

NEC Intelligent Video Analytics

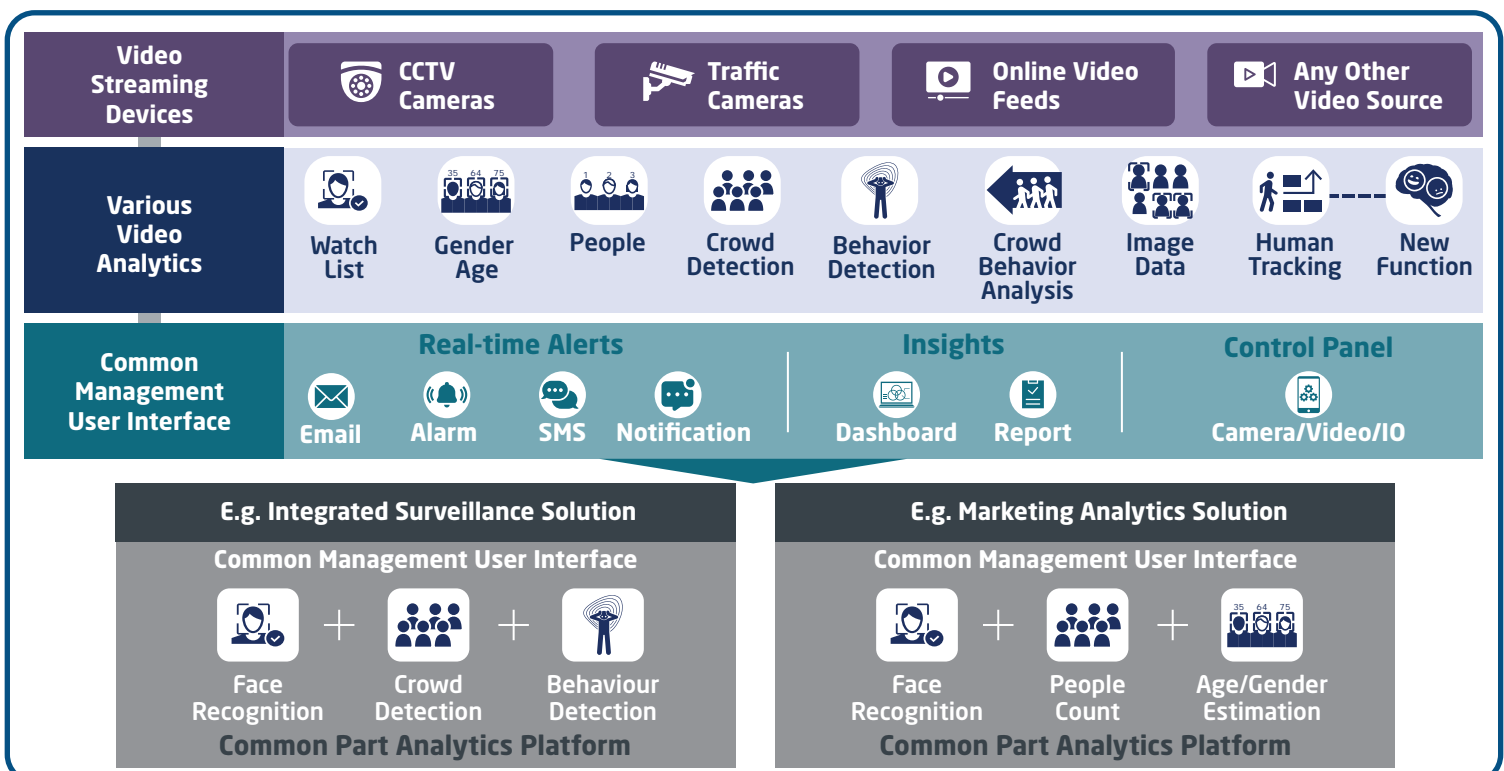
Analytics. Identification. Investigation

NEC Intelligent Video Analytics (IVA) is an integrated software platform that flexibly combines raw video data with components of video analytics including face recognition, behavior detection, and attributes estimation, in real-time or post-event, using advanced AI, to extract actionable insights, construct smarter apps and more imaginative use cases.

From accelerating post-event investigations and responding proactively to security incidents as they occur, to deriving visitor demographic profiles, behavioral patterns in crowds and queues, and operational inefficiencies, that can be avoided with real-time intervention, video analytics provide the breadth of intelligence required to strengthen security, customer experiences, business operations, and ultimately revenues.

NEC IVA Supports Video Analytics Needs across Verticals

NEC IVA is composed of common functions for camera input/video processing, a variety of analytics units, and a common management user interface so that it can provide each customer with a suitable solution by flexibly combining different kinds of necessary functions.



Applications of NEC Intelligent Video Analytics (IVA)

Logistics

- Container identification
- Vehicle stoppage/over-speeding
- Incident monitoring
- Container damage/dent detection
- Container number plate recognition

Operations

- Congestion detection
- Social distancing
- PPE kits & helmet detection

Smart Cities

- Suspicious behavior detection
- Intrusion detection
- Abandoned objects detection
- Suspicious vehicle detection
- Person falling

Transportation

- Wrong way detection
- Number plate recognition
- Traffic congestion detection
- Road accident detection
- Traffic light rules enforcement

Industries

- Smart cities
- Live events
- Shipping & logistics
- Retail
- Healthcare
- Data centers
- Stadium & theme parks
- Enterprise

Why NEC for IVA

- Most comprehensive AI-based video analytics solution available
- Extensible and scalable, capable of processing multiple video streams for both live and offline mediums
- Advanced inbuilt deep learning models
- Real-time alerts & insights
- Intuitive user experience
- Both real-time and recorded videos
- Works with existing CCTV cameras

Case Study

Intelligent Video Analytics @ Dubai Ports World, Mumbai



Key Challenges

- Gate entry/exit of trucks, overspeeding, accidents
- Operational area: monitoring of trucks and people to reduce incidents
- Wharf area: visibility of pedestrians movement

Centralized surveillance with common service platform architecture covering **30 wet/dry terminals** with **350 cameras** in **5 major ports**

98% reduction in Pedestrian Incidents

Highlights

- Filters pedestrian movement in hazardous areas, PPE compliance, vehicle movement
- GIS map indicating the spot of violation in the premise direction, speed, perimeter security, illegal parking, vehicle congestion
- Real-time violation detection and area specific announcement through PA system

About NEC

NEC is a leader in the integration of IT and network technologies and brings more than 120 years of expertise in technological innovation to provide solutions for empowering people, businesses, and society. Headquartered in Japan, NEC started its operations in India in the 1950s and expanded its business from telecommunications to public safety, logistics, transportation, retail, finance, unified communication, and IT platforms, serving across governments, businesses, and individuals. NEC Intelligent Video Analytics Solution is a state-of-the-art AI-driven end-to-end warehouse management system that helps organizations across verticles monitor and control operations, incidents and optimize resources.

NEC

Fortune Global 500 ICT Company

1899 Established
160+ Countries
109K+ Employees
49K+ Patents

For further queries & demonstration, please contact

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