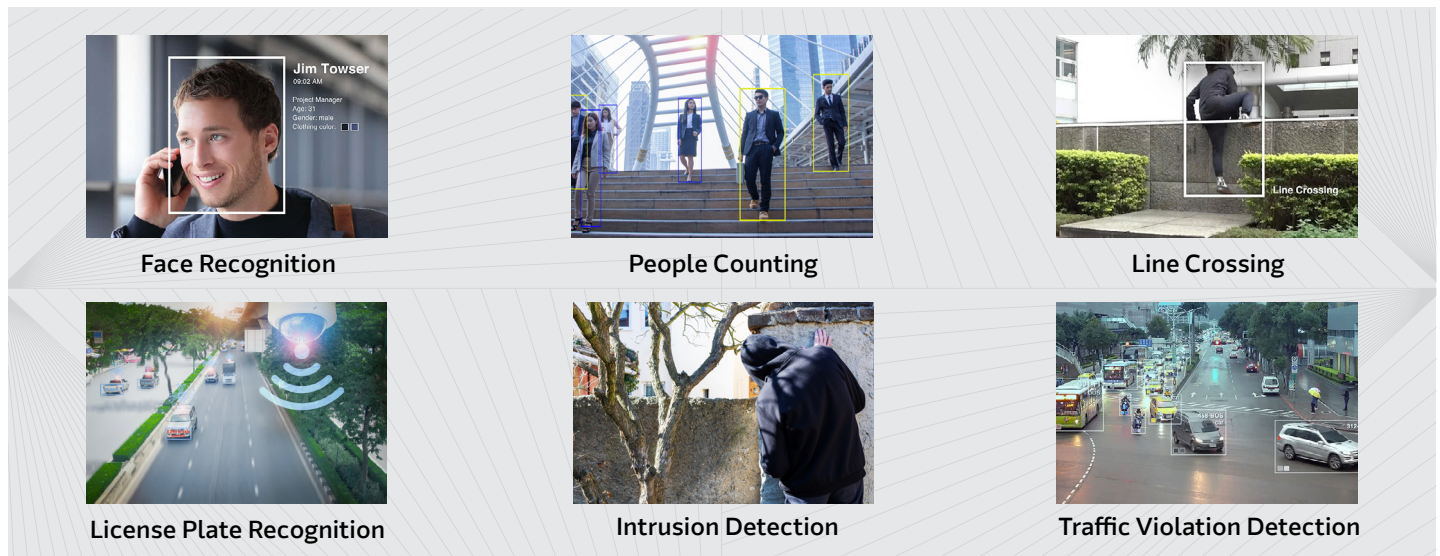


Drive Digital Transformation with Edge AI Video Analytics

Gain Real-Time Insights and Business Intelligence



Video surveillance systems produce massive amounts of digital data continuously. Most traditional video systems involve resource-intensive processes to detect suspicious behavior and security anomalies. These video systems lack sophisticated video analytics and processing power causing slow reaction times to security anomalies. New approaches using machine learning and artificial intelligence (AI) are unlocking valuable insights from video and IoT data that are difficult to derive using manual processes.

The Edge AI Video Analytics platform from Arrow and Gorilla includes a complete technology stack to develop intelligent video surveillance applications. The platform integrates Intel's latest hardware portfolio with Gorilla IVAR™ (Intelligent Video Analytics Recorder) to deliver real-time intelligent video analytics and business intelligence. Core video analytics capabilities of the solution include people/face recognition, behavior analysis, vehicle detection/recognition, and real-time insights. Exception alerts based on key business or security parameters make the platform well suited for video surveillance applications in public safety, smart cities, and enterprise security and for enhancing customer experiences in retail. Together these features provide a complete security convergence platform that safeguards both physical and network security.

Use Cases and Applications

- **Industrial:** Biometric access control, unauthorized entry detection, worker safety
- **Retail:** Shopper demographics analysis, customer verification, promotional and loyalty campaigns
- **Security:** Parking and traffic management, suspicious activity detection, identify blacklisted individuals
- **Healthcare:** Social distancing enforcement, occupancy control, mask compliance

Solution Stack Component

Gorilla

- Gorilla IVAR™
(Intelligent Video Analytics Recorder)

Intel®

- Intel® Core™ i7 processors
- Intel® Movidius™ Vision Processing Units (VPUs)
- Movidius™ PCIe Accelerator Card (optional)
- Intel OpenVINO™

Arrow Intelligent Solutions

- **Hardware:** Seneca Balto C3 appliance
- **Product services:** Design, support, or professional services
- **Manufacturing services:** Supply chain, integration, and logistics

Solution Components

The solution combines Intel® AI hardware with Gorilla IVAR™ (Intelligent Video Analytics Recorder) enabling administrators to design and deploy AI-enabled video analytics solutions. The portfolio of Intel® AI appliances offers versatility and scalability needed to develop a wide range of applications in diverse deployment scenarios.

Gorilla IVAR™

Gorilla IVAR™ real-time analytics technology gives insight into business and operations within a single dashboard.

- Real-time face detection, alerting, and head & shoulder detection
- Gender, age, eyewear, facemask, and clothing color detection
- Works with Gorilla BAP (Biometric Authentication Provider) to recognize and search for watchlists within the IVAR system

Balto C3 Workstation

The Balto C3 client workstation is designed with optimized features for mission-critical video surveillance and can be deployed in a variety of form factors to suit the diverse requirements of security system integrators.

Features Include:

- Powered by Intel® Core™ i7-9700 and Microsoft Windows 10 IoT Enterprise
- Seneca Backup and Recovery (SBAR)
- Ability to handle up to four monitors for larger viewing solutions
- Windows 10 IoT Enterprise delivers enterprise manageability and security to IoT solutions
- GPU Accelerated Decode displays more high-resolution streams from a single workstation and enhancing video playback performance
- Five-year global next-day and on-site service warranty
- Optimized for Milestone XProtect software



Company Profile

Gorilla Technology was established in 2001 with the vision of being a global leader in video intelligence, IoT technologies, and cybersecurity. Gorilla specializes in video analytics, network security, and big data to support a wide range of solutions for commercial, industrial, cities, and government purposes. With continuous core technology development, Gorilla delivers edge AI solutions to managed service providers, distributors, system integrators, and hardware manufacturers.

In partnership with:



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