GORILLA

IVAR ®

(Intelligent Video Analytics Recorder) Version 1.11

All-in-One VMS & IVA

Endpoint Protection

intel partner Gold IoT Solutions

Gorilla Technology Group
www.gorilla-technology.com

Face Recognized

Jimmy Castle
VIP

Human Detected

Gender: Male
Age: Adult
Eyewear: Yes
Clothing Color: ■ 75% ■ 25%

Vehicle Classification

Vehicle Direction Detection & Counting

Direction	Count
Forward	2317
Backward	4
Right Turn	288
Left Turn	672

Illegal Turn

Legal Turn

Traffic Violation Detection

Level P1

License Plate Recognition
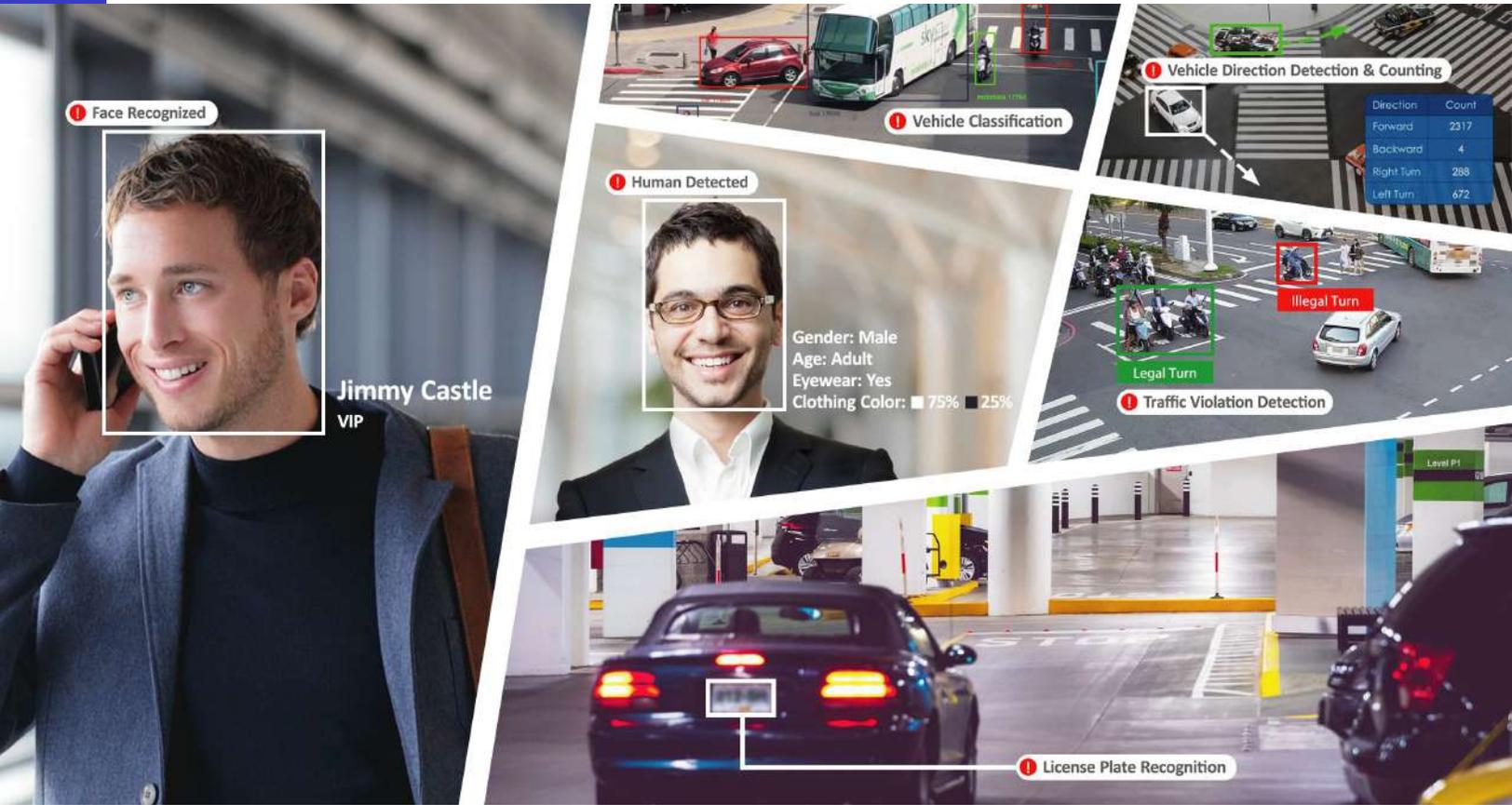
All-in-One VMS & IVA Solution

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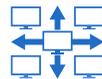
Flexible & Scalable with Client Needs

- 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.

Intel® Optimized for Cost & Performance

intel partner Gold IoT Solutions

- 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.

Make Proactive Choices Based on Actionable Insights, Not Guesswork

- Create Profiles and Dashboard Cards to View Event Data
- Gain Comprehensive and In-depth Statistical Charts that Visualize Video Data
- Gives You Actionable Insights to Enhance Operations
- Demographic, People Counting, & Vehicle Counting Dashboards and Statistics Available
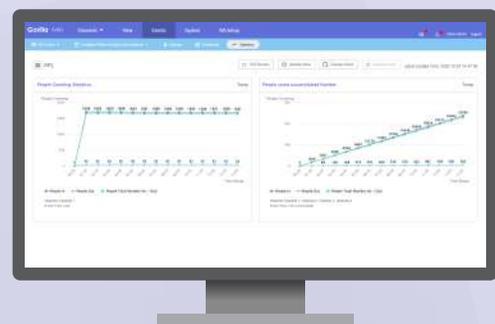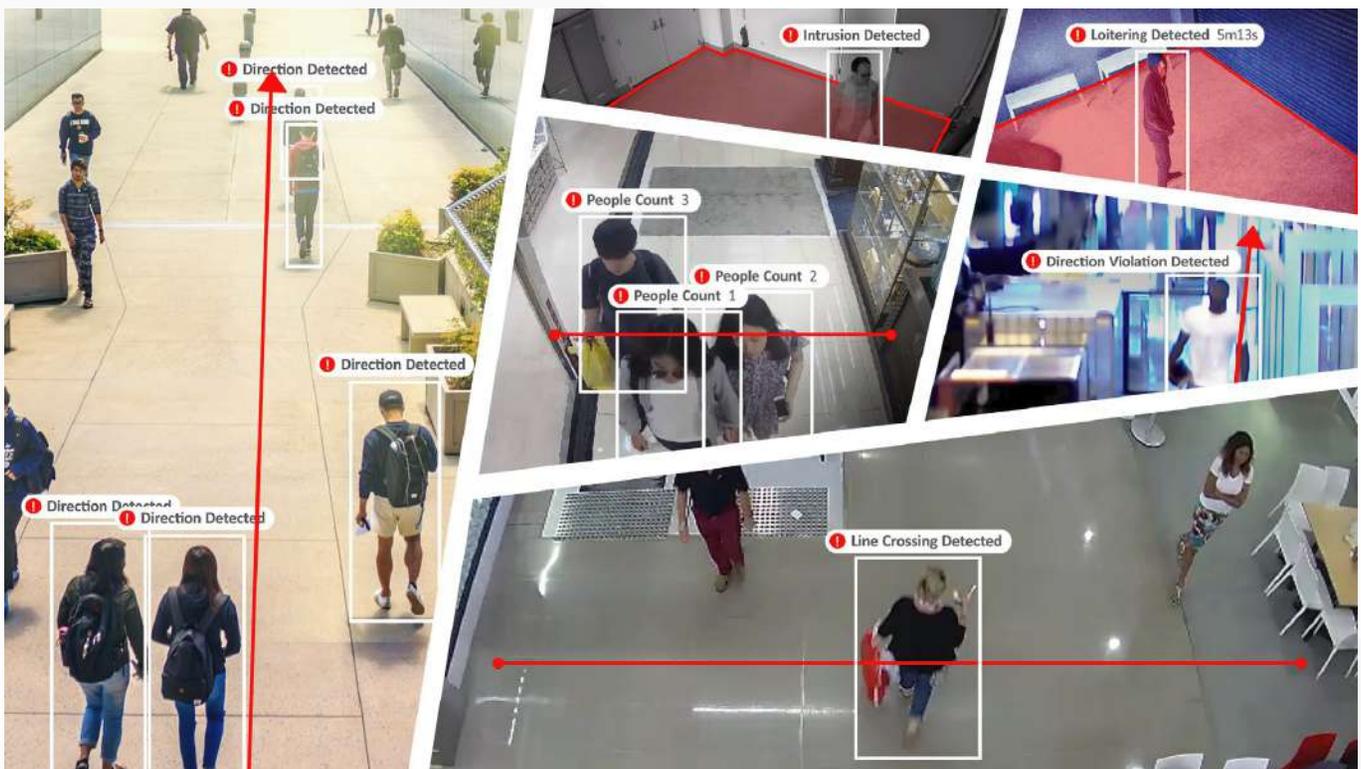
IVAR® Analytic Capabilities

Face Recognition
- VIP, Watchlist, Blocklist
  (Requires BAP companion module)

Human Detection
- Clothing Colors
- Faces
- Head & Shoulders
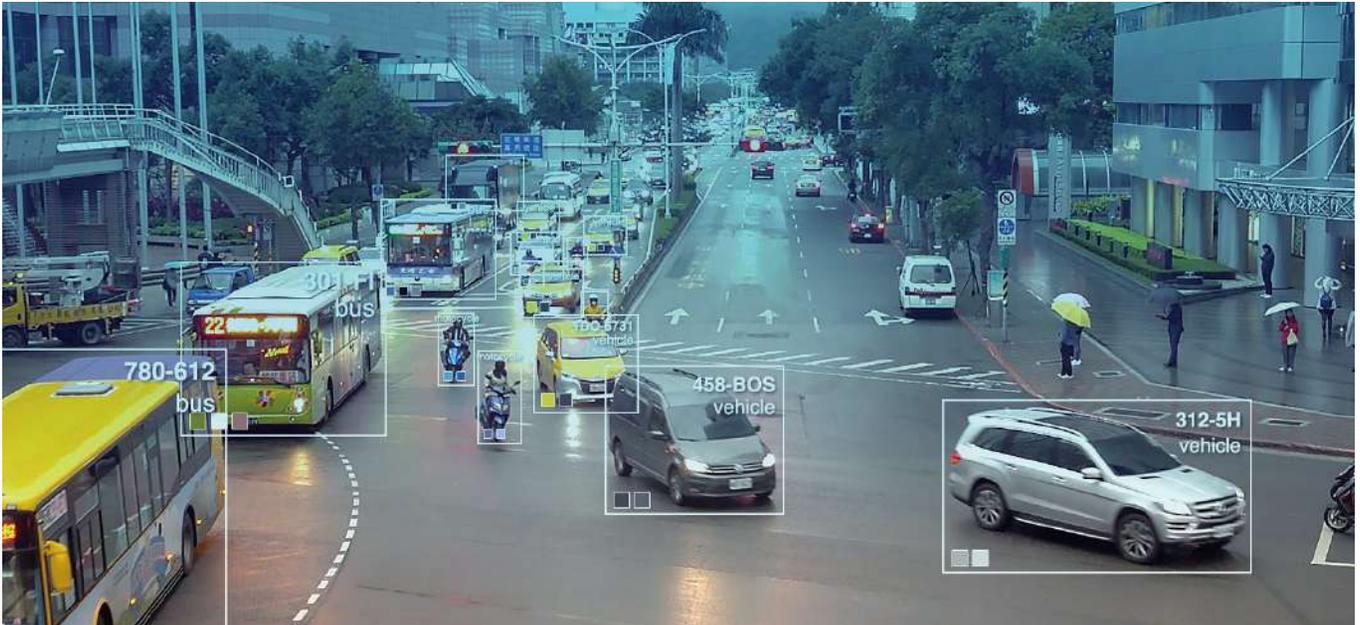
Face Detection
- Gender
- Age
- Eyewear
- Mask

Behavior Analytics
- Intrusion Detection
- Line Crossing
- Direction Detection
- Direction Violation

- Intelligent Behavior Analysis
- Loitering Detection
- People Counting (Zone and Line Crossing)

- Fall Detection (Depth Camera)
- Occupancy Estimation (Depth Camera)

IVAR® Analytic Capabilities

Vehicle & License Plate Recognition

- Vehicle Type Detection
- Vehicle Counting
- Vehicle Zone Intrusion

- Vehicle Path Analysis
- Vehicle Direction Violation

- Taiwan LPR
- Japan LPR

Pandemic Response Solutions

- Mask Detection
- People Flow Management
- Crowd Detection

![GORILLA logo]

IVAR® Analytic Capabilities

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 Core i3 12100
RAM	32GB DDR4-2133MHz
HDD1	256GB SSD
HDD2	500GB SATA (7,200RPM) or higher volume for video/event storage
OS	Windows 10 (64-bits), Windows 11 (64-bits), Windows server 2016/2019, Ubuntu 18.04 LTS (only for volume customers)
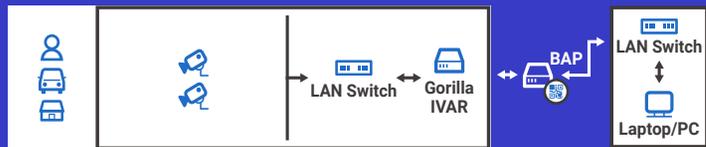
2 CH Recording, 2 CH IVA

Gateway

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

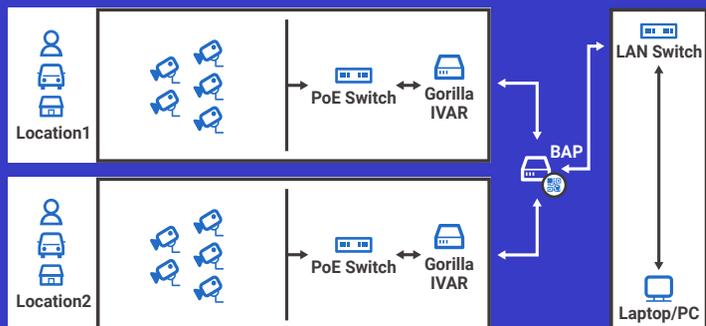|	
CPU	Intel Core i5 12600
RAM	32GB DDR4-2133MHz
HDD1	256GB SSD
HDD2	2TB SATA (7,200RPM) or higher volume for video/event storage
OS	Windows 10 (64-bits), Windows 11 (64-bits), Windows server 2016/2019, Ubuntu 18.04 LTS (only for volume customers)

5 CH Recording, 5 CH IVA

Server

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

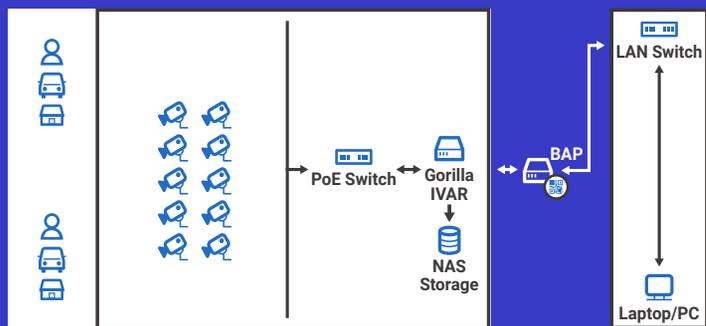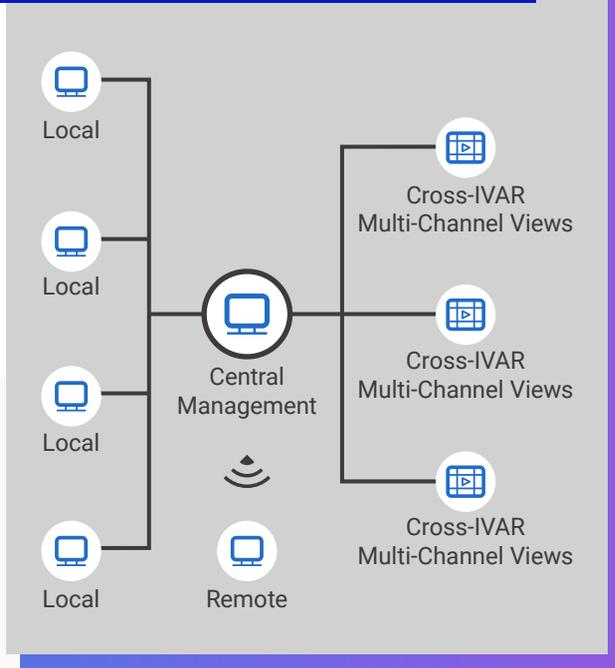|	
CPU	Intel Core i7 12700
RAM	32GB DDR4-2133MHz
HDD1	256GB SSD
HDD2	4TB SATA (7,200RPM) or higher volume for video/event storage
OS	Windows 10 (64-bits), Windows 11 (64-bits), Windows server 2016/2019, Ubuntu 18.04 LTS (only for volume customers)

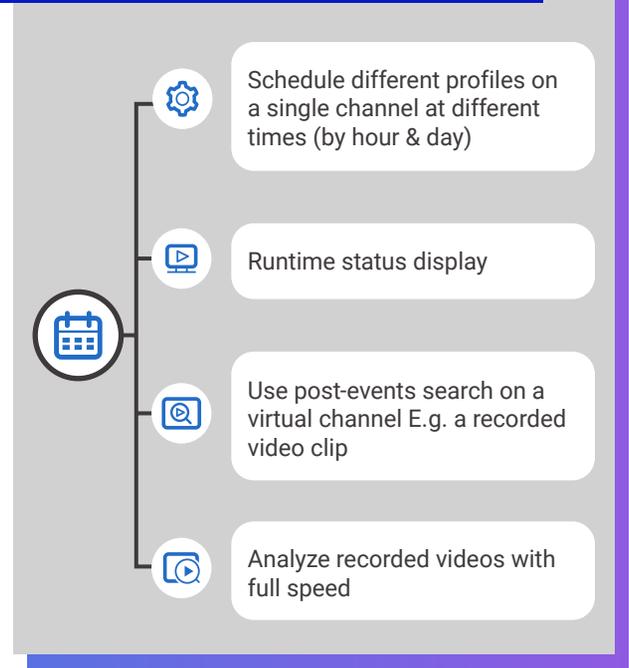**10 CH Recording, 10 CH IVA**

Supports CCTV & IP-based cameras RTSP, ONVIF Profile S, & PTZ compatible H.264 transcoding.
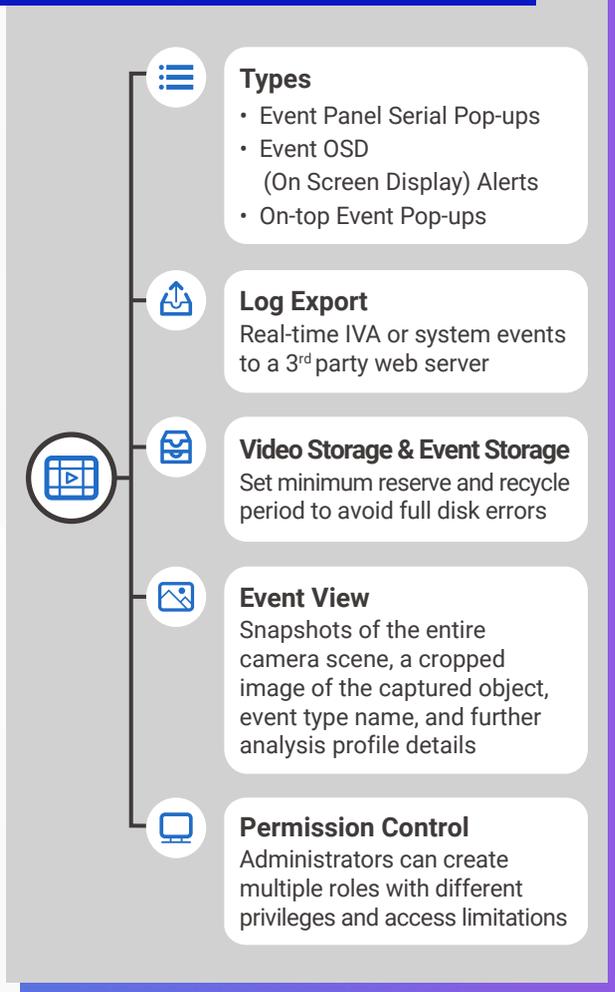
IVAR® Intelligent Architecture
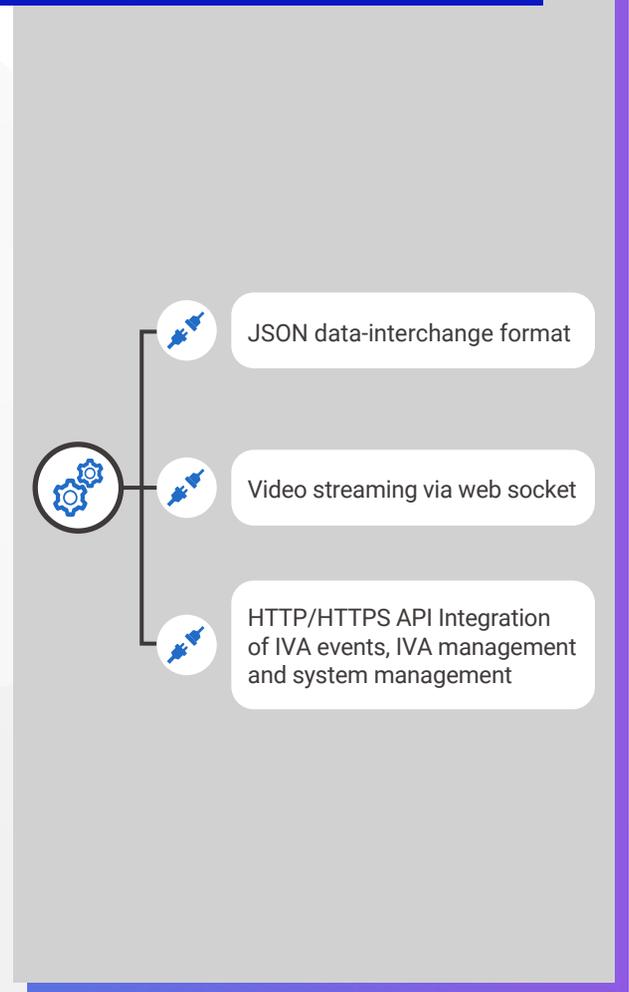
Systems Monitoring and Control

Local

Local

Local

Central Management

Local

Remote

Cross-IVAR Multi-Channel Views

Cross-IVAR Multi-Channel Views

Cross-IVAR Multi-Channel Views

IVA Profile Scheduling

Schedule different profiles on a single channel at different times (by hour & day)

Runtime status display

Use post-events search on a virtual channel E.g. a recorded video clip

Analyze recorded videos with full speed

Event Management

Types
- Event Panel Serial Pop-ups
- Event OSD
  (On Screen Display) Alerts
- On-top Event Pop-ups

Log Export
Real-time IVA or system events to a 3rd party web server

Video Storage & Event Storage
Set minimum reserve and recycle period to avoid full disk errors

Event View
Snapshots of the entire camera scene, a cropped image of the captured object, event type name, and further analysis profile details

Permission Control
Administrators can create multiple roles with different privileges and access limitations

API Integration

JSON data-interchange format

Video streaming via web socket

HTTP/HTTPS API Integration of IVA events, IVA management and system management

# 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.
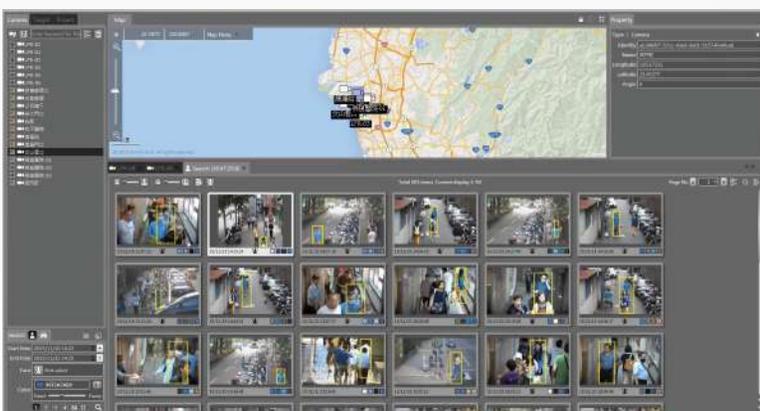
FVS (Fast Video Search)

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

Powered by Gorilla Technology