

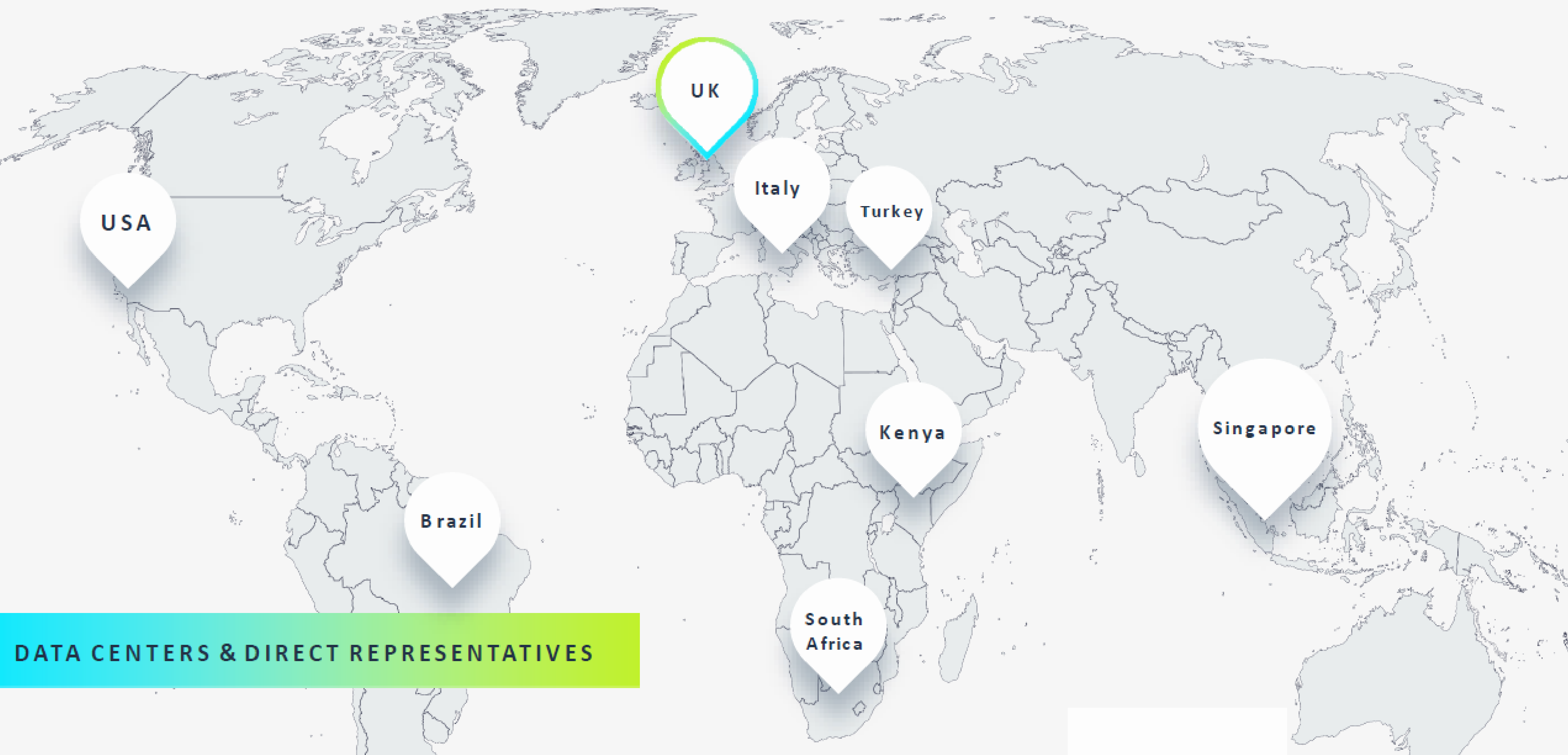


**CLOUD - NATIVE SENTINEL AI VISION**

**AND AI-BASED VIDEO ANALYTICS**

**INGOUDE  
COMPANY**





**USA**

**Brazil**

**UK**

**Italy**

**Turkey**

**Kenya**

**South  
Africa**

**Singapore**

**DATA CENTERS & DIRECT REPRESENTATIVES**

# Our software products



Cloud-based  
VMS



AI-based  
Video Content Analysis  
Platform (VCA)

## Our solutions

Cloud-based  
VMS



Cloud-based  
**(VSaaS)**



On-premise

AI-based  
Video Content Analysis  
Platform (VCA)



Cloud-based  
**(VAaaS)**



On-premise





 Roborealm

Cloud-based VMS

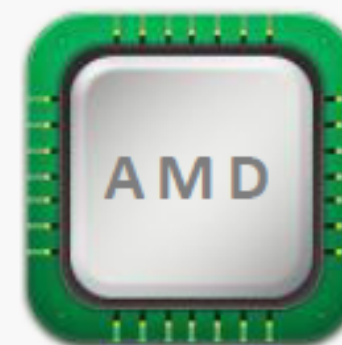


# Cluebase on-premise VMS **features**

Any type of camera



Can run on different CPUs



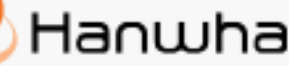
Native support for docker containers



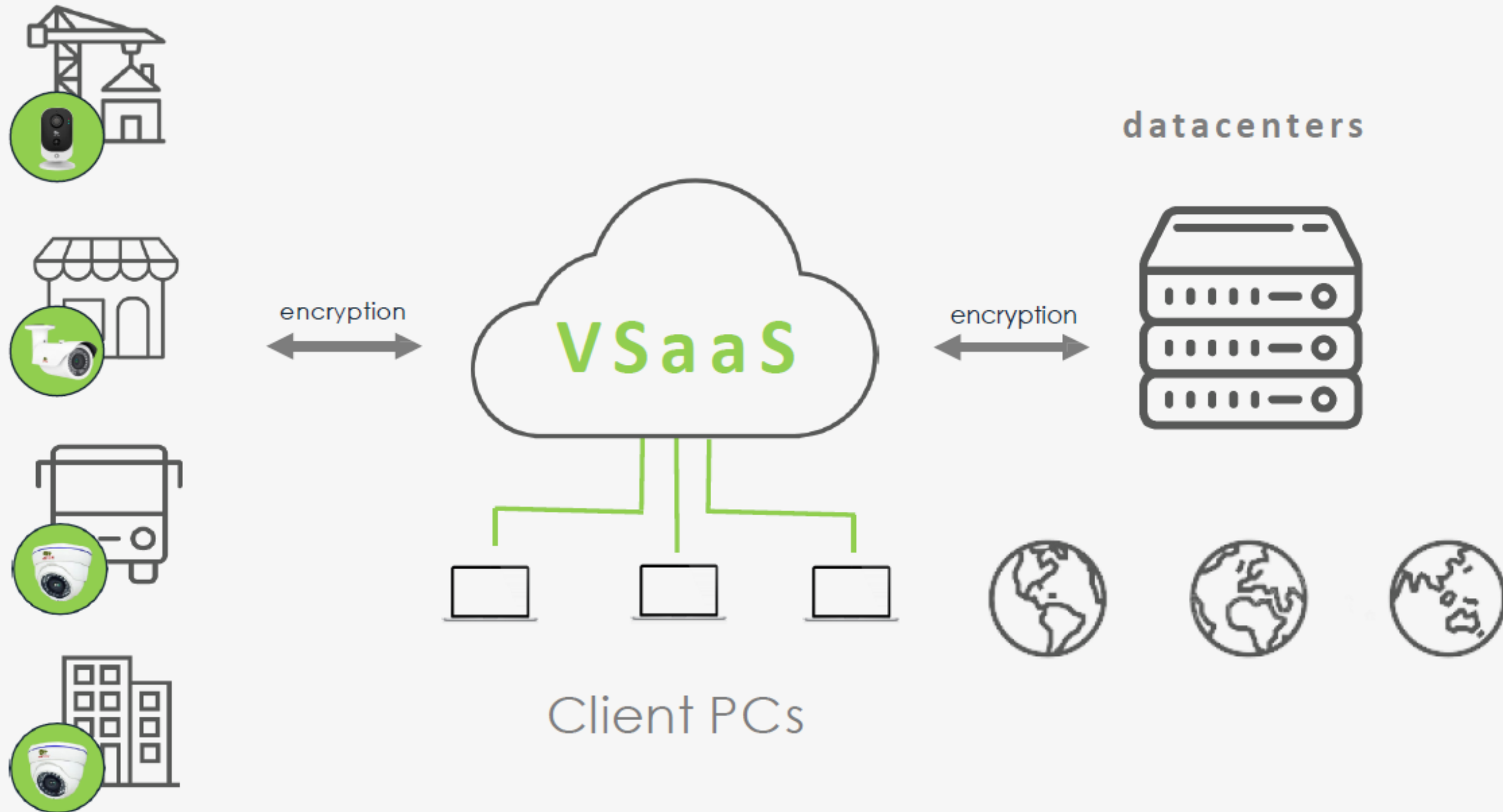
Truly cross-platform



ONVIF and RTSP



# Cloud system architecture



# Camera **connection**



Direct cam-to-cloud integration



Cloud bridge or NVR



RTSP link with a Public Internet IP



RTSP link with dynamic DNS address



CLOUD DATACENTER

# Compatible cam-to-cloud



Firmwares for Dahua and Imou are available at:  
[vcloud.ai/downloads](http://vcloud.ai/downloads)

# All other brands compatible through bridge





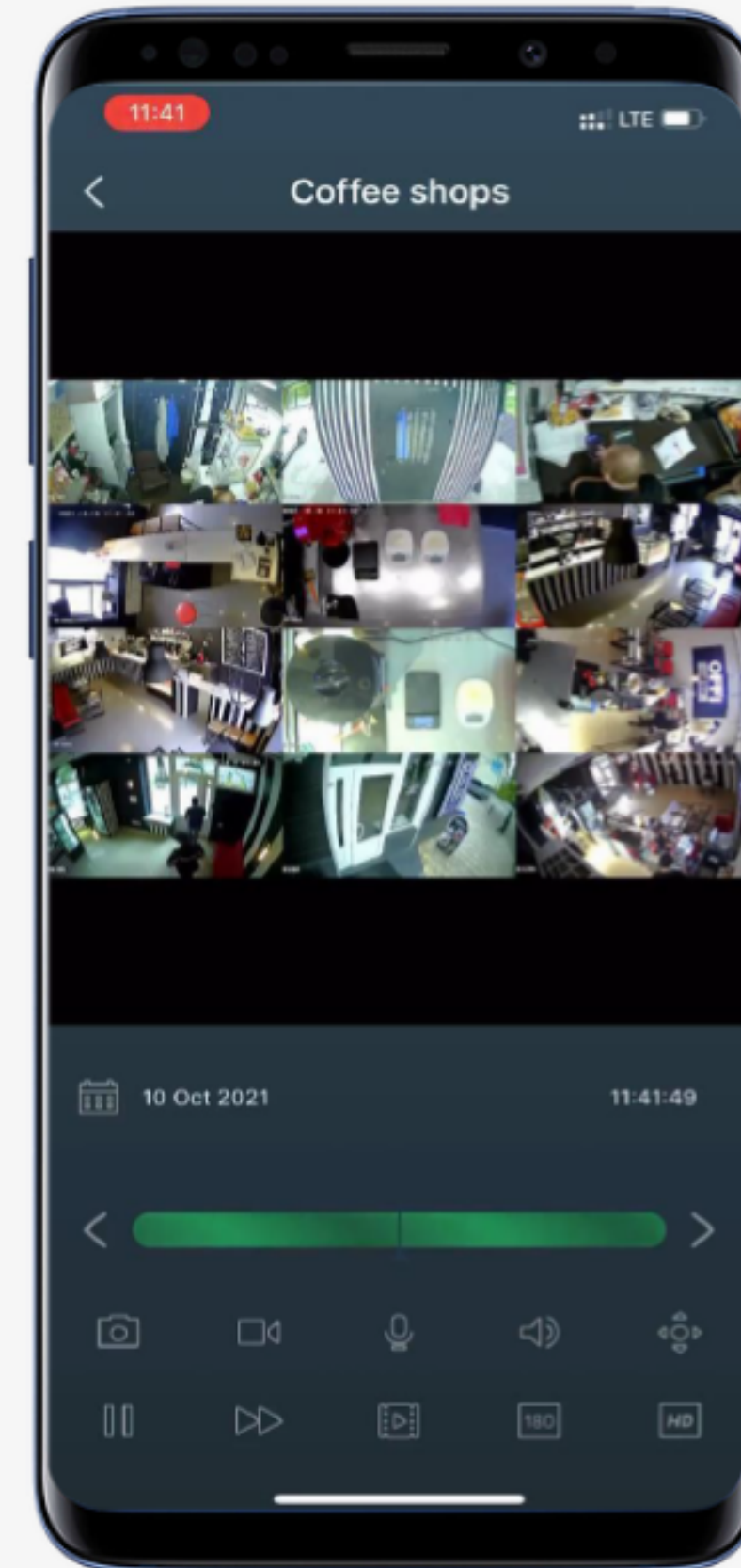
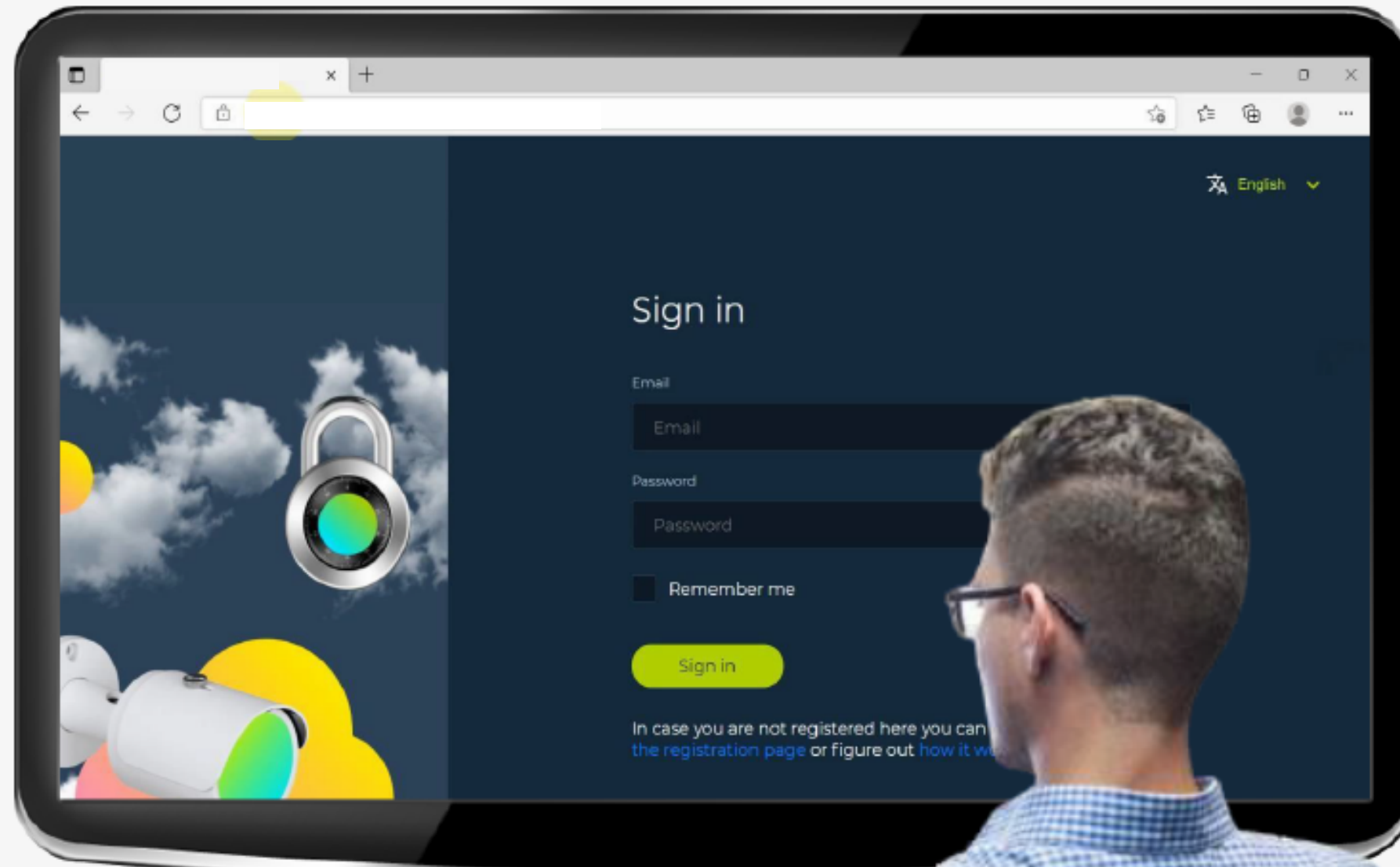
# Connection security



Use affordable bridge to connect any analog or IP cameras over an end-to-end encrypted connection.

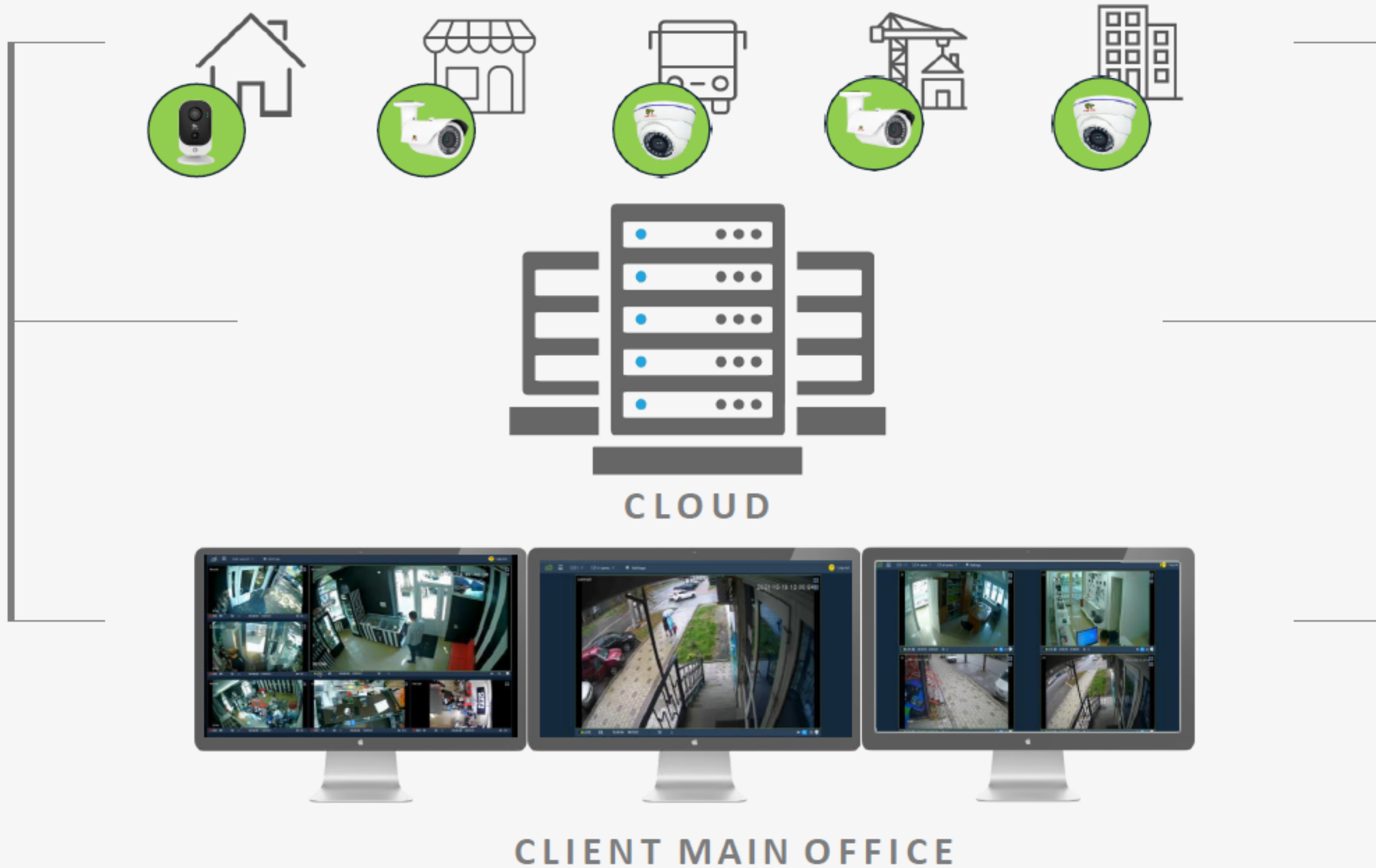


# Remote monitoring via mobile phone or web browser





# Centralized **monitoring**

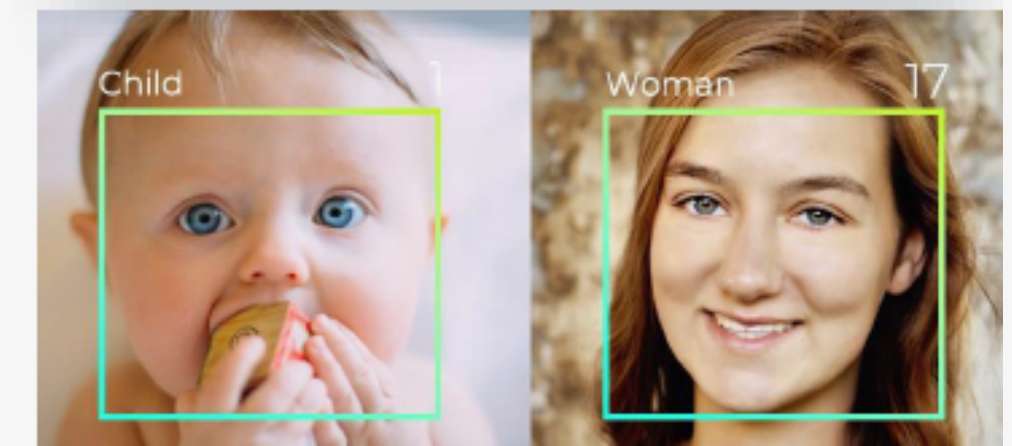




# AI

## Video Content Analysis (VCA)

- Works with any camera
- Cloud and On-premise
- Linux and Windows versions
- Uses CPU and GPU
- Multitenant user management
- Web-based UI
- 3rd party VMS integration
- Integration with Telegram
- Built-in reports





# Object detection



Creating rules to analyze different types of objects



Object count and checking the presence or absence of an object in a certain area



Instant notifications when an object detected in a defined area



HUMAN



ANIMAL



BICYCLE



MOTORCYCLE



CAR



BUS



TRUCK



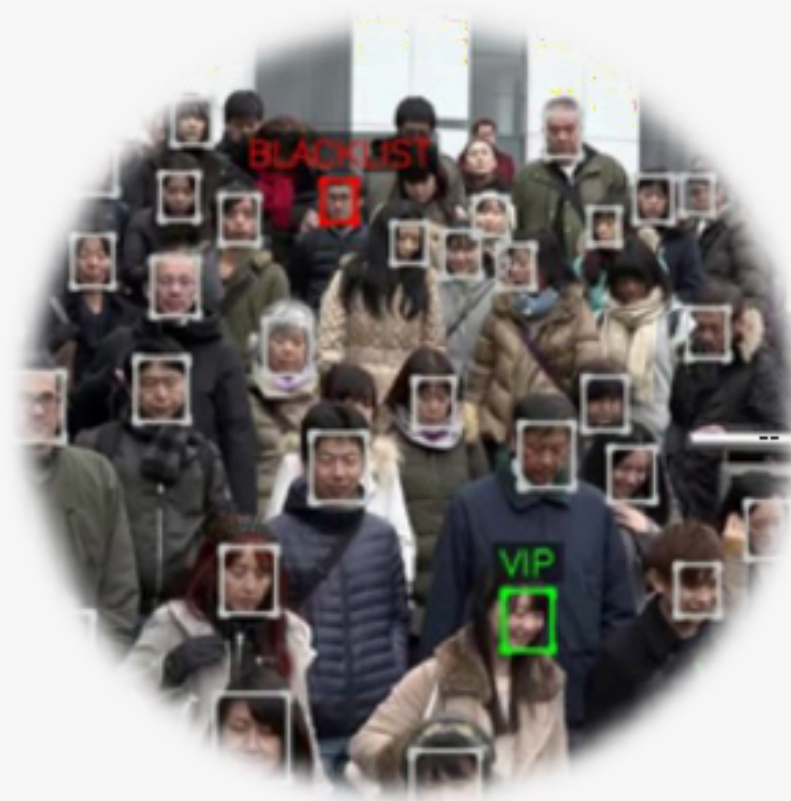
ABANDONED



# Face recognition



Age and gender estimation



Recognition even in crowded public areas



Comparison against the database of faces



Accuracy up to 98.35%



Unlimited lists ("wanted", "VIP", etc.)



Up to 0.1 seconds with a search base of 1 million people



Control of time and attendance



High-quality even with facial attributes



Reports

# License plate **recognition**



License plate recognition,  
identification of brand, model, color,  
route, and country of vehicle



Comparison to the vehicle  
search database



Gate automation



Accuracy up  
to 98%



60+ countries  
license plates  
support



Vehicle speeds of up  
to 250 km/h



Capture and  
recognition within  
8-30 milliseconds



Reports



# Smoking detection



Module detects a cigarette in the hand of a person



System generates instantly notification about the violation



Systematic violation reports being generated based on the notifications



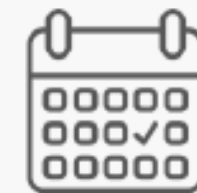
Safety control



Prohibited for smoking areas



Employees discipline control



Filtering events by camera and time

# Crowd detection



Unauthorized crowd control



Queue detection



People congestion prevention



Instant notification  
on crowd formation



Flexibility to set a minimum  
number of people



Crowd detection  
inside or outside



Suits well for  
safe city projects



# Traffic analytics



People counting



Vehicle counting



Statistical representation data



Visitor count at shopping mall



Measures the load on points of client service



Potential store location analysis



City car traffic intensity monitoring



# Hard hat analytics



Improves the level of safety



Identifies person without protective hard hat



Helps to control the discipline



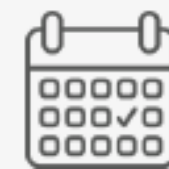
Wide database of examples of various hard hats



Compliance monitoring with safety rules

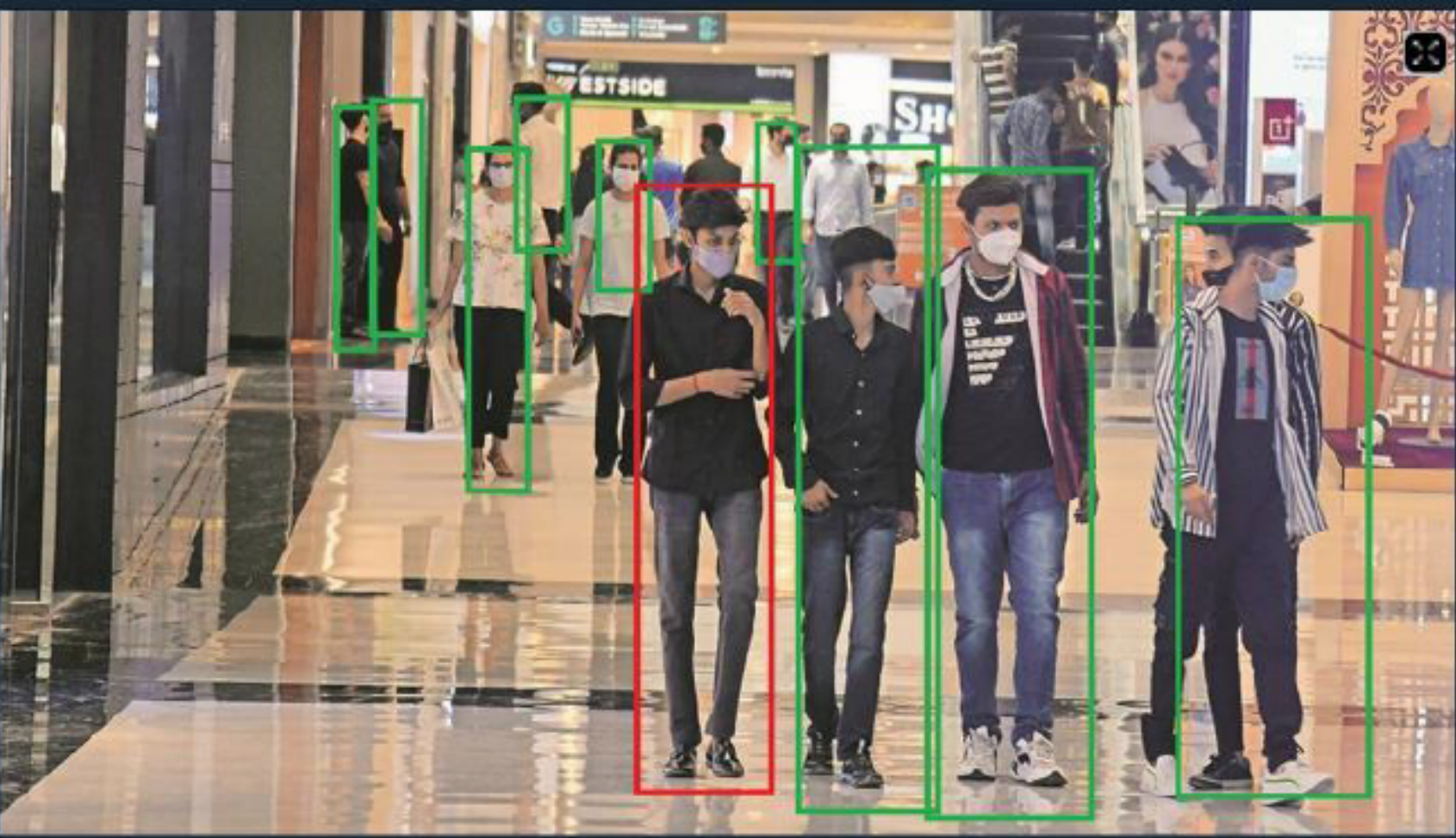



Instant identification of a person without a hard hat



Filtering events by camera and time

# People smart search



Tracking on Map 

15-02-2022 15:06:15

Age	Teen
Bag	No
Bottom	Darkblue
Bottom Clothes	Pants
Bottom Length	Long
Gender	Male
Hair length	Short
Hat	No
Top	Black
Top Length	Short



Improves incident  
response time



Enhance forensic  
investigations



Searching by attributes  
and people similarity



Can use combination  
of different criteria



## Other analytics **available**



Smart motion  
detection



Heat maps



Smart  
parking



Age and gender  
estimation



Smoke & fire  
detection



Pose  
detection



**ROBO REALM**

Didactic Solutions in  
London and UK  
Experience the highest  
quality products and  
services

## Opening Hours

Monday-Friday: 9am-6pm

Saturday: 8am-1pm

Sunday: Closed



## Get In Touch

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