quantiphi

Solving What Matters

Intelligent Video Analytics

Quantiphi's Computer Vision-based Intelligent Video Analytics Platform provides near-real-time situational awareness and forensic video analysis integrating with video management systems and on-premise cameras leveraging computer vision technologies

IDC Innovator

Quantiph Has been recognized as an IDC Innovator in AI services.Our engagement model takes clients from ideation to pilot to production applications to a enterprise-grade scalable model for AI solutions

FORRESTER

Quantiphi has been rated a LEADER in The Forrester New Wave™ Computer Vision Consultancies, Q4 2020 in terms of strategy & breadth of offerings.

What is Intelligent Video Analytics?

Intelligent video analytics refers to computer vision (CV) based technologies that use deep learning to analyze and understand videos & camera feed. For example, IVA can pinpoint specific people, objects and temporal events from a live video stream or by mining hours of recorded content. Here the objective of such analysis could be to provide superior customer service, reduce operational cost, increase efficiency, create a safe and secure environment.

Why Quantiphi is the go-to vendor for IVA deployments

Forrester leader in computer vision technology and many prebuilt CV and AI components and platforms to support the entire CV project lifecycle.

Independent Software Vendor (ISV) partner for Google's initiative to deliver Edge applications in collaboration with 5G service providers.

Proven experience in developed and operationalized IVA use cases across multiple industries.

IVA is used for below use cases

Automated Video Surveillance.
Manual monitoring of live-video streams is effort-intensive, causes fatigue to operators, and is often a reactive approach to solving safety and security issues.

Safe & secure premises.
Detection of specific and context-heavy instances like an intrusion, tracking a person of interest, identifying suspicious behaviour is limited by current technology and needs.
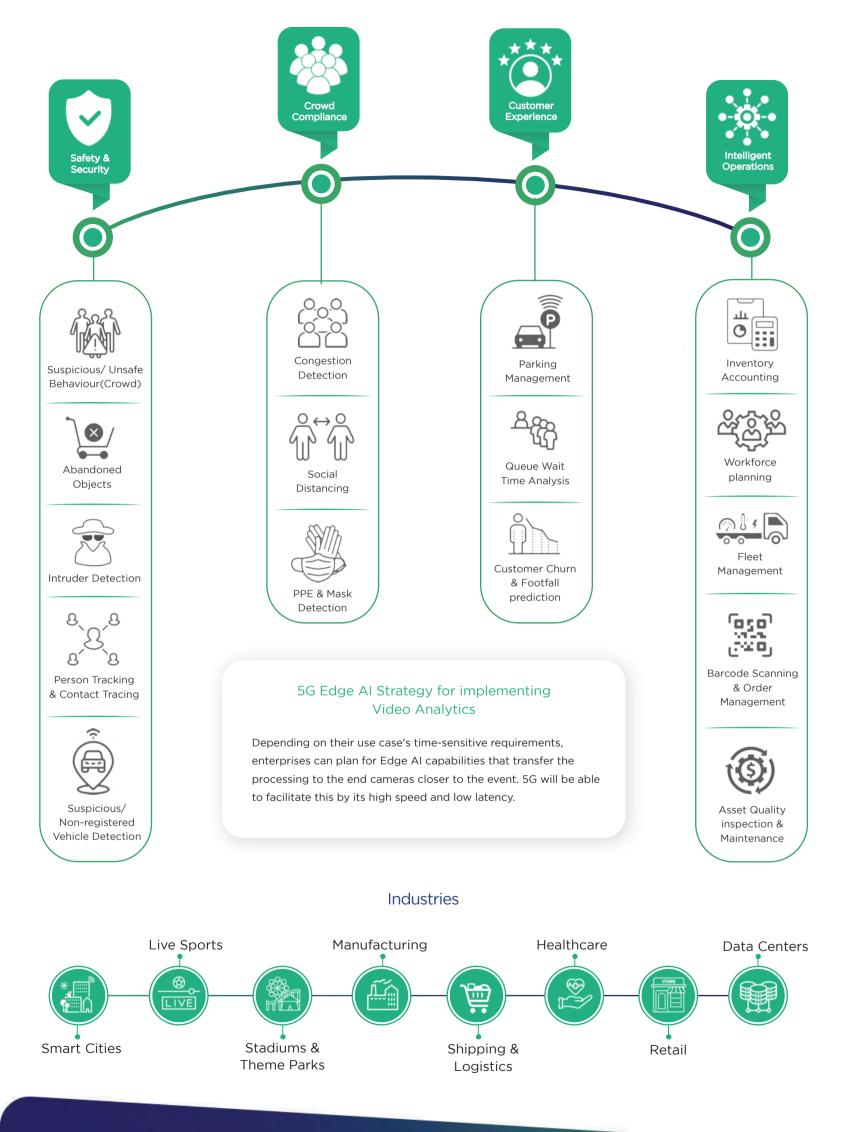
Positive visitor experiences.
With the opening of large recreational premises, theme parks and stadiums - crowd management, analysis of social-distancing compliances while maintaining a positive visitor experience is now a necessity.

Improved operations & workforce management.
Manually inspecting assets and machinery spread around the premises for anomalies & defects is time-consuming and prone to human error. Missing out on these results can result in significant downtime, loss of reputation and, in severe cases - life-critical situations.

Applications of Intelligent Video Analytics

Safety & Security
- Suspicious/ Unsafe Behaviour(Crowd)
- Abandoned Objects
- Intruder Detection
- Person Tracking & Contact Tracing
- Suspicious/ Non-registered Vehicle Detection

Crowd Compliance
- Congestion Detection
- Social Distancing
- PPE & Mask Detection

Customer Experience
- Parking Management
- Queue Wait Time Analysis
- Customer Churn & Footfall prediction

Intelligent Operations
- Inventory Accounting
- Workforce planning
- Fleet Management
- Barcode Scanning & Order Management
- Asset Quality inspection & Maintenance

5G Edge AI Strategy for implementing Video Analytics

Depending on their use case's time-sensitive requirements, enterprises can plan for Edge AI capabilities that transfer the processing to the end cameras closer to the event. 5G will be able to facilitate this by its high speed and low latency.

Industries

- Smart Cities
- Live Sports
- Stadiums & Theme Parks
- Manufacturing
- Shipping & Logistics
- Healthcare
- Retail
- Data Centers