



Masked-Face Facial Recognition and Temperature Screening

User Requirements

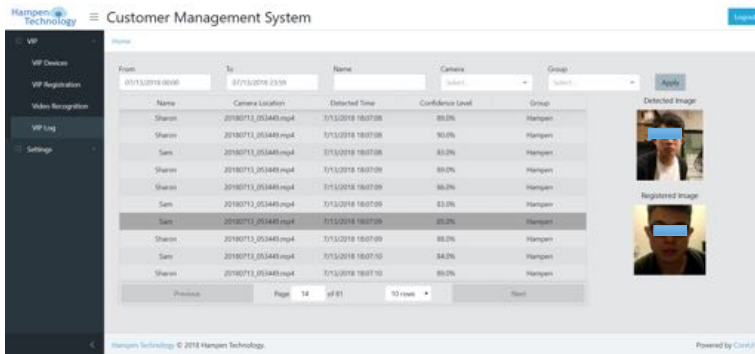
Masked Face Detection/Facial Recognition and Body Temperature Screening

- Auto and Human-less All-in-1 thermal screening system (Optical, Thermal and Speaker)
- Detect people not wearing mask and produce warning
- Facial Recognition of registered personnel even with face mask on

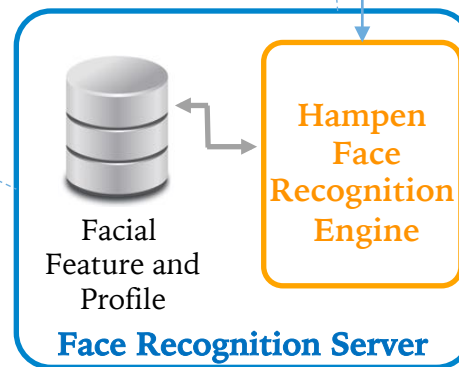
Temperature Screening Station/Access Control

Face Recognition Door Access System

- Access control with temperature sensor (working distance 0.5-0.7m)
- Can function as temperature station
- Can provide fever mobile alert, VIP/blacklist mobile notification

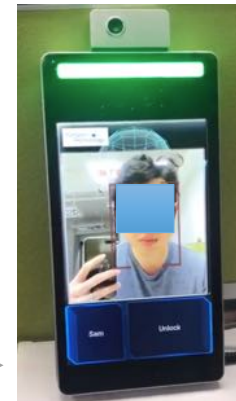


Registration and Access Log CMS Dashboard

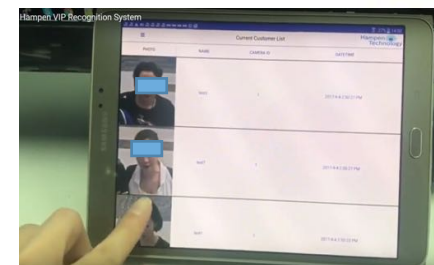


Meta Data

Open Door



FR Panel with
thermal camera
module
+/- 0.2-0.4
degree



Push notifications to
mobile app

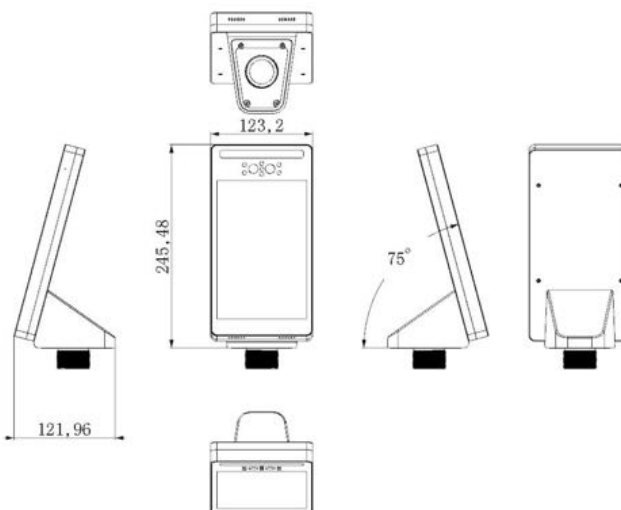
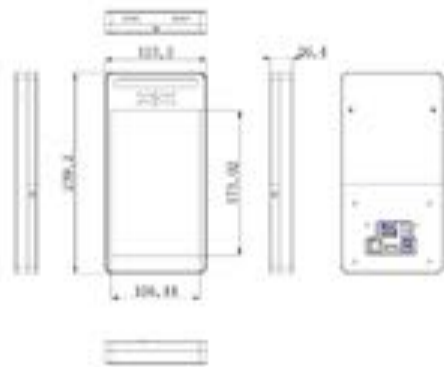
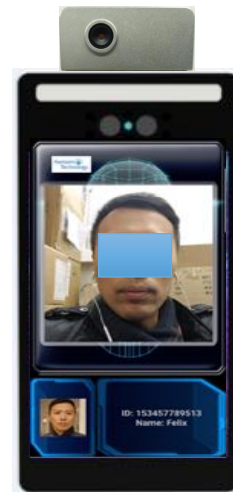
Value Proposition:

1. Take staffs attendance with full temperature records
2. Alert potential corona virus infected visitors/staffs

Facial Recognition Panel Device with Thermal Camera module

Face Recognition Panel Device FP_01NC

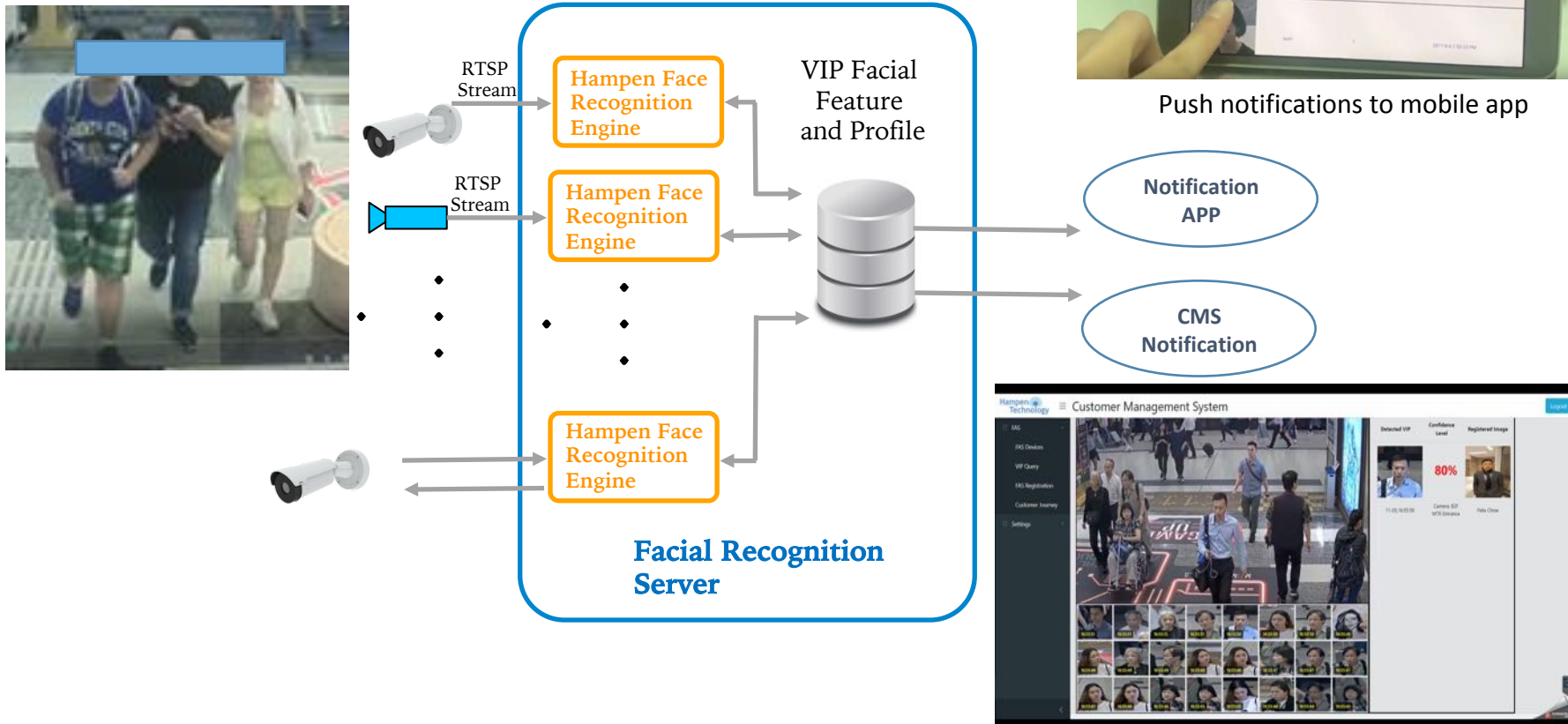
- Alloy exterior casing
- Reinforced glass panel
- Dimension: 26*123*173mm (depth*width*height)
- Android OS; CPU Quad Core 1.8GHz
- 2GB Memory, 8GB SSD storage
- 8-inchTFT-LCD. Resolution 1280*800
- Dual-Camera 2Mpixel RGB+1.3Mpixel IR
- IR sensing
- Liveness Detection
- Support WiFi/LAN
- Temperature precision +/- 0.2-0.4 degree
- Working distance 0.5-0.75m
- Target temperature: -20 °C ~ + 300 °C;



Optional: IP Camera Tracking

Track Person with high temperature or Person of Interest

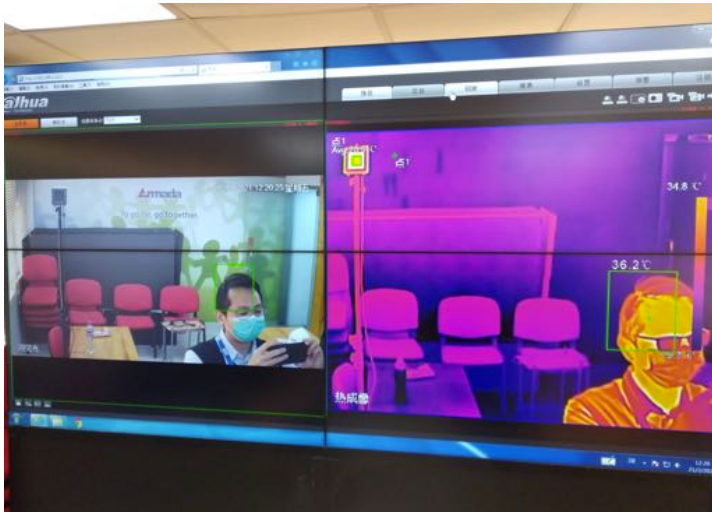
1. Track visitors path and location with multiple IP cameras and send mobile alert



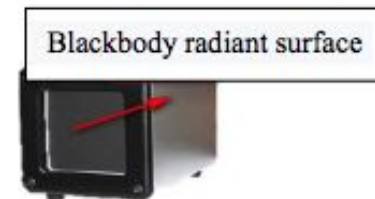
Optional: Wide Area Temperature Monitoring

Dahua Thermal Camera System with Blackbody Reference

- Wide area/high volume traffic monitoring
- Precision at ± 0.3 with blackbody reference device
- Buzzer alert when abnormal temperature is detected



BF 3221



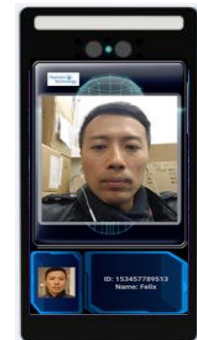
Value Proposition:

1. Wide area monitoring
2. Log temperature data
3. Flag alert when abnormal temperature detected

References: Hang Seng Bank (Security/Attendance)

Security

- Hang Seng Bank Conference Room Access Control and set up room settings
- Record staff attendance and room usage



Value Proposition:

1. Cardless Entry
2. Setup room settings automatically
3. Automatically takes staff attendance and room usage

Customers Validation (Retail)

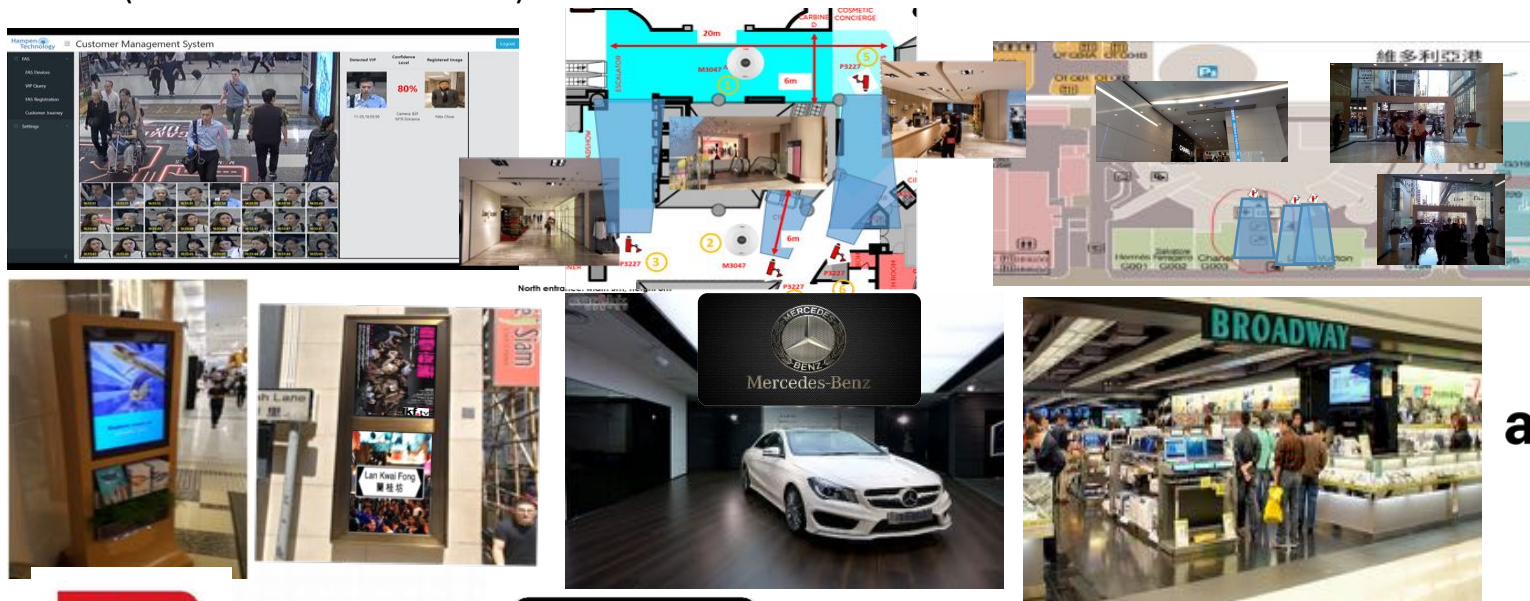
Retail Analytics

- Hong Kong Government OGCIO (Facial Recognition Access Control, Demographics, Heatmap Analysis)
- New World Development, K11 (VIP Recognition System Shopping malls in Hong Kong, GuangZhou, etc.)
- Lane Crawford and Wharf (Customer Traffic Flow/Staff attendance at retail chain)
- Lan Kwai Fong Company (Outdoor Customer Demographics/Sentiment)
- Harbour City (Customer Demographics/Sentiment)
- Broadway Electronics (Heatmap/Traffic Flow)
- Mercedes Benz HK (Customer Analysis)
- Accenture (Facial Recognition, Heatmap/Traffic Flow)
- HK Police (Outdoor People Counting, People traffic flow)
- EMSD (AI cremation automation)



香港特別行政區政府
政府資訊科技總監辦公室

機電工程署
EMSD



accenture



LaneCrawford

LAN KWAI FONG
蘭桂坊集團
GROUP



百老匯
BROADWAY

HARBOUR CITY
海港城



Mercedes-Benz

Hampen
Technology

Customers Validation (Retail)

Retail Analytics

- Karcher (Customer Tracking/demographics/heatmap at retail chain)
- Go Airborne Macau (Customer Demographics/Sentiment)
- Indonesian Shopping Mall (Customer Demographics/Sentiment)
- Sino Development (VIP Recognition, Staff Attendance)



Customers Validation (Security)

Security

- Hang Seng Bank (Access Control)
- Mexico Door Access Control
- US Gas Station (Blacklist Alerts/Anti-theft)
- Attendance (Kowloon Kindergarten)
- Door Access/Stranger Detection (Office Building)

