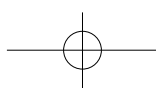


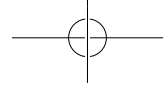
SENSETIME
商 湯 集 團

www.sensetime.com

SenseFace Surveillance System

- Intelligent engine of visual surveillance system
- Ex ante, concurrent & ex post technical support service
- Applicable to security, missing people & suspects search





Functions

Real-time Surveillance



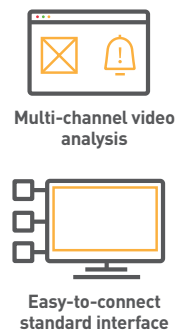
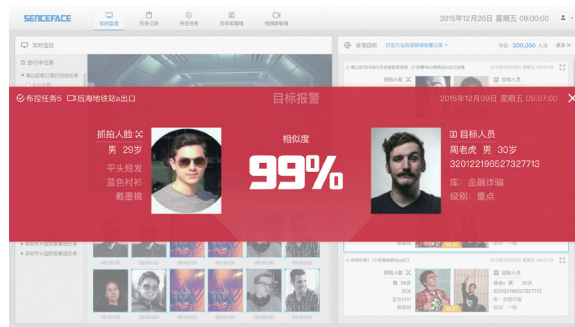
Face tracing & capture
Head & shoulder detection & tracing
Multi-attribute recognition

Records Research



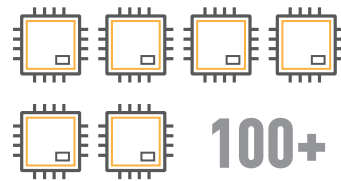
Surveillance results statistics
Face captured history
Alarm history

Intelligent Alarm



Features

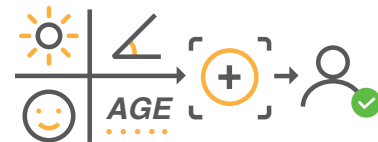
Deep Learning



Deep learning platform with a parallel connection of hundreds of GPUs

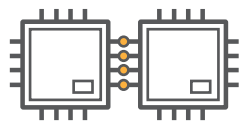


Highly abstract face model out of 10 million+ data



High-precision face recognition when lighting, facial expressions & poses and age vary

1000+ Channels Video Surveillance



System architecture based on GPU cluster

Real-time face capture & recognition in
1000+
channels video

Instant Search & Archive

Compare results available within
300ms
in 10 million+ targets database

Archive
2 million
face images per hour

Flexible Surveillance

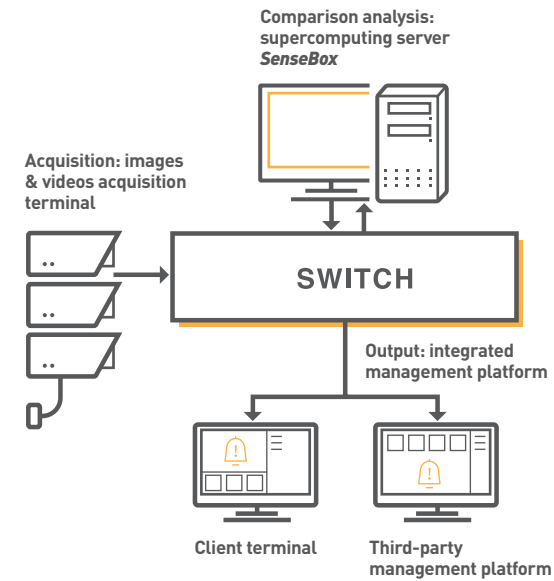


Settings of Surveillance tasks by time period, location, target library, etc.

Real-time Recognition

Single server to detect, align & track of
16-channel 1080p videos at 25 frames
and recognize from 1 million+ targets database.

Software & Hardware Architecture



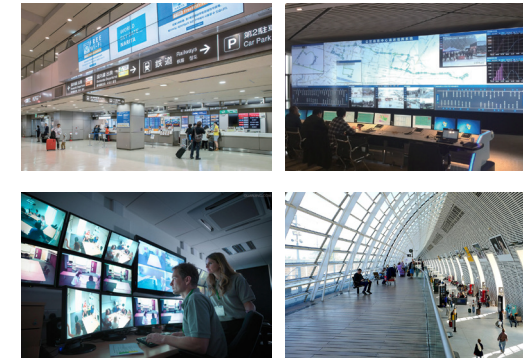
Core Component – Dynamic Comparison Server



- Dynamic video analysis & face capture algorithm
- Core face recognition service

Applicable Scenarios

The entrance & exit to customs, subways, railway station, airports, etc.



Entertainment Venues including Hotels, shopping malls, netbars, etc.



Key arteries including crossroads, street intersections, etc.



Cooperative Partners



