

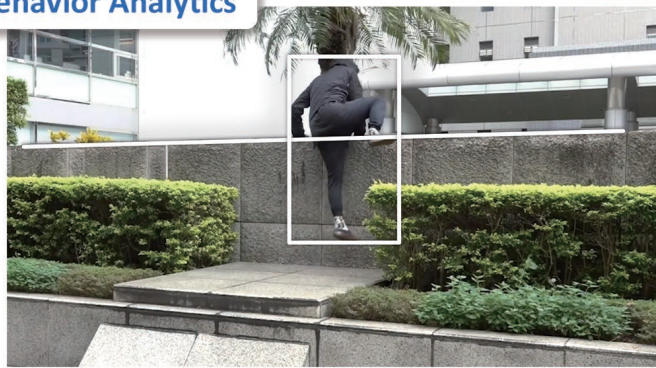


# IVAR™

(Intelligent Video Analytics Recorder) v. 1.9

All-in-One VMS & IVA

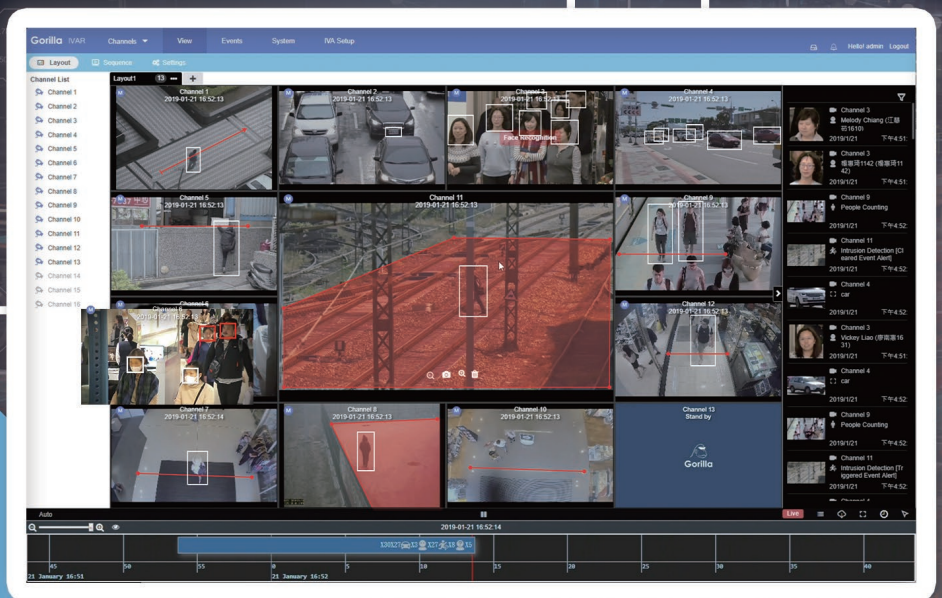
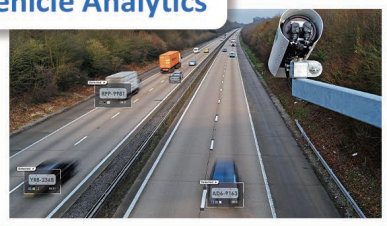
## Behavior Analytics



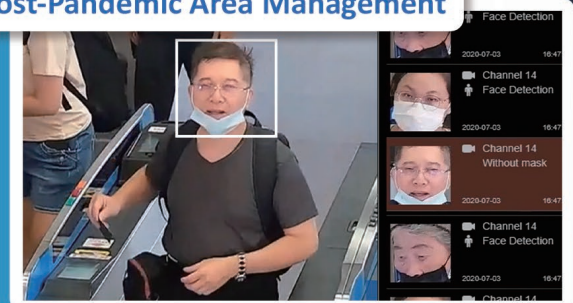
## People Analytics



## Vehicle Analytics



## Post-Pandemic Area Management



IoT Solutions  
Alliance

[www.gorilla-technology.com](http://www.gorilla-technology.com)





### All-in-One VMS & IVA Solution

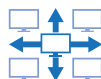
- Comprehensive yet compact Video Management System with Intelligent Video Analytics.
- Ideal for clients who prefer to take all-in-one and proactive video surveillance.



IoT Solutions  
Alliance

### Intel® Optimized for Cost & Performance

- Fully optimized by the OpenVINO™ toolkit to run faster and give a better cost structure when compared to CPU/GPU-based hardware.
- Versatility that can run on CPU-only systems, NO GPU needed.



### Flexible & Scalable with Client Needs

- Scalable and flexible use from all-in-one machines or gateway hubs to large server scenarios.
- Well defined deployment to small shops, large sites or multiple site scenarios.



### Adding Value with API Integration

- Open architecture and API interface for quick integration with existing VMS solutions (e.g. Milestone XProtect®) and other platforms (e.g. IoT, Access Control, Building Automation System – BAS, Kiosk) which ensures minimal migration efforts for clients and System Integrators.

Find or Quantify People in Large or Small Areas

Identify and Monitor Suspicious Activities

Get Consistently Accurate Recognition

Stay Informed with Comprehensive Insights



# IVAR Analytic Capabilities



## Face Recognition

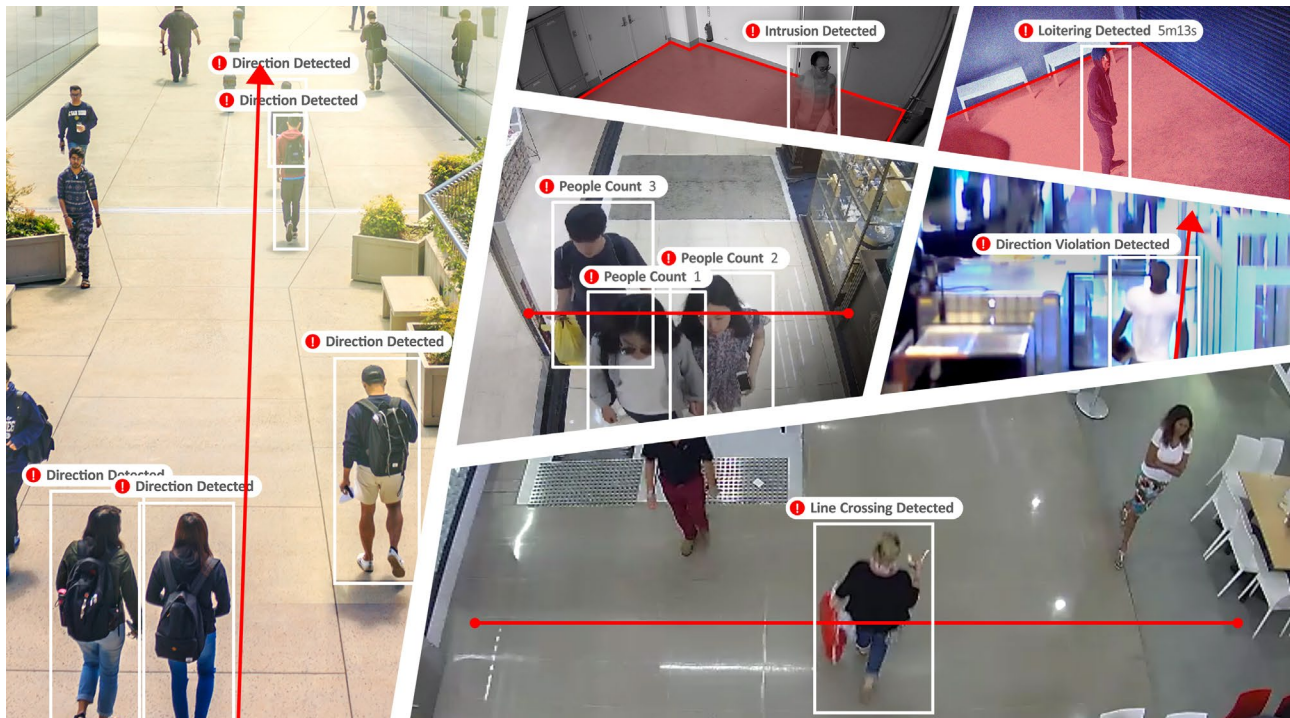
- VIP, Watchlist, Blacklist  
(Requires BAP companion module)

## Human Detection

- Clothing Colors
- Faces
- Head & Shoulders

## Face Detection

- Gender
- Age
- Eyewear
- Mask

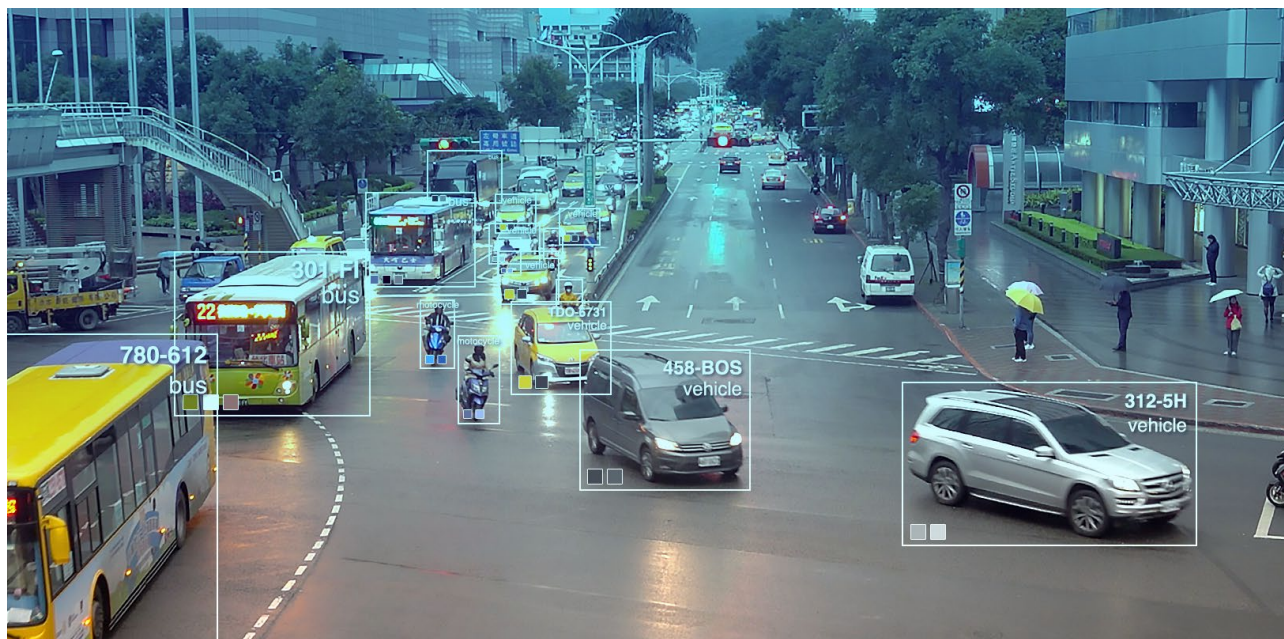


## Behavior Analytics

- People Counting
- Line Crossing
- Intrusion Detection
- Direction Violation
- Direction Detection
- Loitering Detection

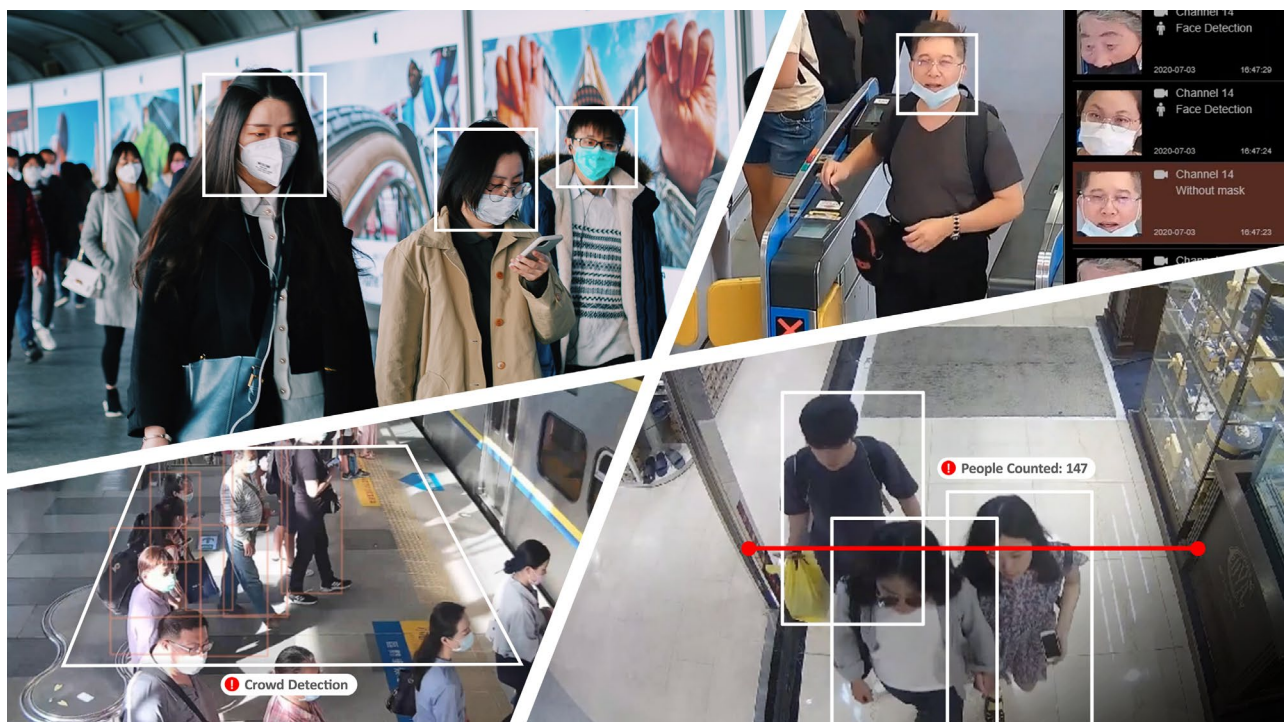


# IVAR Analytic Capabilities



## Vehicle & License Plate Recognition

- Vehicle Detection & Classification
- Vehicle Direction Detection
- License Plate Detection
- Vehicle Counting
- LPR for Specific Areas



## Pandemic Response Solutions

- Mask Detection
- People Flow Management
- Crowd Detection

# IVAR Scalable Systems

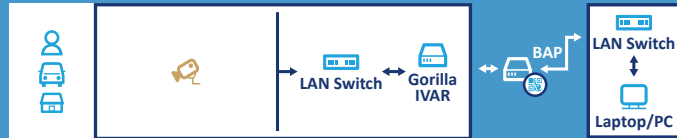
IVAR performs smoothly with Intel technologies on different edge devices and scenarios. Scale software before hardware.



## Edge

Stand-alone device locations  
E.g. POS systems, ATMs, Kiosks, etc.

CPU	Intel Atom N4200
RAM	8GB DDR4-2133MHz
HDD1	128GB SSD
HDD2	500GB SATA (7,200RPM)
OS	Windows 10 (64-bits)

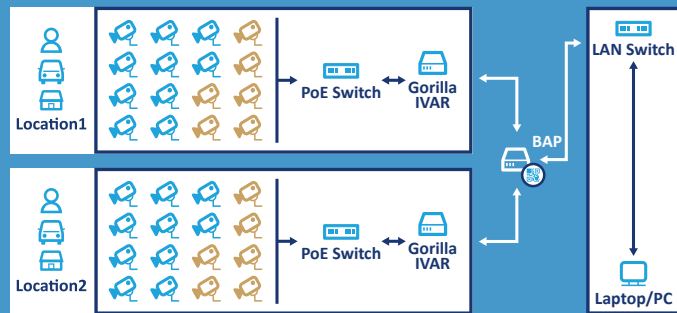


1 channel recording, 1 channel IVA

## Gateway

Multiple dispersed locations  
E.g. Retail, Toll crossings, etc.

CPU	Intel i7-10700
RAM	16GB DDR4-2133MHz
HDD1	128GB SSD
HDD2	2TB SATA (7,200RPM)
OS	Windows 10 (64-bits)

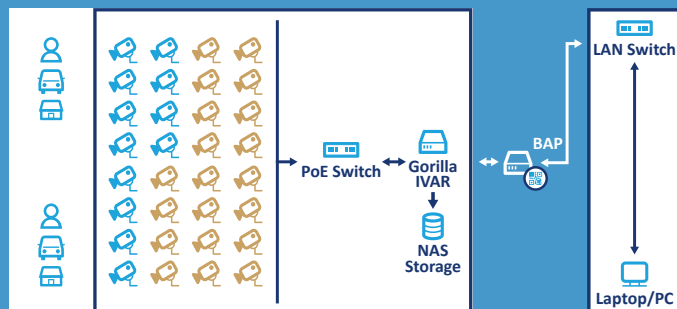


16 channel recording, 6 channel IVA  
\*5 channel IVA if Face Recognition is used

## Server

Large single locations  
E.g. Hospitals, Airports, etc.

CPU	Xeon Silver 4214R @2.40GHz x 2
RAM	32GB (8*4) RDIMM, 2666MT/s
HDD1	240GB M.2 SSD * 2 (RAID 1)
HDD2	5.4TB (1.8TB * 3) SAS (10,000RPM) RAID 5 Config PERC H7 30P RAID Controller, 2GB NV Cache Redundant Power Supply Worldwide Kit (750W)
OS	Windows Server 2016 Standard Windows 10 (64-bits)



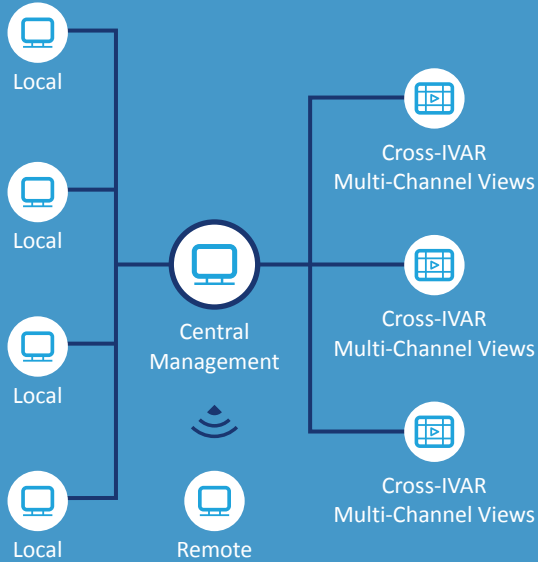
32 channel recording, 20 channel IVA

## Supports

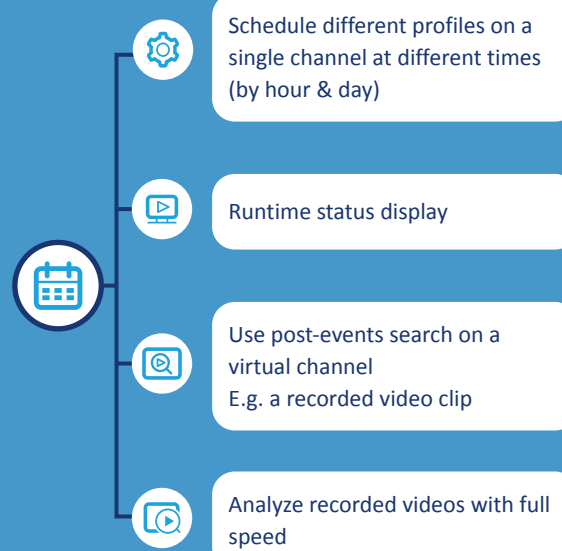
CCTV & IP based cameras RTSP, ONVIF Profile S, & PTZ compatible H.264 transcoding.

# IVAR Intelligent Architecture

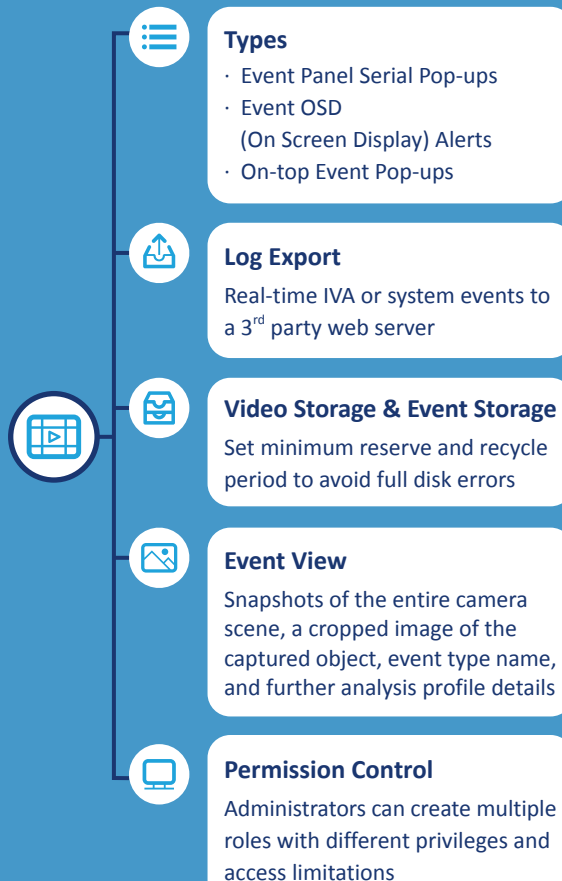
## Systems Monitoring and Control



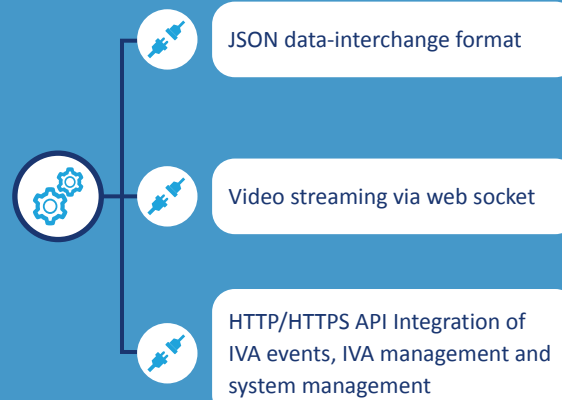
## IVA Profile Scheduling



## Event Management



## API Integration



Milestone has verified Gorilla's IVAR™ as a compatible solution with XProtect®, users can now directly benefit from our intelligent video analytics on one platform.



# Companion Software Modules

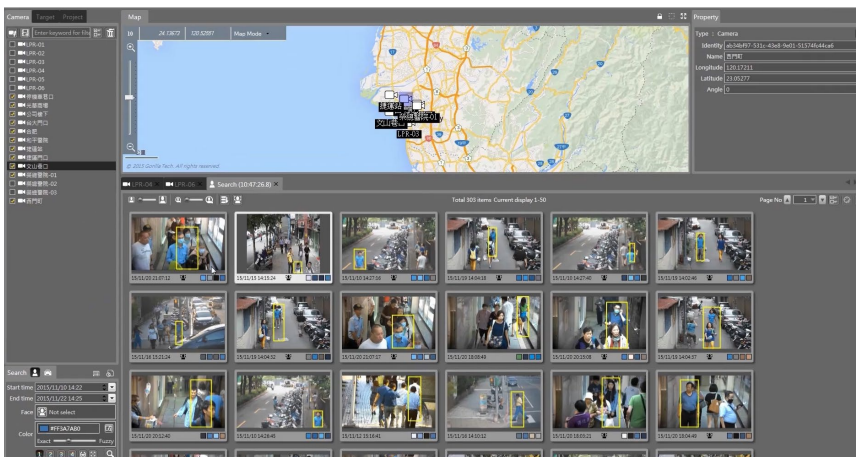


## BAP (Biometric Authentication Provider)

Gorilla BAP is a back-end system giving support to Gorilla IVAR™, Smart Attendance, or 3rd party applications which require facial recognition technology. It establishes and manages the face profile database, verifies face images captured by IVAR and Smart Attendance to confirm the identity of people's faces. BAP has a face profile validation mechanism to improve the quality of face profiles to ensure the identity is correctly vouched. BAP creates an unlimited number of groups to manage face profile data to support watch lists and alerts in IVAR. BAP's integration into IVAR and Smart Attendance greatly increases face checks without affecting system performance.

## Customizable Solutions

Add greater value to the capabilities of your system by incorporating these digital transformation solutions from Gorilla.



## FVS (Fast Video Search)

Quickly and easily search archived video for past events to locate detailed information on people and more.



## Network Security Products

- **EdgeGuard** - front-line threat detection for OT Security
- **NetProbe** - prevent network intrusions by learning attack patterns
- **NetTrap** - isolate and contain attacks before they reach your network
- **HMD** - supreme endpoint protection
- **FR-MOTP** - facial recognition with a dynamic mobile password protection
- **SCP** - a security convergence platform to monitor total network

## About Gorilla

Gorilla Technology, a privately held company established in 2001, is a global leader in video intelligence, network intelligence and IoT technology. It develops a wide range of video-centric and content management solutions including Smart Cities, Smart Retail, and Enterprise Security. In addition, Gorilla provides a complete Security Convergence Platform to government institutions, telecom companies and private enterprises with network surveillance and cybersecurity.

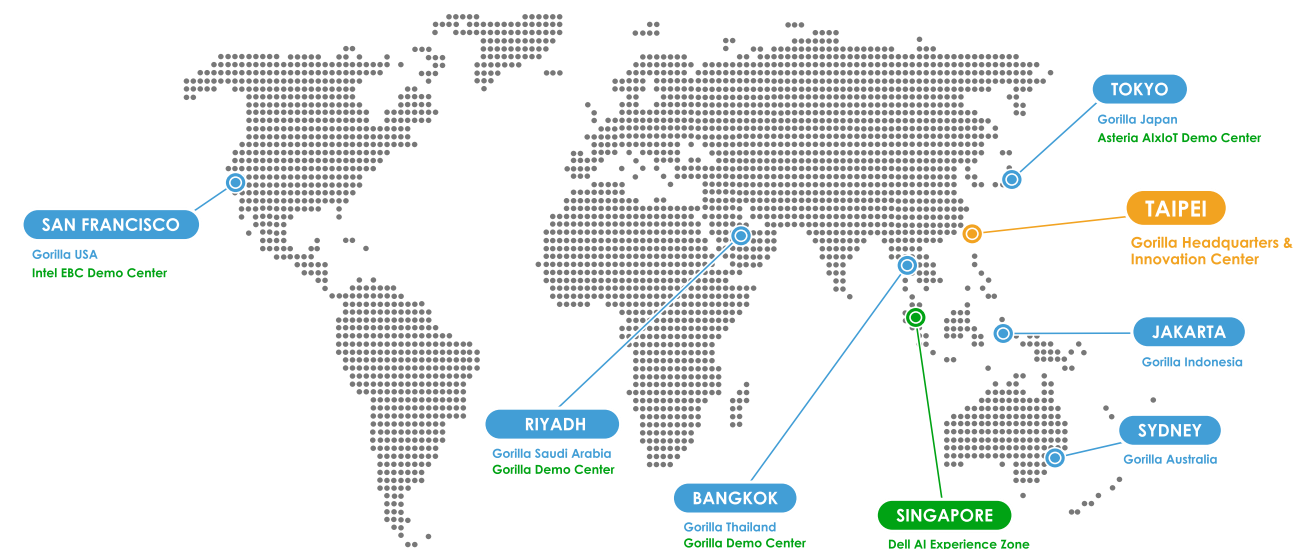
Being in the forefront of edge AI real-time video analytics and computer vision advancements, demand for ready-to-market solutions such as Gorilla IVAR keeps us going and by featuring our solutions together with industry leading partners, we are showing our intent to stay on the edge and in the lead.

## Partner with Gorilla Technology

Access our exclusive Edge AI Ecosystem and unlock your business success. Gorilla Technology provides robust and sophisticated applications to help Hardware Manufacturers, Software Creators, System Integrators (SIs), Distributors & Resellers, and Managed Systems Providers (MSPs) deploy and streamline integration. By combining cutting-edge technologies and industry experience, Gorilla is committed to helping its partners design complete solutions and accelerate business growth across different channels.

Join Today: <https://www.gorilla-technology.com/Partner-Program>

## Contact Us



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# IVAR<sup>TM</sup>

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All-in-One VMS & IVA

## Powered by Gorilla Technology

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