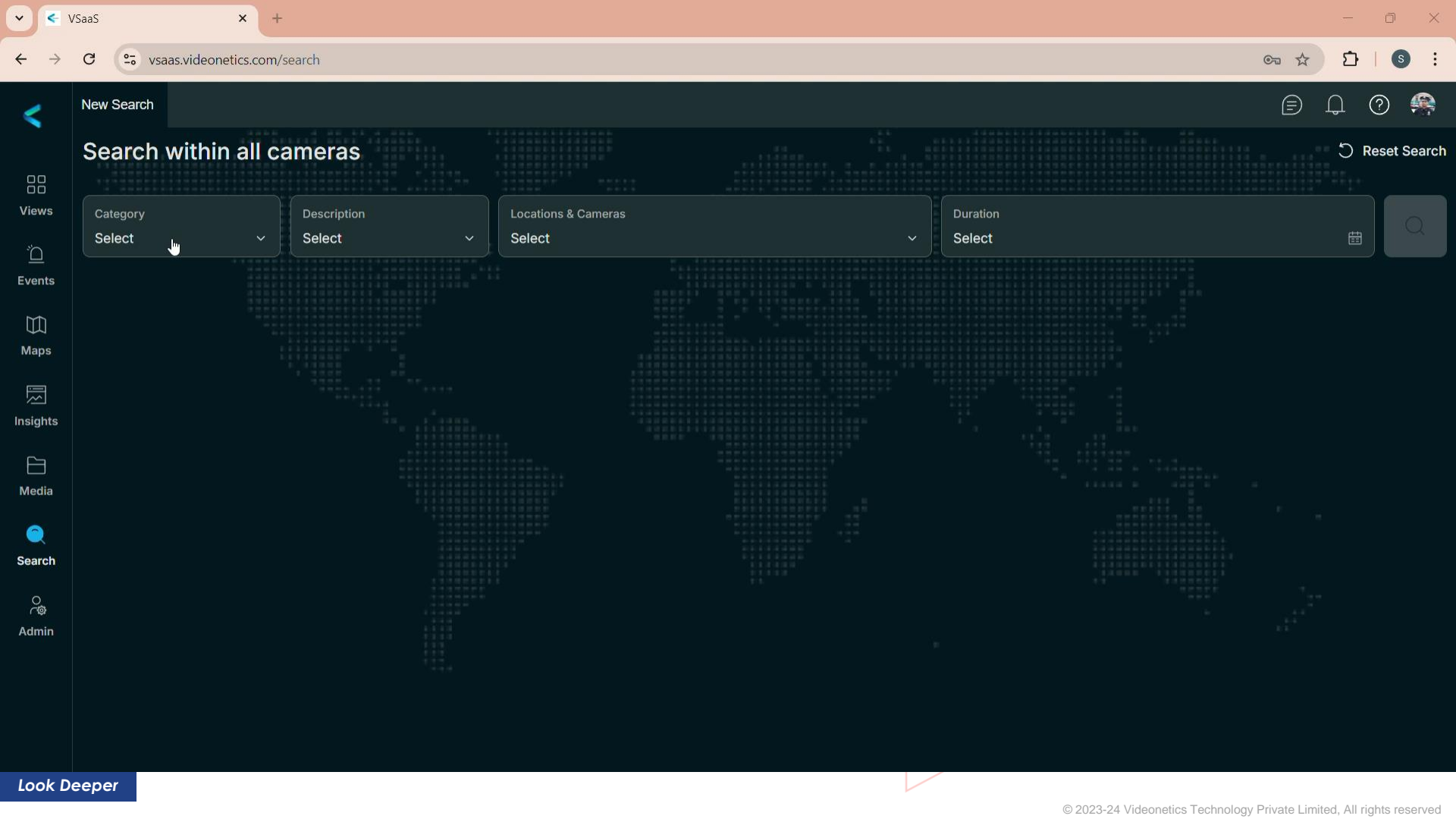
Locations & Cameras

Select

Duration

Select





New Search

## Search within all cameras

Reset Search

Category

Select

Description

Select

Locations & Cameras

Select

Duration

Select

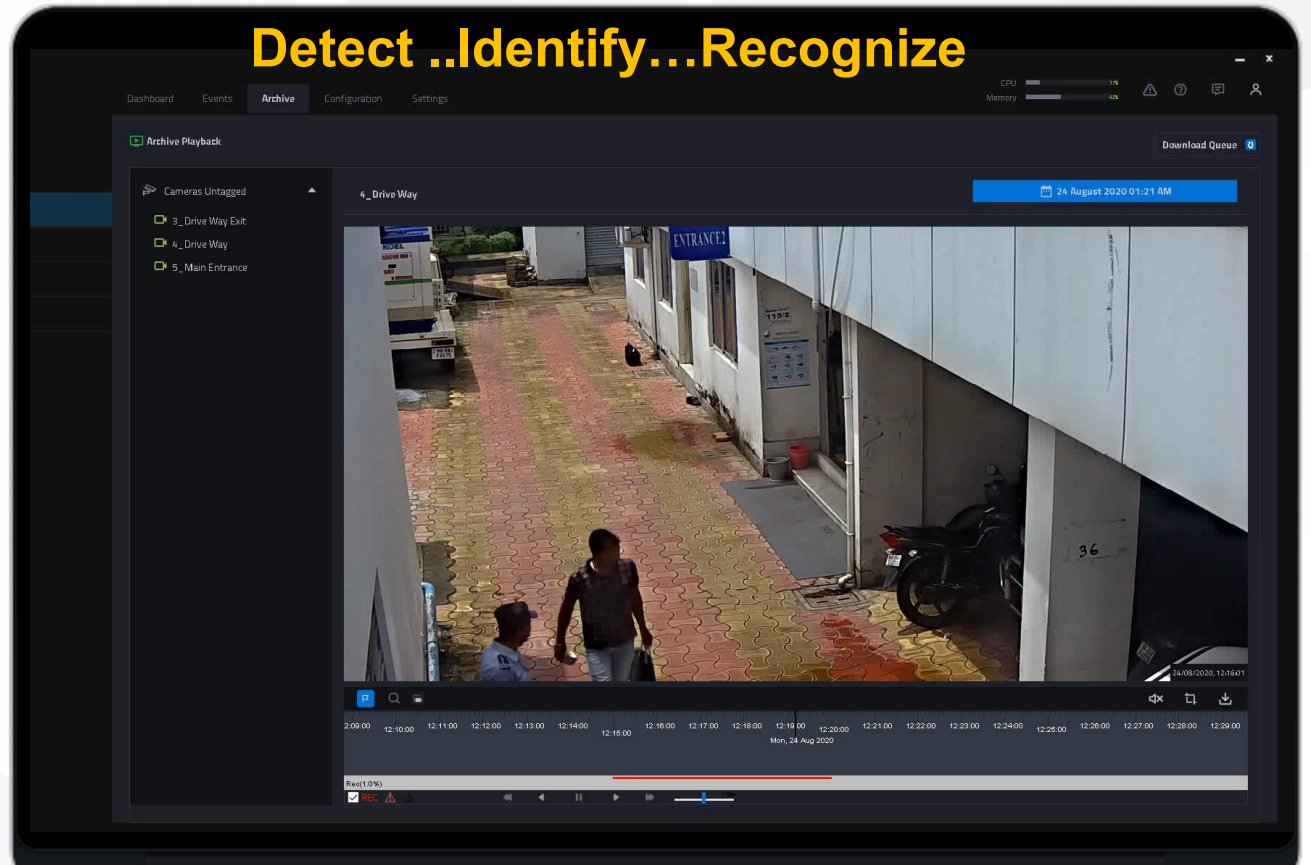




# Real World Applications

## FORENSIC INVESTIGATION

Today, forensic investigations, including compilation of robust video evidence, is regarded as the most scientific and effective way of investigating and building a case.





Live Cameras

Add to Bookmarks 1x1 Detach Record Live

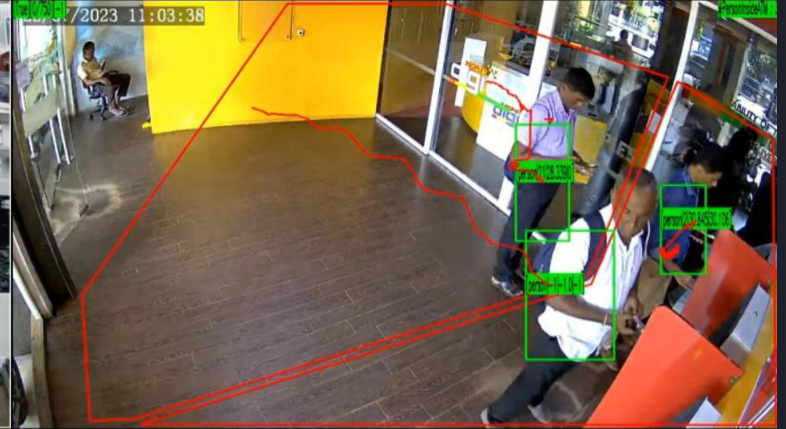
Search...

Collections

Bookmarks

Map

External Systems



MR2-172 2022-10-08 16:01:22





Live Cameras

Add to Bookmarks 1x1 Detach Record Live

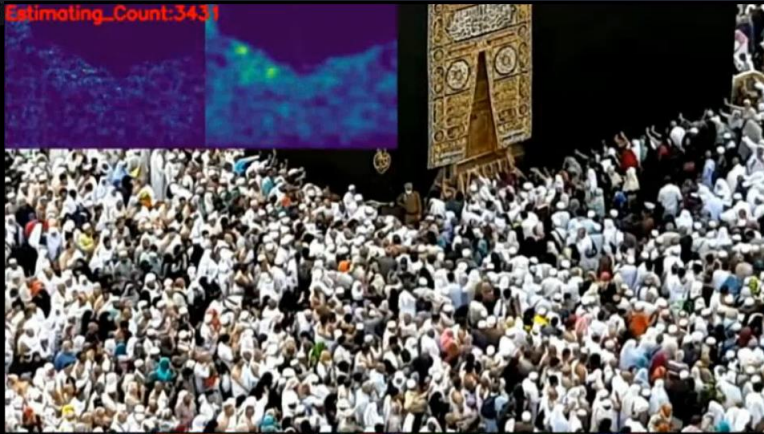
Search...

Collections

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# ITMS Suite



ANPR



Red Light/Stop Line Violation Detection



Speed Violation Detection



No Helmet Detection



Detection of Cellphone use while Driving



No Seat Belt Detection



Vehicle Moving Wrong Way



Triple Riding Detection



Free Left-Turn Block Detection



ATCC (Congestion, Counting, Classification)



Integrated e-Challan/ e-Ticket Management Software

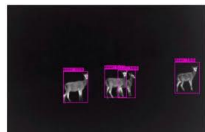


Smart Dashboard/ Data Visualisation Platform

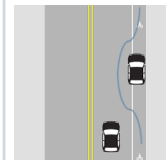


Accident Identifier And Alert System

Accident Detection



Animal Detection



Lane Violation



Parking Violation



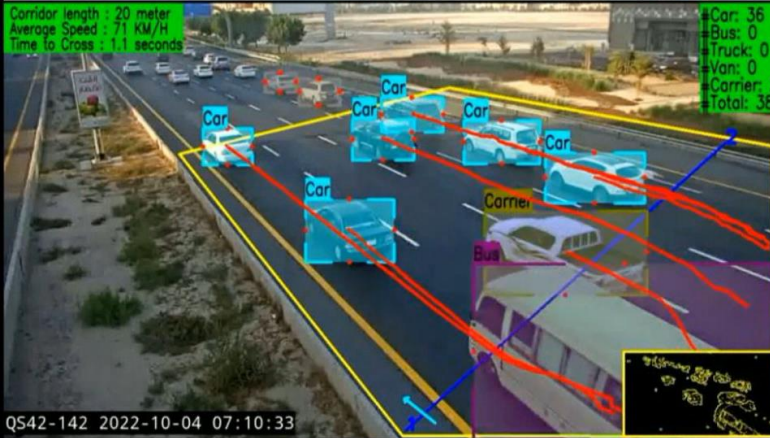




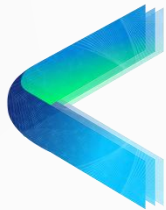
- Search...
- Collections
- Bookmarks
- Map
- External Systems

Live Cameras

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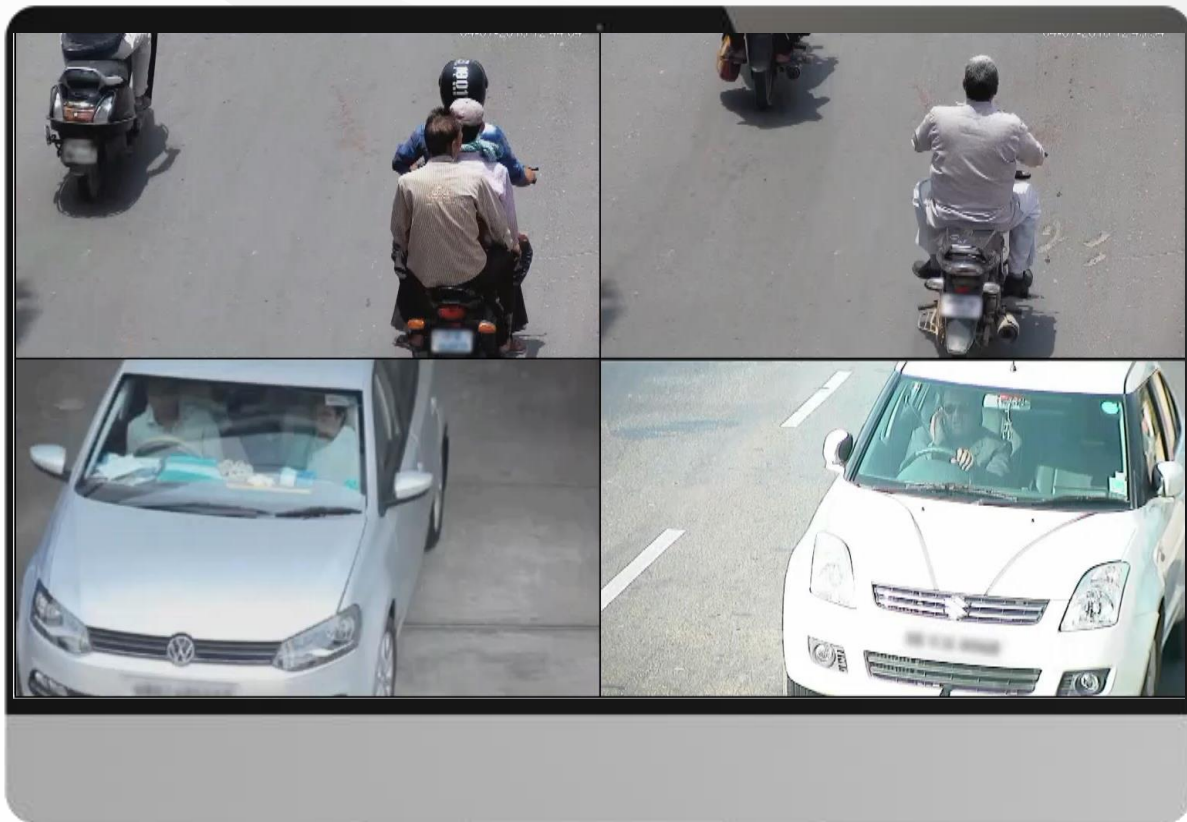






## • Vehicular Movement Management

- Over Speed Detection; Traffic Congestion Detection
- Not Wearing Helmet Detection; No Seat Belt Detection; Driver Using Phone Detection
- No Parking Detection/Wrong Way Movement Detection; Heatmap of Vehicular Movements



# Certified to Detect Speeds of up to **235 Km/Hr**



Artificial Intelligence at the Core

# Automatic Licence Plate Recognition

Automatically captures the licence plates of any vehicle irrespective of the type of vehicle – private **car, taxi, bus, truck, autorickshaw/ tuk-tuk, two-wheeler**, etc.



## Multi – Lingual ALPR (ANPR)

Our ALPR/ANPR technology can read the licence plates of many countries, and we continue to add more with each passing day. The ALPR/ANPR engines are re-trainable with country-specific OCR data for increased accuracy in reading the number plate



## Multi – Lane ALPR (ANPR)

A Single Camera Covers Multiple Lanes (subject to installation pre-requisites)





Live Cameras

Add to Bookmarks 1x1 Detach Record Live

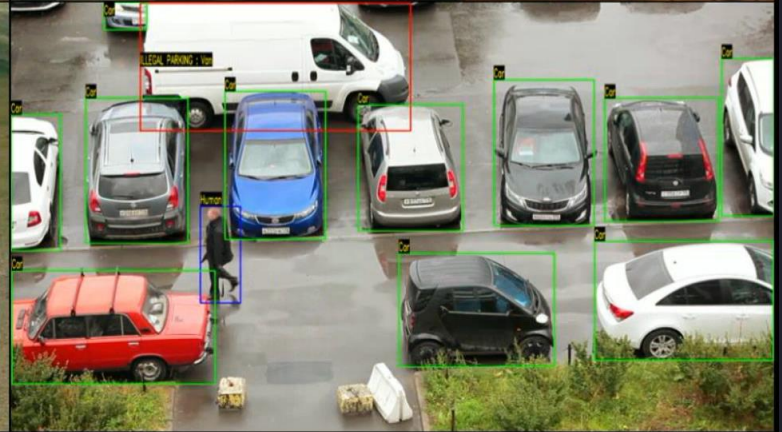
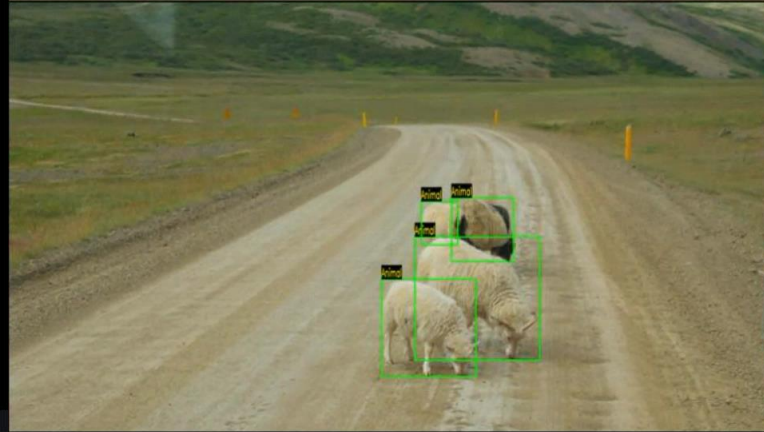
Search...

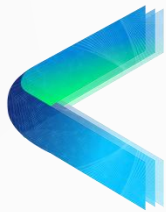
Collections

Bookmarks

Map

External Systems






## **Public Tiffs, Riots, Stampedes**

- Indoor / Outdoor Application
- Works on pose estimation and interaction with the other objects
- Possibility of identifying Rhythmic patterns to suppress false positives





Videonetics  
looks deeper to  
create a  
*Safer. Smarter. Happier.*  
world.

By bringing you an AI and DL-powered video management platform, we empower your video data to help tackle challenges.



We look deeper to simplify the world.

Making it

*Safer. Smarter. Happier.*



India | Singapore | Dubai

#### Corporate Office

Plot No AI/154/1, Action Area – 1A, Utility Building (4th Floor),  
New Town Kolkata – 700156, India.

#### For More Information

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