Effortlessly Deploying Video Analytics Applications at Edge

Quantiphi’s 5G Edge platform for Video Analytics enables Telecom & their B2B customers to build Video Intelligence applications in the easiest and cost effective way possible today. The platform facilitates need-based scaling and faster deployment of a multitude of IVA use cases whilst keeping the management efforts and ownership costs to a minimum.

WITH 5G AS THE CATALYST, VIDEO INTELLIGENCE APPLICATIONS WOULD MOVE TO EDGE

- In the next six years, the Global Video Analytics market would touch 19 Billion $.
- In the next three years, more than 50% of video analytics shall be deployed at edge locations.

Video analytics will turn high-definition camera streams into better actionable information & 5G will play a key role to cater to the increasing density of cameras. This creates a conducive environment for both Telecom & their enterprise customers to create IVA applications addressing:

1. Quality Inspection
2. Inventory Accounting
3. Crowd Analytics
4. The Key Use Cases across these industries
5. Worker Safety
6. Access Control
7. Parking Management
8. Safety & Surveillance
9. Logistics & Supply Chain
10. Smart Cities
11. Retail
12. Manufacturing

The market size is projected to reach 19 Billion USD at a CAGR of 18.4%.
However, implementing Video Analytics on Edge is riddled with challenges

Although deployment of Video workload has seen tremendous growth in the past few years for different purposes, when it comes to adopting Video Analytics Use Cases, at Edge or Cloud, the path is arduous.

Video Analytics Solutions at Edge need the right Combination of Partners & Platforms for effective Scaling & Management.

**Challenges**

- Longer cycles of manual model Development & deployment
- Scaling deployments to multiple models and cost involved.
- Lack of Automation in ML Dev & Deployment cycles leading to ML pipeline failure.
- Less real-time visibility into model Performance and pipeline maintenance.
- High TCO of maintaining ML Pipelines in production.
- Integrating Edge Applications with 4G/5G Private and Core Network Components.

**Our Approach**

IVA Application Platform solution to provide End-to-end (E2E) solution for Video Workloads

End-to-end business solution for Video Analytics Workload Use cases at the Edge & Cloud
IVA application platform addresses the above mentioned challenges in an industry-agnostic way

Available of readily deployable Use Cases

Faster design, cutting down on overall pilot cycles

Better & Accurate results by ML Models with continuous Monitoring

Reduced overall cost by using multi-tenancy model from day 1

Lowest TCO by fully managed Services

IVA application platform shortens the implementation horizon

Without Standard Application platform the duration of taking an use case from pilot phase to production and scaling it to multiple Edge/Cloud locations or supporting multiple Use Cases at the same location, is around 9 months. Without any standard application platform it adds up to a few more months, stretching the entire Use Case adoption cycle to a year-long exploration for customers.

Quantiphi’s managed Video Analytics Application Platform

The platform enables Telecom Players to easily deploy and scale intelligent video analytics solutions facilitating smart surveillance, improved customer experience and intelligent operations across industries - manufacturing, smart cities, retail and logistics.
Quantiphi is an award-winning AI-first digital engineering company driven by the desire to solve transformational problems at the heart of business. Quantiphi solves the toughest and complex business problems by combining deep industry experience, disciplined cloud and data engineering practices, and cutting-edge artificial intelligence research to achieve quantifiable business impact at unprecedented speed. We are passionate about our customers and obsessed with problem-solving to make products smarter, customer experiences frictionless, processes autonomous and businesses safer by detecting risks, threats and anomalies. For more on Quantiphi’s capabilities, visit www.quantiphi.com