Dahua Smart Gas Station Solution

Safety and business innovation

Fire Detection & Alarm

Vandalism Prevention

Operation Efficiency

Challenges

Fire Accident

Gas stations are explosive and flammable. A single cigarette can cause tremendous loss of lives and property.

Theft & Robbery

Gas stations are open so anyone can come and commit crime. Especially the convenience store is a vulnerable place where the safety of staff is often at risk.

Business Competition

Competitions between different gas station brands are rising. Reducing manpower, optimizing operation and promoting non-oil sales are all key to increasing revenue.

Station Overview

Convenience Store
· Emergency Alarm
· Precise Ad Display
· Retail BI Solution

Unloading Area
· Fire Detection
· Explosion-proof
· Smoking Detection

Office
· Access Control
· Time Attendance
· Station Control Center

Parking & EV Zone
· Overtime Parking Alarm
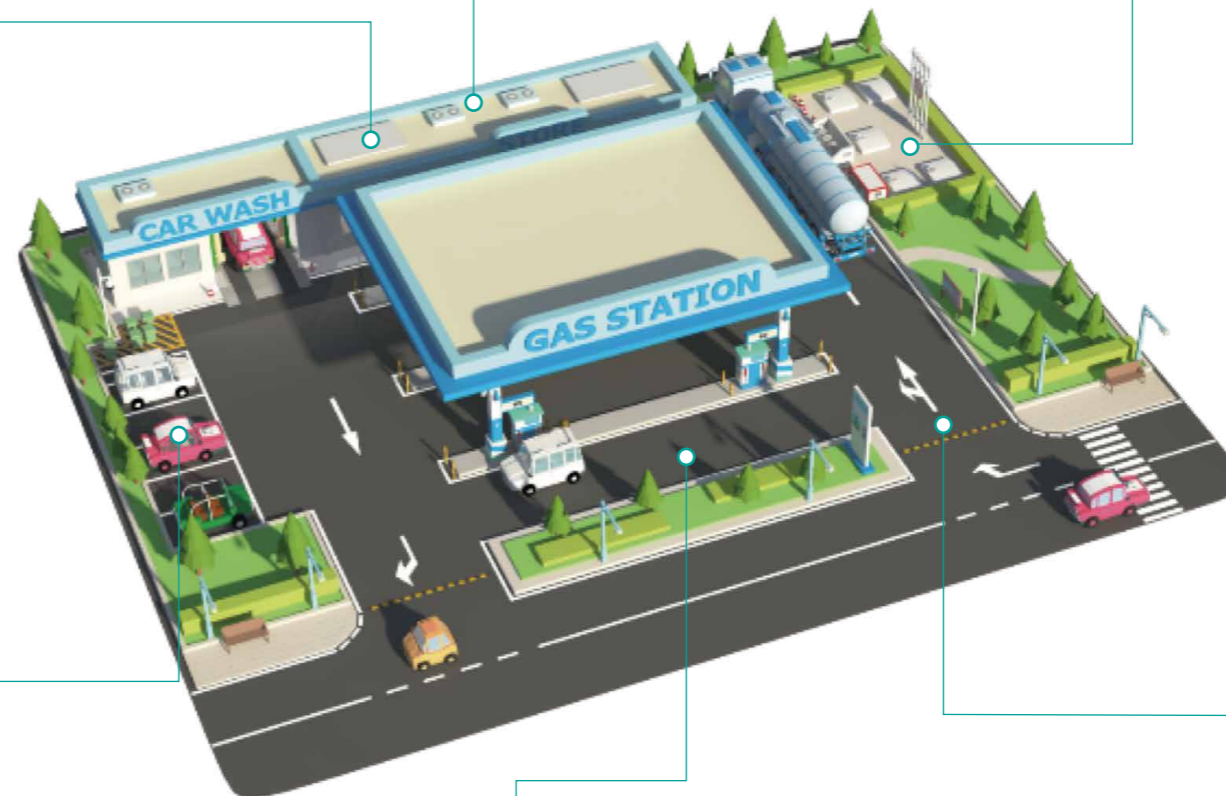· EV Recognition
· EV Data Collection

Refueling Area
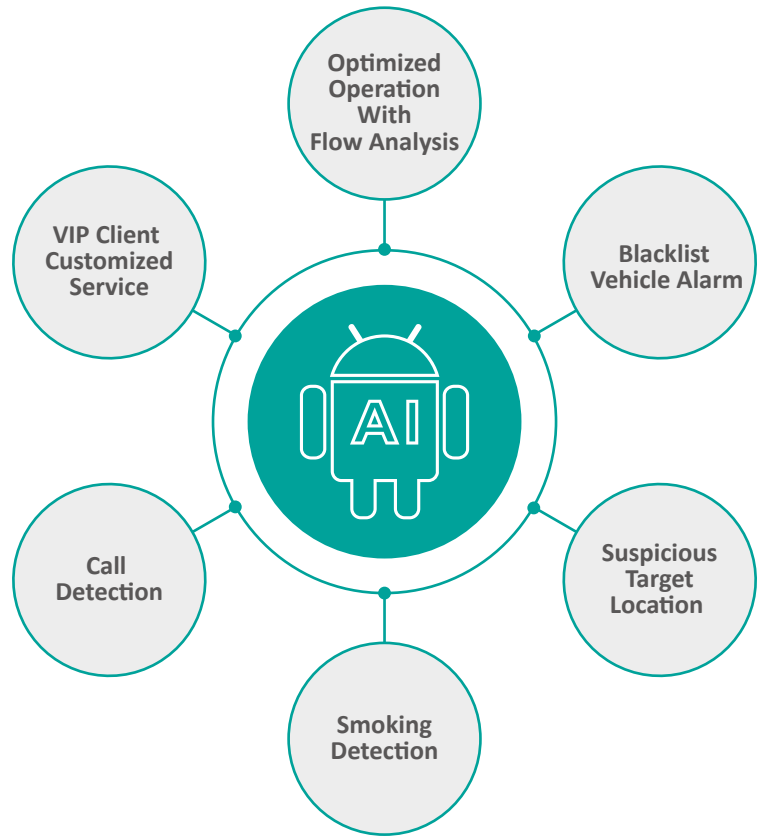· Audio Record
· Fire Detection
· Vehicle Recognition

Entrance & Exit
· Vehicle Flow Analysis
· Black And VIP List
· Greeting Display

Innovation Station

Decrease Escaping Bills

Decrease Manpower

Decrease Safety Accidents

Increase Refueling Revenue

Optimized Operation With Flow Analysis

VIP Client Customized Service

Blacklist Vehicle Alarm

AI

Call Detection

Suspicious Target Location

Smoking Detection

Refueling Payment Update

Refueling Payment

Membership Verified!

Cash & Card Free!!!

License Recognition
Plate No: Xxxxxxx

Face Recognition
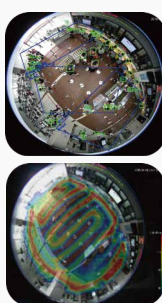Member ID: 12345678

Oil Gun Unlocked
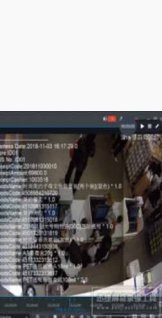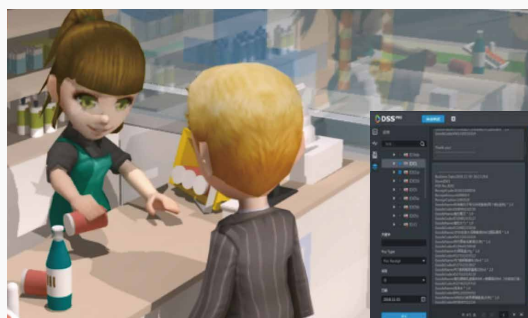
Target Ad Display

Smart Retail

People Monitoring
- Traffic By Time & Weather
- Customer Identification
- Intimidate Potential Thieves

Heat Map Fusion
- Customer Trajectory
- Customer Number And Dwell Time
- Optimize Store Layout

POS Integration
- POS Search
- POS Overlay

Profitable Advertising

From Paper
To Digital

From Manual
To Automatic

More
Accurate Ads

Improve
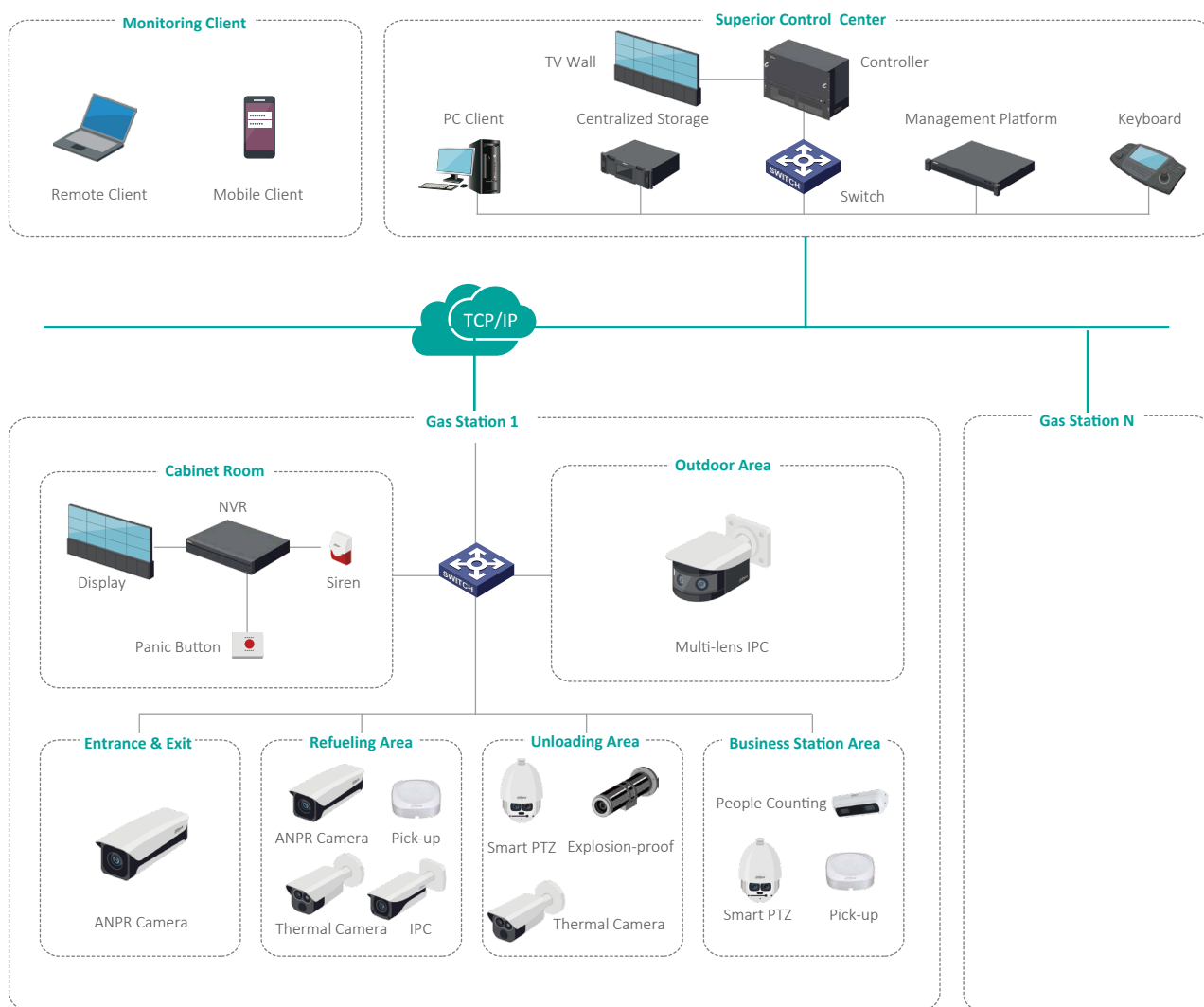Atmosphere

Improve Efficiency
& Reduce Cost

Promote
Store Sales

Gender: Male
Age: Middle aged
Glasses: No
Expression: Normal

Smart Gas Station Solution
Safety and business innovation

Solution Highlights

- Open Cooperation
- No Dead Corner Monitoring
- Cost-effective AI
- High-end Advertising

Solution Topolgy

Monitoring Client
- Remote Client
- Mobile Client

Superior Control Center
- TV Wall
- Controller
- PC Client
- Centralized Storage
- Management Platform
- Keyboard
- Switch

TCP/IP

Gas Station 1

Cabinet Room
- Display
- NVR
- Siren
- Panic Button

Outdoor Area
- Multi-lens IPC

Entrance & Exit
- ANPR Camera

Refueling Area
- ANPR Camera
- Pick-up
- Thermal Camera
- IPC

Unloading Area
- Smart PTZ
- Explosion-proof
- Thermal Camera

Business Station Area
- People Counting
- Smart PTZ
- Pick-up

Gas Station N

Product Overview

Product	Description	Outdoor	Entrance & Exit	Refueling Area	Unloading Area	Conve-nience Store	Office	Control Center
DH-IPC-PFW8840P-A180	4x2MP Multi-lens Panoramic Network IR Bullet Camera	●						
DHI-ITC215-PW6M-IRLZF-B	2MP Full HD WDR Access ANPR Camera		●	●				
DH-IPC-HFW5241E-ZE	2MP WDR IR Bullet Camera			●				
DH-TPC-BF2221	Thermal Network Bullet Camera			●	●			
DH-SD6AE233XA-HNR	2MP 33x Starlight + IR PTZ AI Network Camera				●			
DH-IPC-HDBW5241E-ZE	2MP WDR IR Dome					●		
DH-IPC-EBW81242	12MP Panoramic Network IR Fisheye Camera					●		
DH-HAP200	Pickup					●		

Product Overview

Product	Description	Outdoor	Entrance & Exit	Refueling Area	Unloading Area	Convenience Store	Office	Control Center
DH-ARD812	Emergency Button					●		
DH-IPC-HDW8341X-3D-S2	Dual-lens People Counting AI Network Camera					●		
NVR5432-16P-I	32Channel 1.5U 16PoE AI Network Video Recorder						●	
DHL32-F600	31.5" LCD Monitor						●	
DSS Pro	Management Platform							●
NKB5000(-F)	Keyboard							●
DHL460UCH-ES	46" High Brightness LCD Display Unit (3.5mm)							●

* Design and specifications are subject to change without notice.

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