

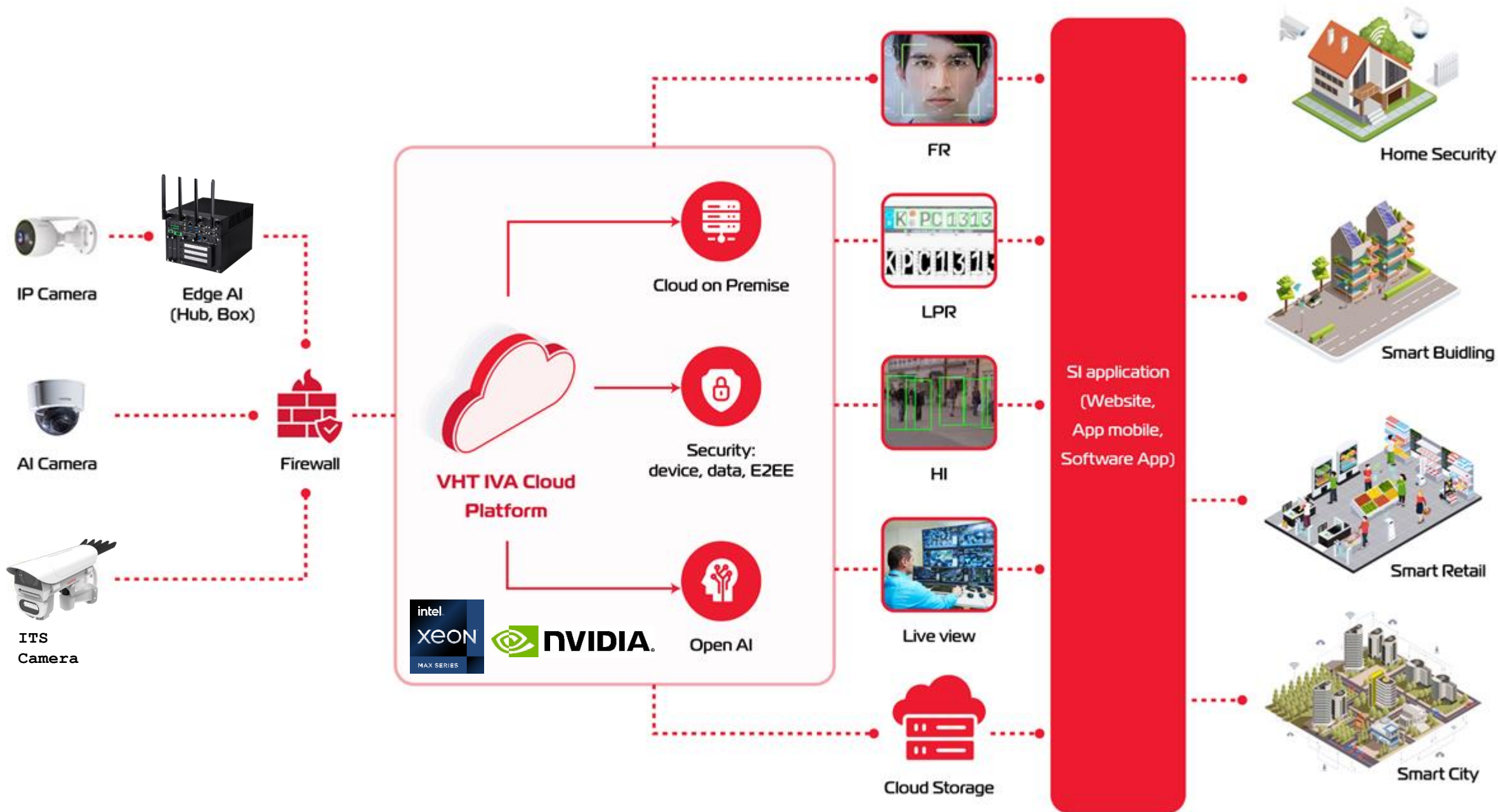


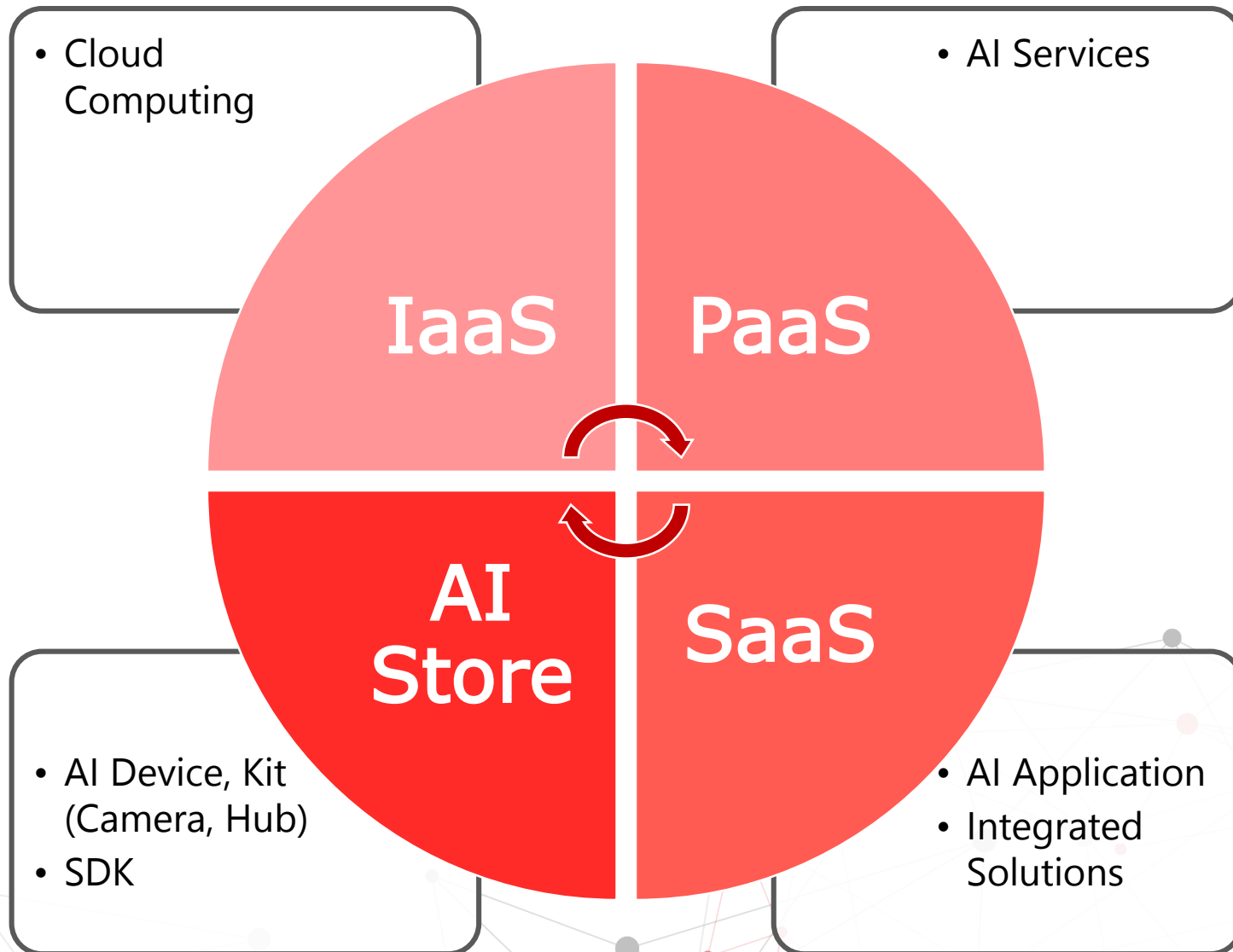
AI CAMERA SOLUTIONS





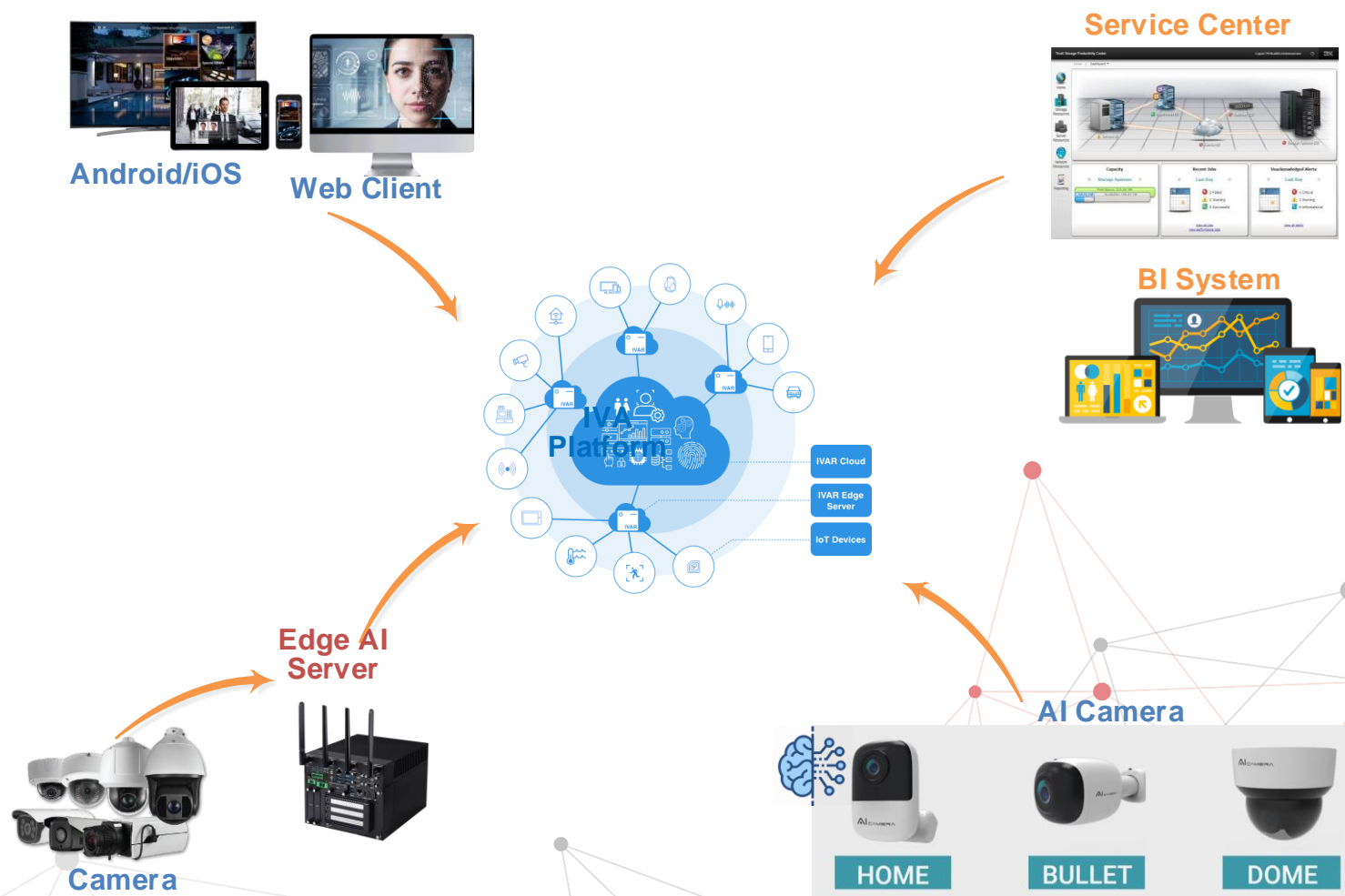
VHT IVA CLOUD PLATFORM












MODULES STRUCTURE





CAMERA DEVICES

TYPE	INDOOR CAMERA	OUTDOOR CAMERA	AI CAMERA	FLAGSHIP CAMERAAI	AI EDGE	NVR
SPECIFICATIONS	<ul style="list-style-type: none">- Resolution: 1080P, focal length: 4mm, encoding: H.264+, IR range up to 10m- WIFI + RJ45 connection, support microSD, Cloud storage, NVS/NAS, support two-way audio- Face recognition, motion detection, fire alarm	<ul style="list-style-type: none">- Resolution: 1080P, encoding H.264+, protection level IP66,- Focal length 4mm, IR range 10-15m- WIFI + RJ45 connection, support microSD, Cloud storage, NVS/NAS, support two-way audio- Face recognition, motion detection, fire alarm	<ul style="list-style-type: none">- Resolution: 1080P, encoding H.265, protection level IP67- Focal length 2,7-13,5mm, IR range over 50m- Support AI features inside camera such as face recognition, motion detection, fire alarm	<ul style="list-style-type: none">- Resolution: Full HD- Field of view ≥ 2 lanes (7m)- Support 4G/5G connection- AI features: LPR, detecting traffic violations (running red lights, wrong lanes)	<ul style="list-style-type: none">- AI GPU: 32/64 TOPS- Connection: Ethernet.- Support 8-16 cameras- Support resolution: Full HD- AI features: Facial Recognition, Human Detection, VHD, LPD, LPR, Violations detection	<ul style="list-style-type: none">- Chipset NVIDIA Jetson Xavier NX- Support 8 camera PoE (maximum 16 camera)- Support maximum resolution : 4K- AI features: Face recognition, motion detection, counting, heatmap
HIGHLIGHT PRODUCTS						

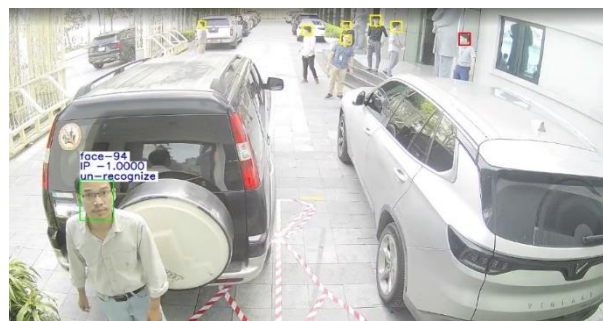


LIST OF AI SERVICES

Services Category	Service Name
Human	Face Detection
	Face Recognition
	Face Matching
	Human Detection
OCR	LPR
	ID Recognition
	Passport
Object Detection	Helmet
	Head
	Vehicle

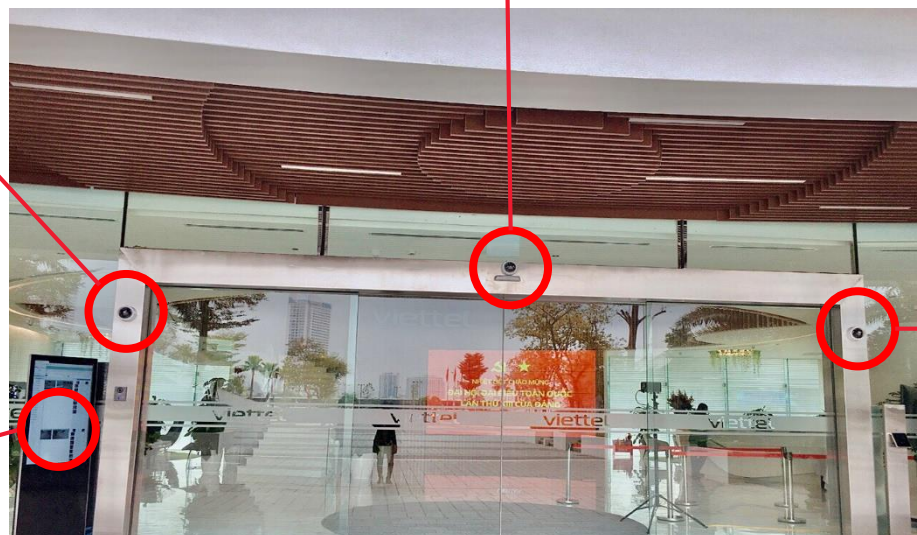
Services Category	Service Name
Fire Alarm	Fire Alarm
Video understanding	Fall Detection
	Fighting
Apps	ANPR
	Brief Video
	HI
	Personal Proactive Equipment (PPE)
	Demographic Recognition





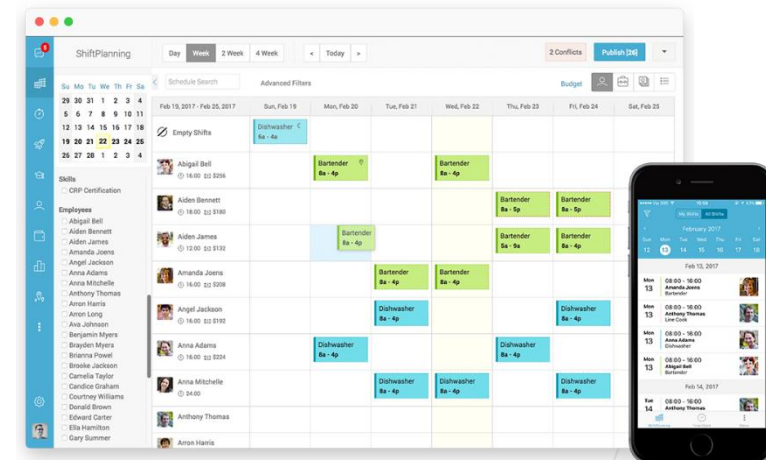
Detect multiple faces with mask

Remote monitoring



Display information in real-time on screen

Grant access to registered personnel



Automatic timekeeping
Manage visitors

Benefits:

- Provide security and safety for the building
- Convenience (no need for ID card, fingerprints)
- Reduce operation time, number of staffs



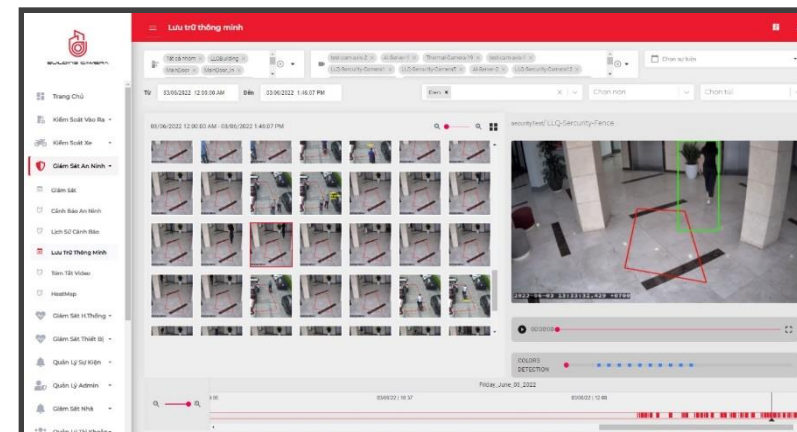
ADVANCE FUNCTIONS



Detect multiple faces simultaneously



Video synopsis



Smart Search



Abnormal behavior detection



Multi level smart alarm

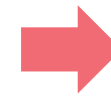


Remote monitor and control

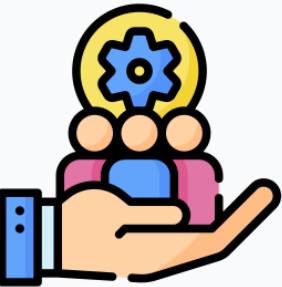


Security

- Security Monitor 24/07
- Real-time alert
- Customize monitoring zone

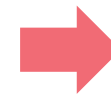


Provide security and safety for the store and customers



Store Management

- Timekeeping
- Monitor employee uniform
- Monitor working zone

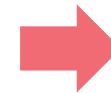


Improve management efficiency, service quality



Insight & Customer Experience

- Customer traffic
- Customer Demographic
- VIP and Potential customer analysis
- Heatmap
- Conversion Rate

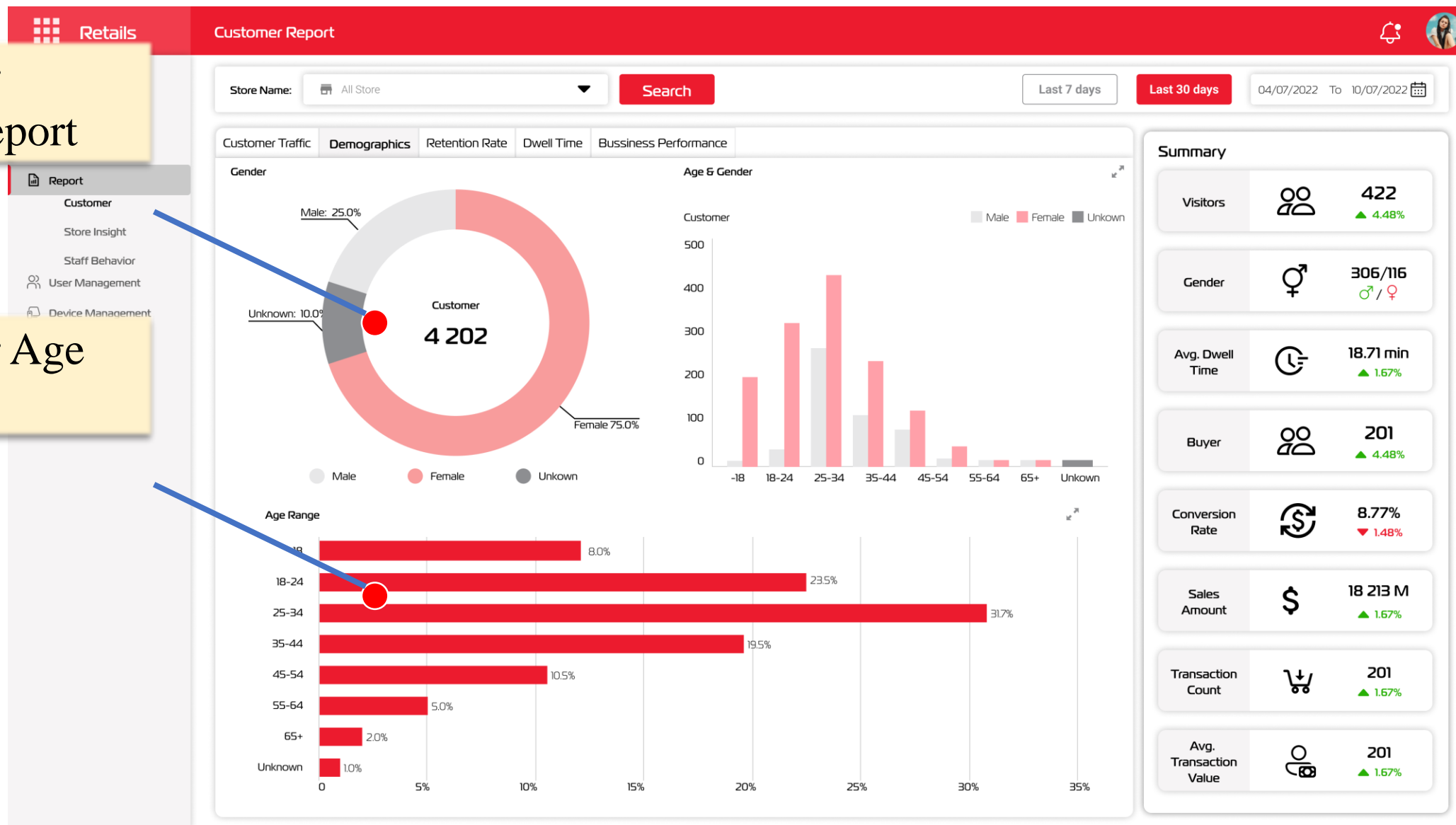


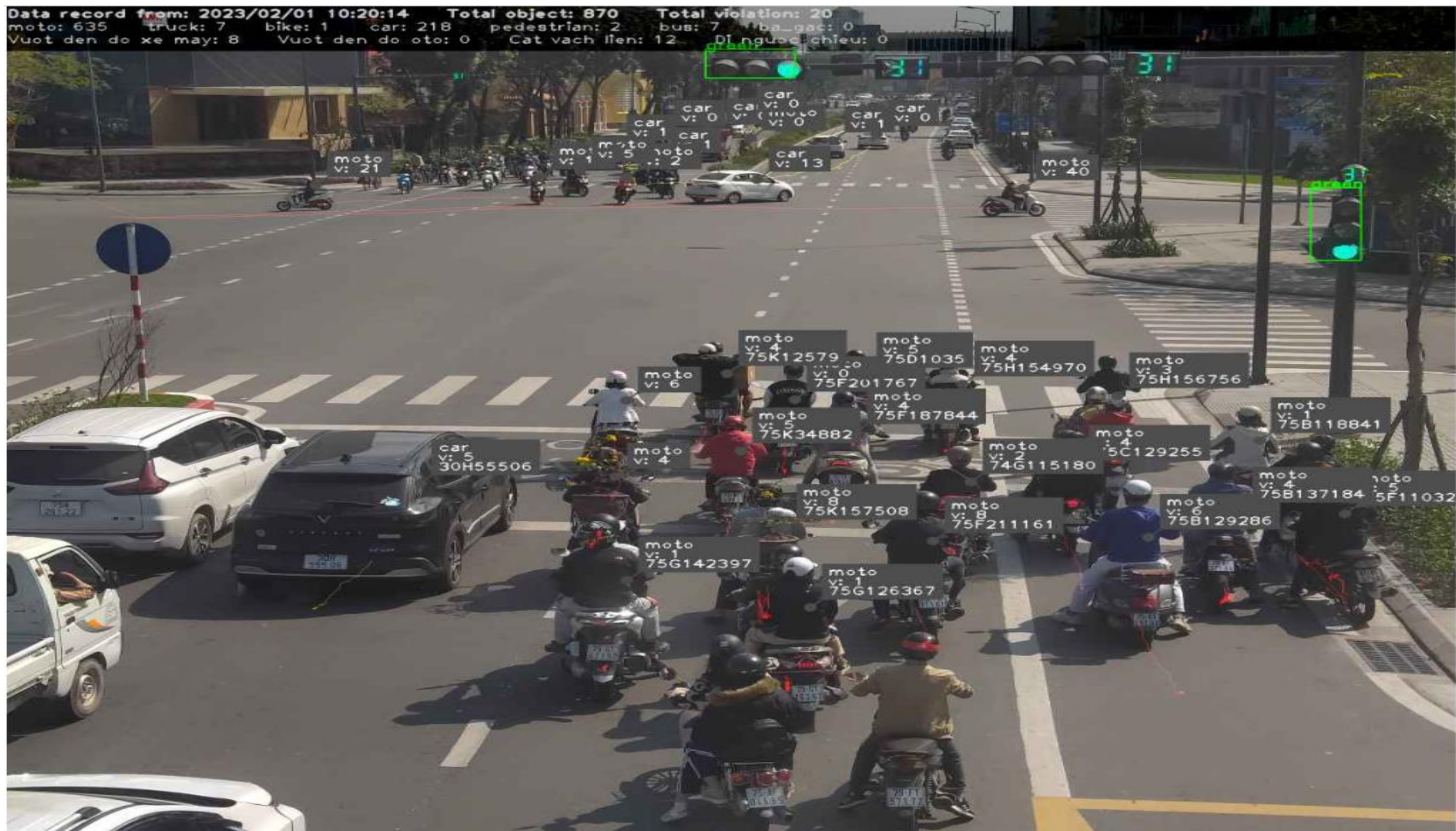
Provide insights to optimize store layout, activities, improve customer experience

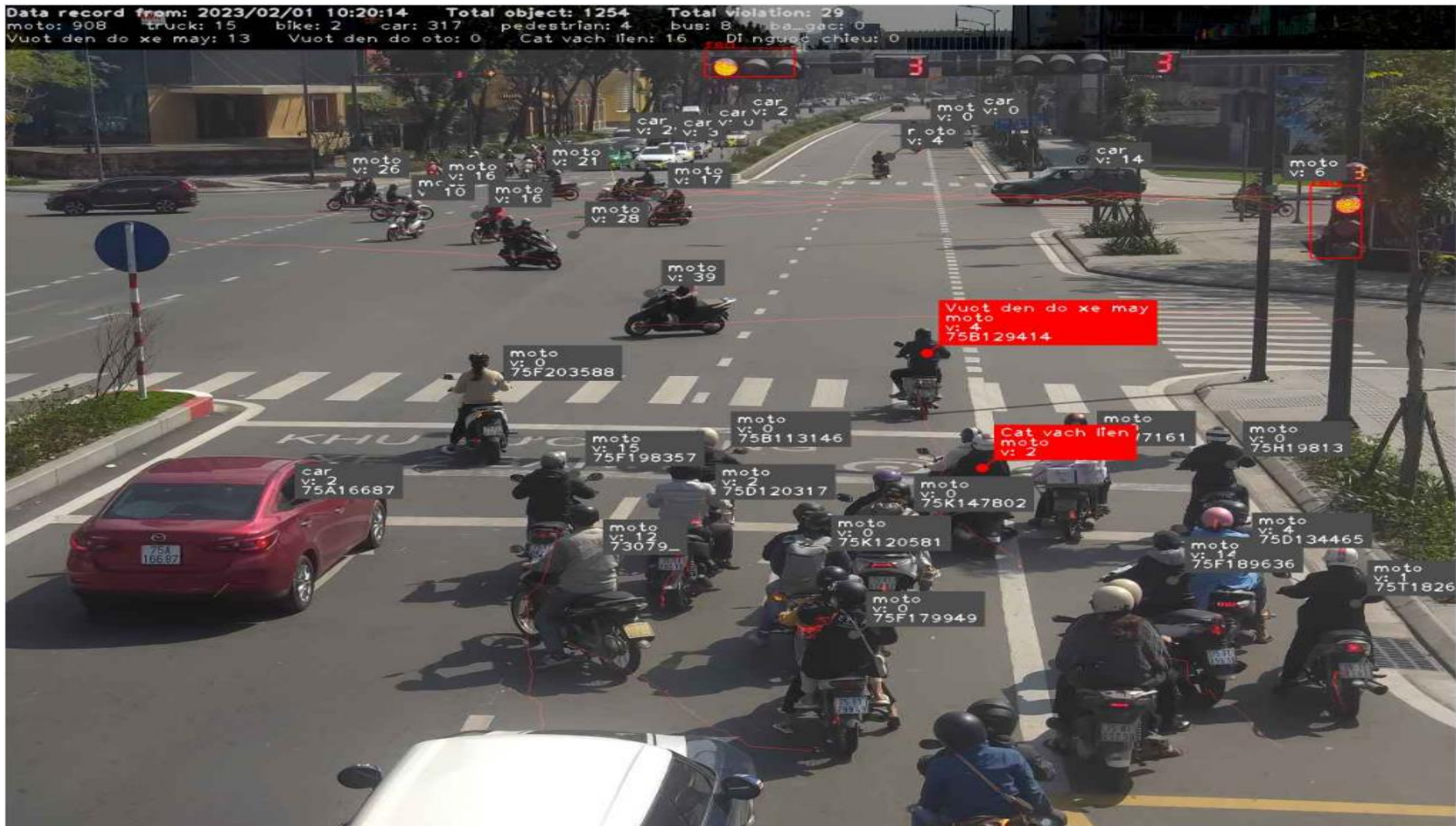


Customer Gender report

Customer Age Report









Bỏ lọc

Tìm kiếm

Hướng dẫn

Danh sách vi phạm chưa xử lý

Nhập thông tin tìm kiếm...

Vi phạm	Thông tin vi phạm
<div></div> <div><div>75A 177.67</div><div>75A17767</div><div>01/02/2023 10:57:07</div><div>Ngã 4 Bưu Điện Quảng Điện</div></div>	<div></div> <div></div>
<div></div> <div><div>75-K3 5907</div><div>75K35907</div><div>01/02/2023 10:58:29</div><div>Ngã 4 Bưu Điện Quảng Điện</div></div>	<div></div> <div></div>
<div></div> <div><div>50P2 6401</div><div></div><div></div><div></div></div>	<div></div> <div></div>

<<

<

2

>

>>

[11 - 20 / 1238]

In phiếu

Không lỗi

Gửi phê duyệt

75A17767

Xem video bằng chứng

Biển số xe

75A17767

Lịch sử

Số tiền phạt (*)

4000000

VND

Giữ GPLX

☐ Giữ GPLX ☒ Không giữ GPLX

T.gian vi phạm

01/02/2023 10:57:07

Loại phương tiện

Ô tô

Lỗi vi phạm

Không chấp hành hiệu lệnh của đèn tín hiệu giao thông

Tên camera

Ngã 4 Bưu Điện Quảng Điện

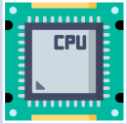
Ghi chú



DEPLOYMENT MODEL



On-premise / Cloud cam



Recommended hardware specs



Video management system



AI services





CASE STUDIES

VIETTEL HQ



Smart Building Solution:

- Smart Parking
- In/out monitoring
- Manage staff (with logged time)
- Manage visitors
- Interior Security
- Exterior Security

Smart home camera



Smart home camera:

- Intrusion detection
- Face Recognition
- End-to-end encryption

Smart retails solution



Smart retails solution:

- Viettel Store, Masan, GoldSun
- Counting
- Heatmap
- Demographics
- Smart Advertisement

Smart banking solution for MB Bank



Smart banking solution:

- Intrusion detection, Face Recognition
- Remote Monitoring

Smart City Solution



Smart City Solution:

- Ecoriver Hai Duong, Sunshine Phuc Tho
- Intrusion detection, Face Recognition

Smart Factory Solution



AI camera solution for factory, port

- Ford Hai Duong, Vietsovp petrol
- Intrusion detection, vehicle in/out

REAL DEMO

viettel

viettel

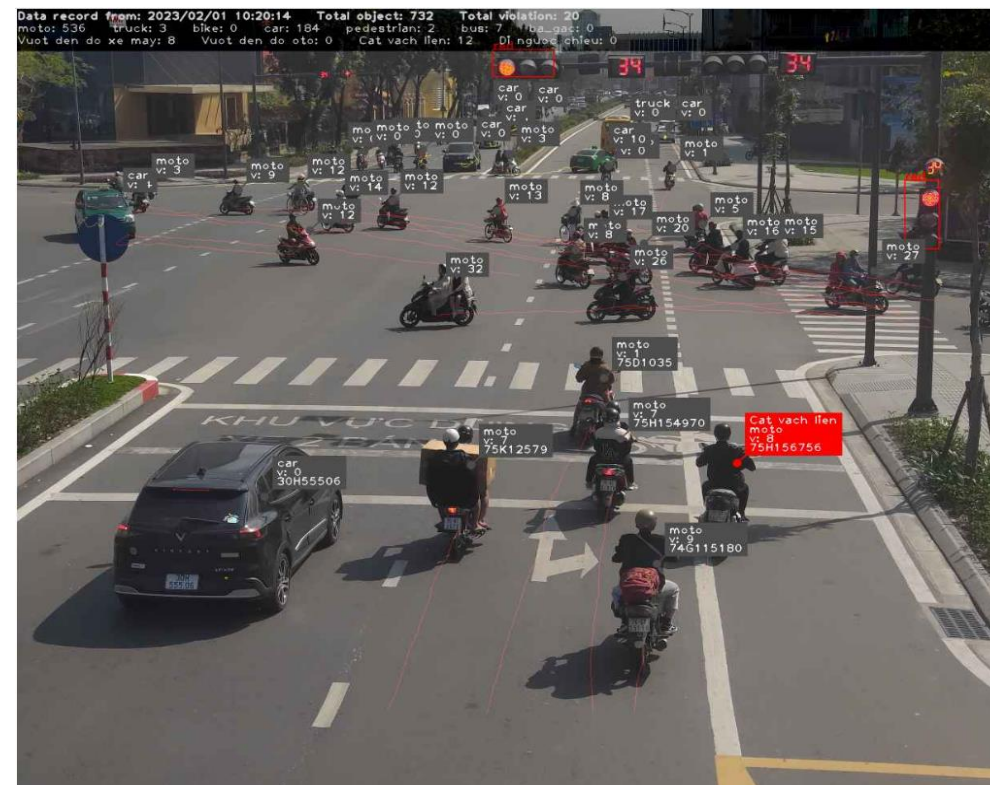
VIETTEL HIGH TECHNOLOGY INDUSTRIES CORPORATION



Traffic Camera



Edge AI computing



Cross road management

THANK YOU!

viettel

viettel

VIETTEL HIGH TECHNOLOGY INDUSTRIES CORPORATION