



LucrorAi



Face Ai for Malls, Retail, F&B, Hotel and Hospitals

Face is the new IDENTITY in the Ai World

Face recognition using cameras, coupled with more robust visual Ai allows for more flexible image capture. Facial recognition platform provides real-time information on the status of visitors. Face Recognition Ai is seamlessly integrated with glass barriers or gantries. We combine the best of Artificial Intelligence and Edge Computing to deliver Face Recognition Ai

- Demographic Features
 - Gender
 - Age
 - Head direction
 - Head/Eye Accessories
 - People Count
 - Dress Type (Upper Body/Lower Body)
 - Customer
 - VIP customer
 - Blacklisted customer alarms
 - Face Mask detection
- Objects
 - Handbag, Backpack, Suitcase
 - Shelf Product Availability/Emptiness
- Social Distance, occupancy monitoring & Heat Map
- Monitor staff performance or Sales Promotion
- Access Control & Visitor management



Face Ai – Demographic Features



Ai also alert instantly for blacklisted visitors



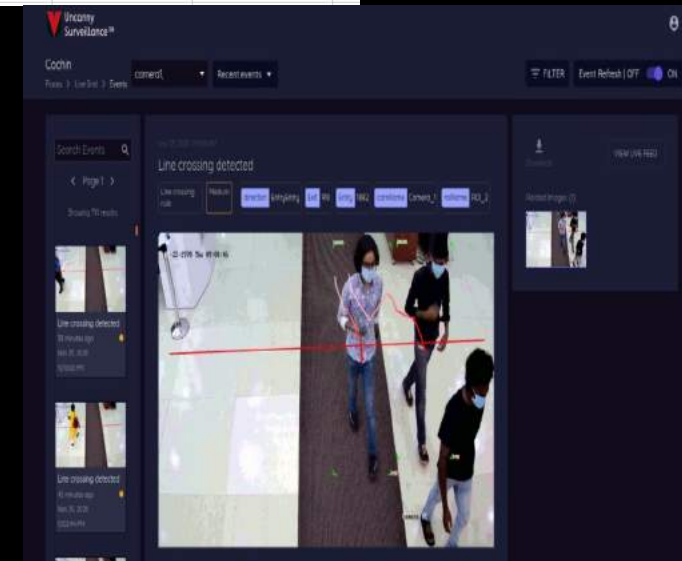
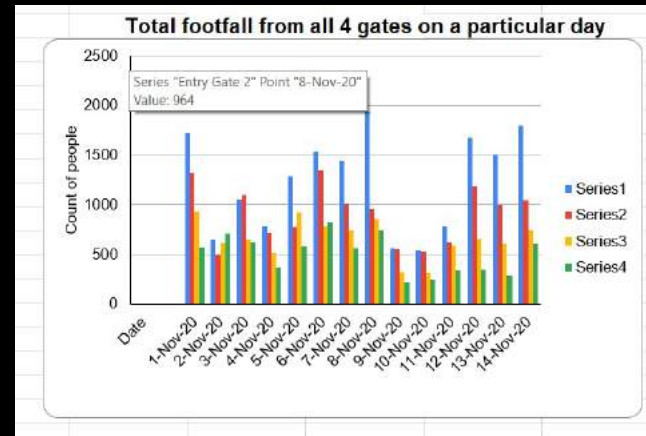
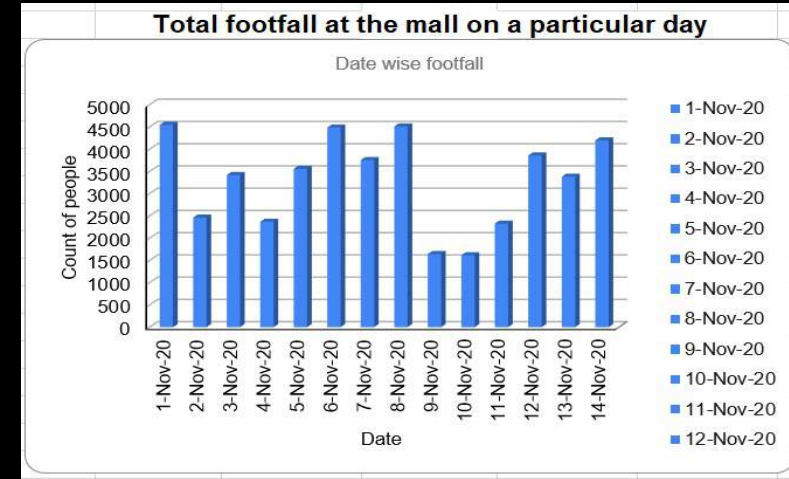
Face Attendance, Access Control & Visitor Management Ai

Face Recognition Ai is seamlessly integrated with glass barriers or gantries, they can stop access to anybody who does not fall within the parameters.

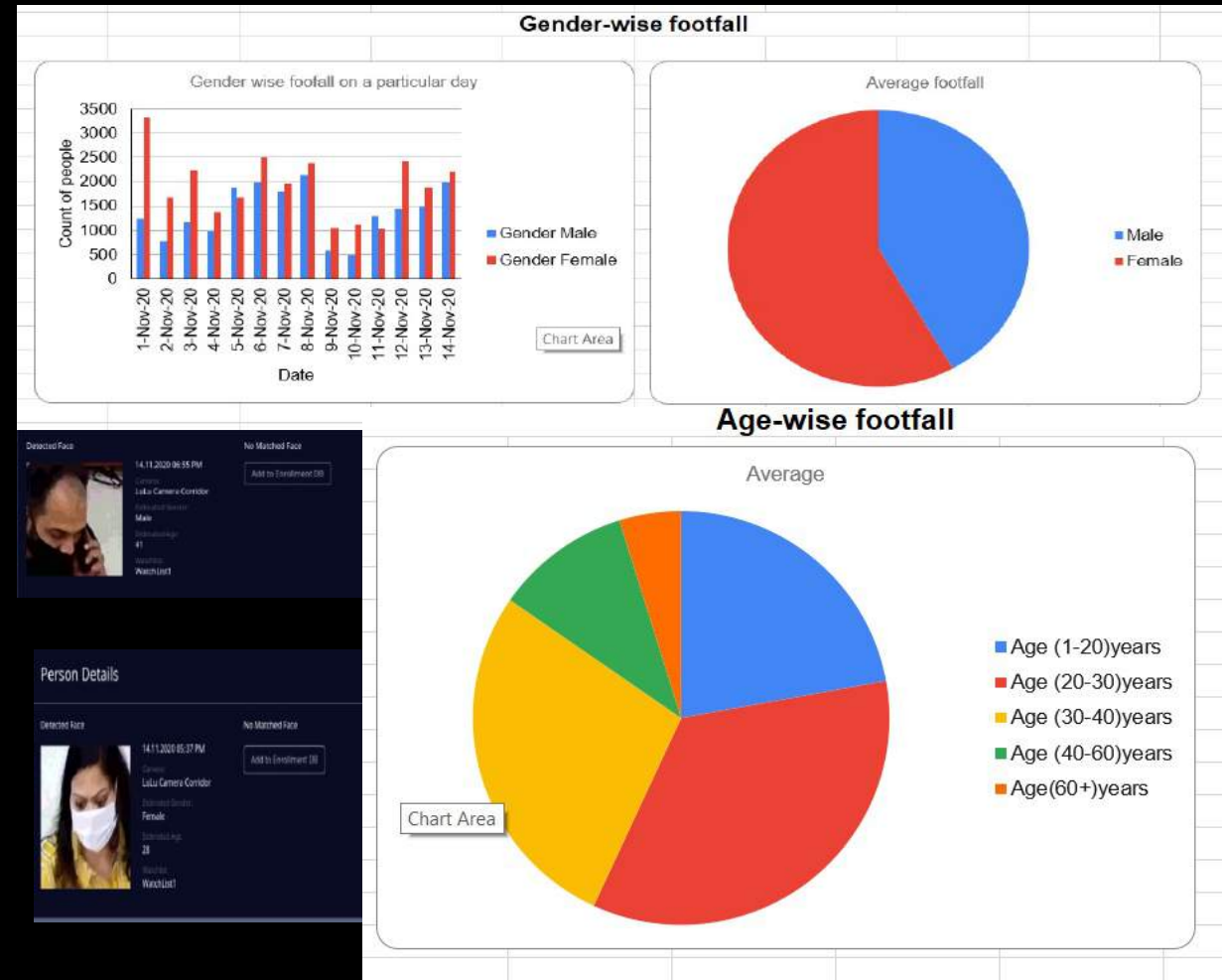
- Visitor, Customer & Supplier Management
- Queue Management System
- Personnel Access Control System
- Staff Time Attendance and Headcount System
- Blacklisted Visitor alarm



People Entrance & Exit Counting and identify Occupancy level

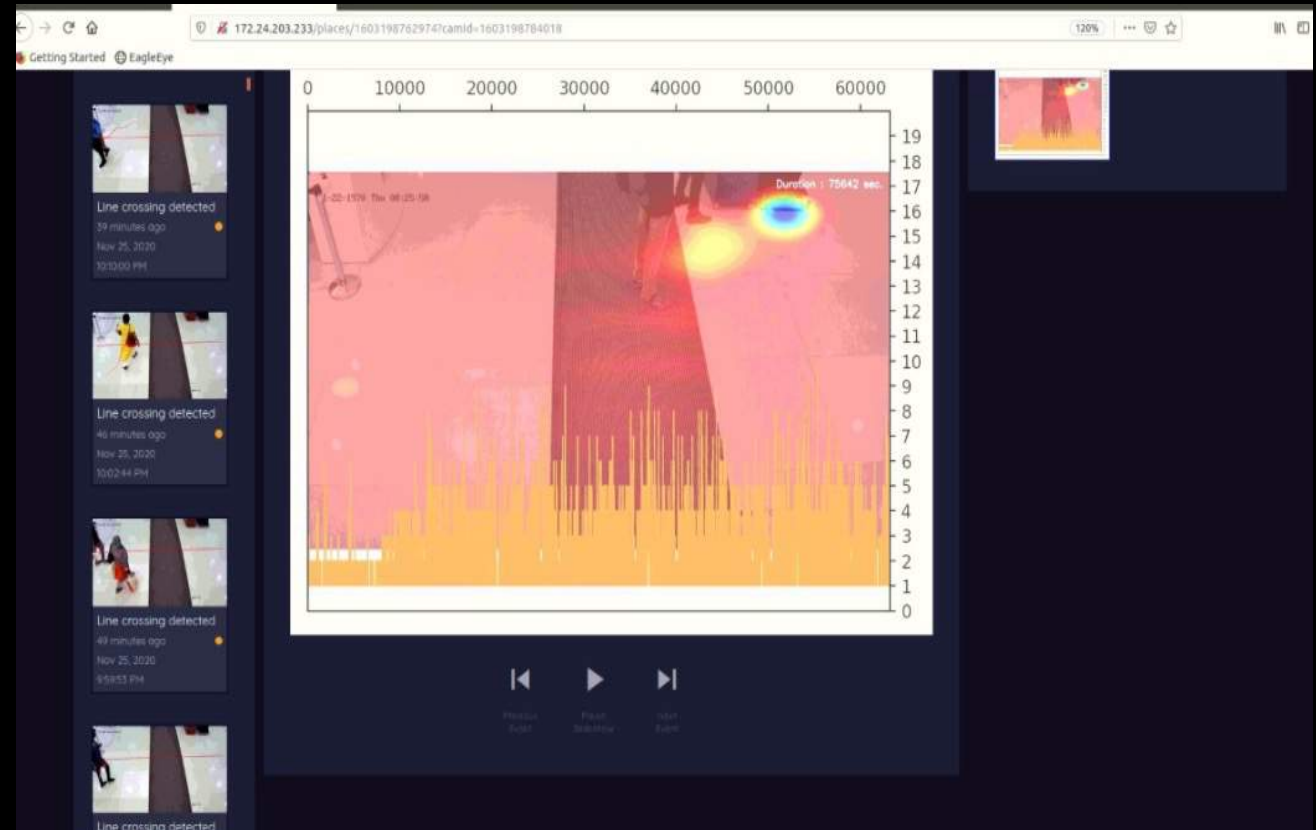


Age and Gender Analysis

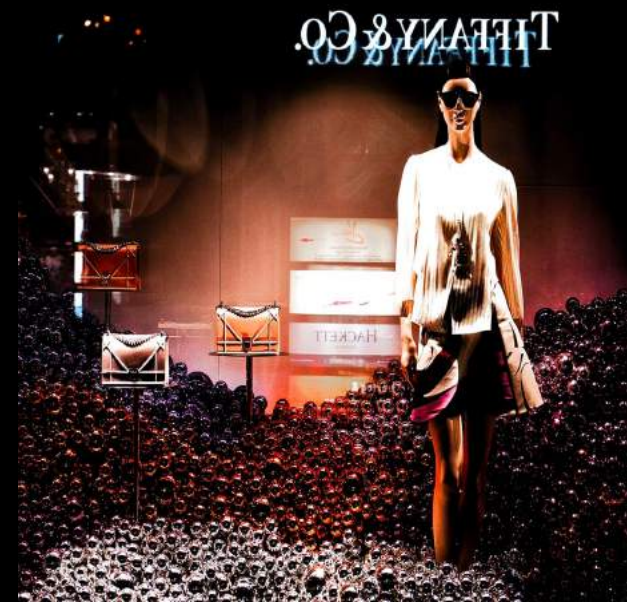


Heat-Map - Density of People

Heat-map from different camera is plotted and from each camera the density of people at different time zone is plotted



Intrusion or Perimeter Detection



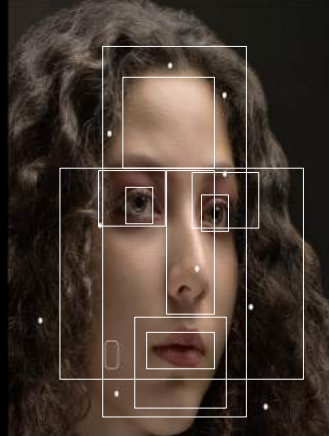
- To guard the area or perimeter with state of art deep learning technology.
- Classified alert for person detected.
- System to alert only when person is in region of interest.
- System non susceptible to shadows, varying illumination, animal movement etc.
- System can work with any existing camera.
- Alert can be sent to any phone, or cloud dashboard.

Face Recognition

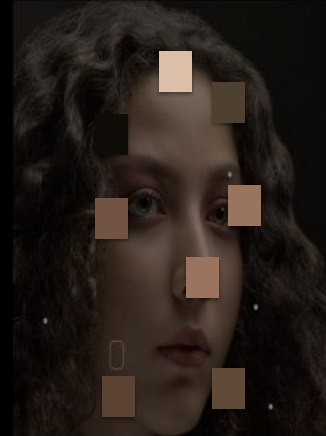
- Facerecognition algorithm uses **128 data points** to maximize the likelihood of amatch in dark light and poor angles.
- The Deep Neural Network extracts encoding after applying **multiple convolutional layers** and detecting multiple features of a face. The algorithm canpick aface with just 48 pixels.
- Algorithms canrecognize aface**in Full HD at 30 Feet** and**in 4K at 100 Feet** distance.
- Uses state of the art **Edge computing** to recognize and match faces at the device level where possible



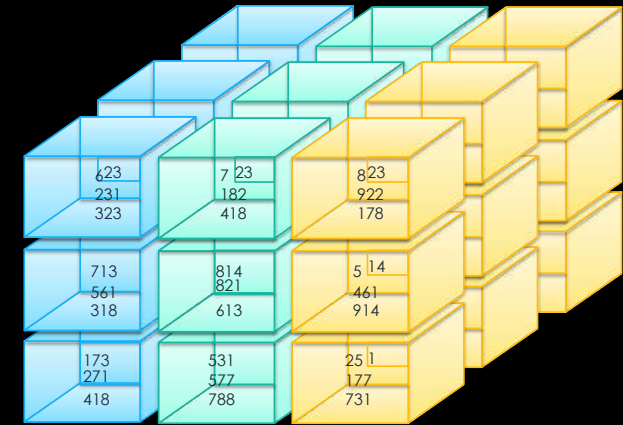
Feature
Extraction



Convolutional
Layer

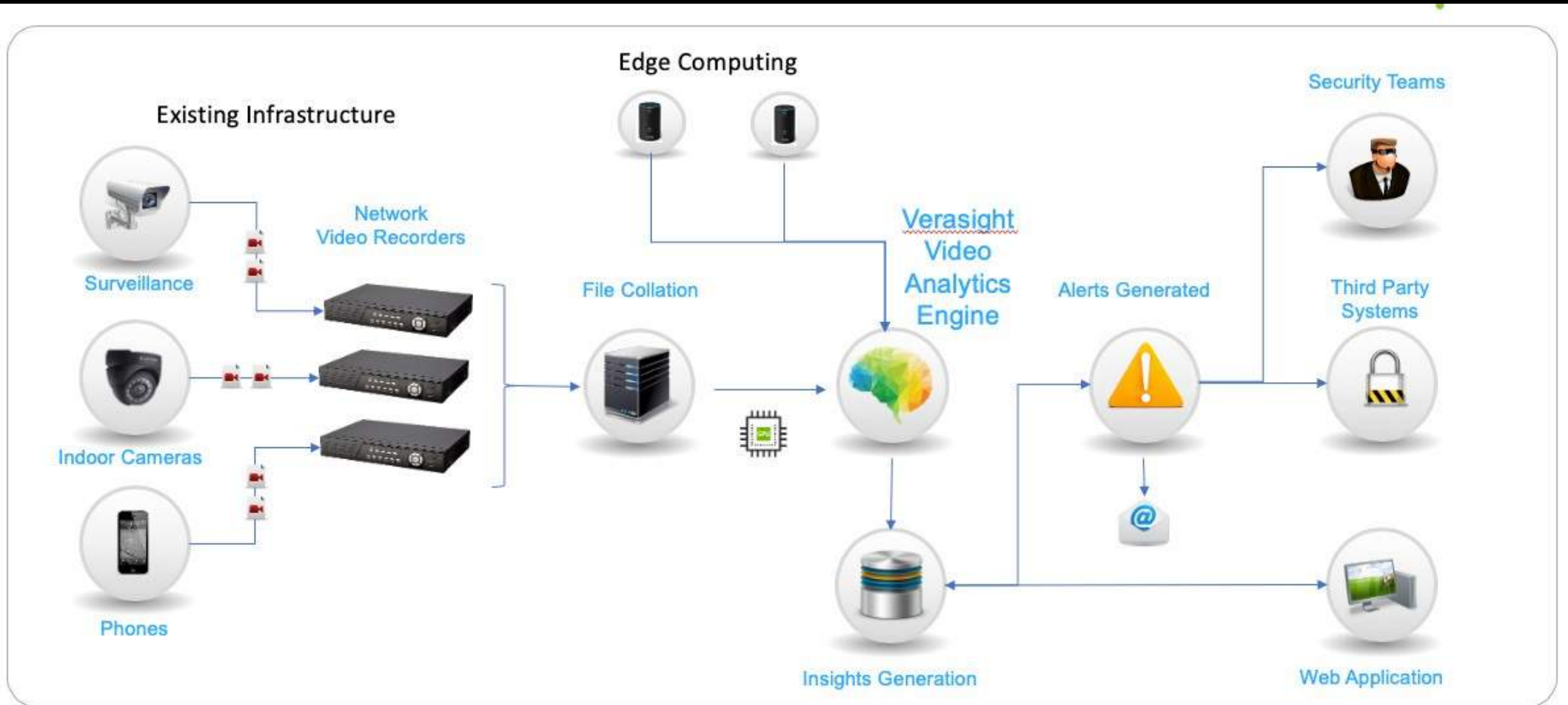


Encoding
Extraction



Encoding
Matrix

Architecture

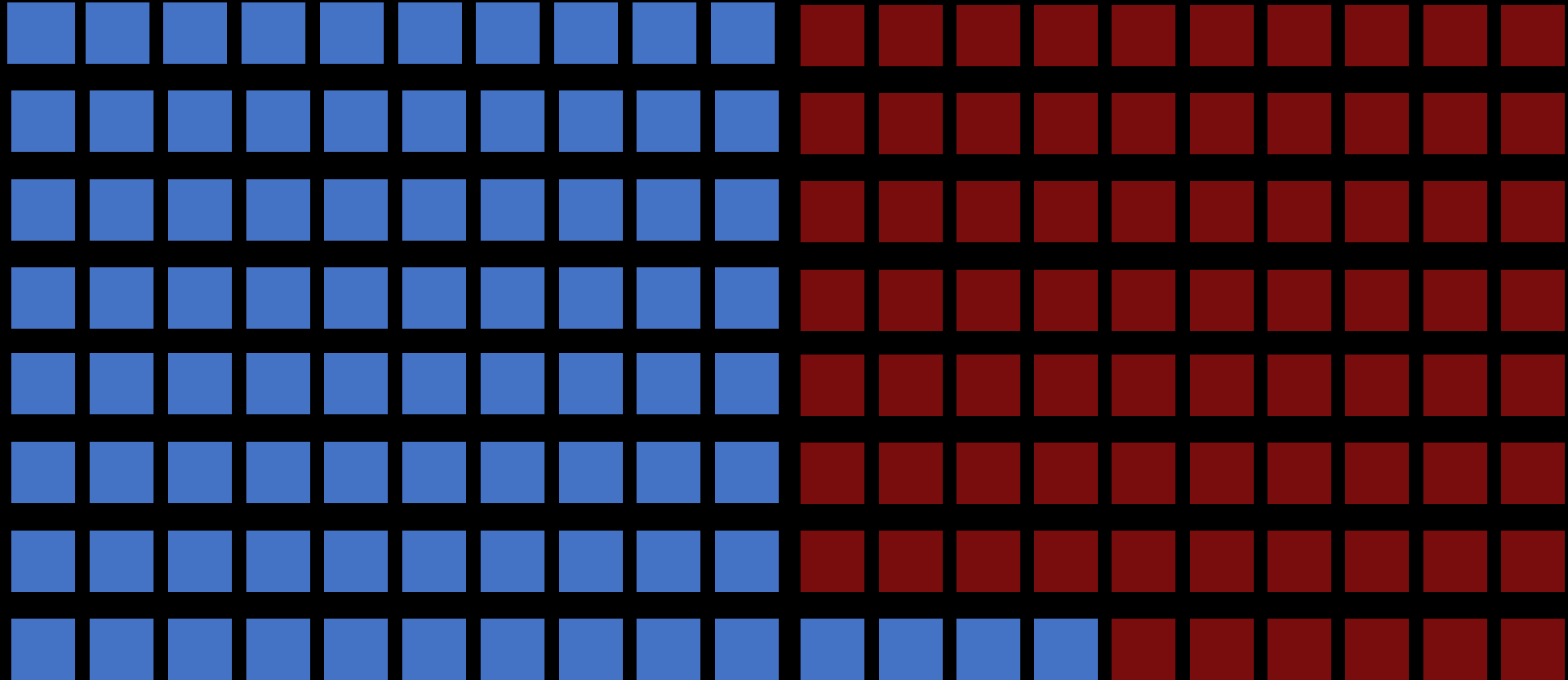


The video analytics solution captures video files from a central location, processes the same using GPU based servers and stores the generated insights into a central storage location. Insights generated can trigger "alerts" which can further trigger security teams, third party systems or show up on the application.

Edge Computing Difference

80 GB

400 MB



24 Hours, Full HD, 30 FPS

24 Hours, Full HD, AI Information



Certain Projects

Honeywell

FUJITSU

TICKETECH
Parking Technology Solutions

DENSO

TATA STEEL

Genentech
A Member of the Roche Group

SIEMENS

 **TOYOTA**

ADITYA BIRLA

HINDALCO


State Bank of India


Mercedes-Benz

INGRAM MICRO

US eDirect
SELF PARK FILL

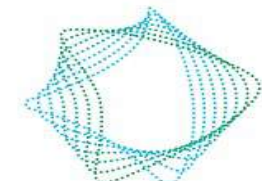
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