

# VAST Security Station

A Quick-to-set-up A.I. Surveillance System





**VSS is a A.I. Surveillance System.  
It grasps every person's and  
vehicle's movement, from detection  
to investigation, with VIVOTEK's  
intelligent analysis.**

Improving monitor efficiency. It's no longer about checking every recordings minute by minute. VIVOTEK VSS brings A.I. detection and efficient search methods. Saving you time and money.





 **VSS** is quick-to-set-up



A man with dark hair and glasses, wearing a light blue button-down shirt and a lanyard, is standing in a server room. He is holding a silver laptop and looking at the screen. The background shows rows of server racks with glowing lights. The overall lighting is dim and blue-toned.

**Search and Connect,  
with Ease**



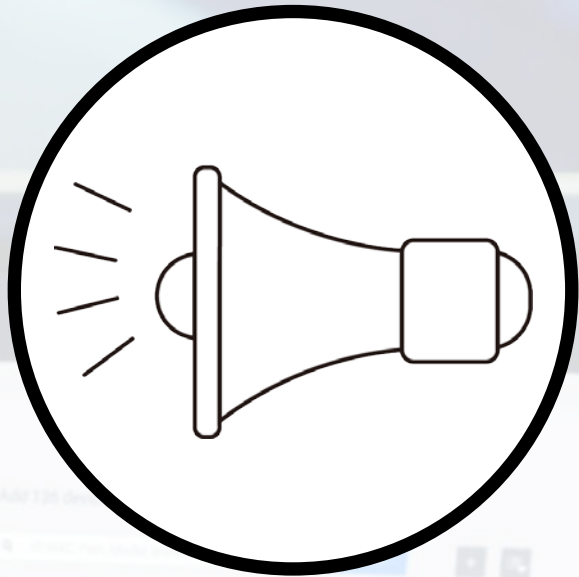
# Do More, with Less



Painless to setup  
cameras



Monitor  
Multi-sites



On-the-spot  
broadcast

VSS is compatible with a wide range of hardware, making it easy and simple to go from zero to one.



 **VSS** is an A.I. Surveillance System.



# Platform for All AI Imaginable

Smart VCA | LPR | Facial Recognition





# 3-Pillars of A.I. Recognition



## Smart VCA

Smart VCA supports up to 8 types of professional image analysis, all of which provide the ability to detect people and objects with high accuracy, and connect back to the VSS CMS to trigger alarms, effectively reducing manpower and providing more accurate and safe monitoring measures.



## Facial Recognition

Real-time face detection and recognition performed by cameras and tablets. Users can monitor and manage face recognition results through VSS to achieve a more secure and complete monitoring system.



## License Plate Recognition

LPR cameras can capture license plate numbers at different speeds, provide VSS license plate data and effectively simplify the management of license plate recognition cameras.



Prevent → Happen

**Precaution**

**Retrospect**



**A.I. analytics**

Detected by A.I.

**A better way to search.**

Deep Search brings convenience with efficiency





# Efficient Investigation with Deep Search

Attribute Search | Scene Search | Re-Search

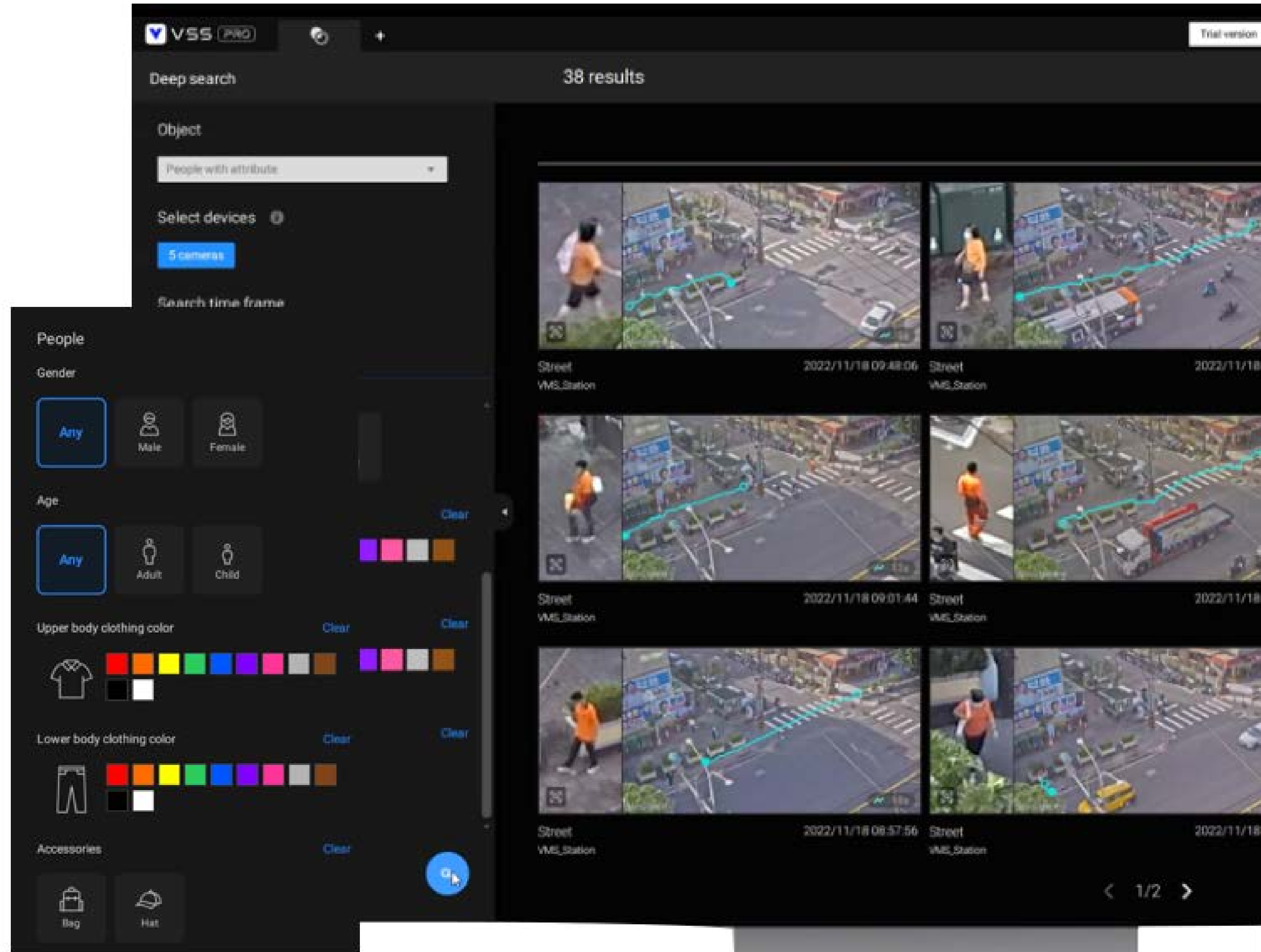


# Find by appearance

 Gender & Age

 Clothing Color

 Accessories



The screenshot displays the VSS PRO interface for a video search. The top bar shows 'VSS PRO' and '38 results'. The search criteria are set to 'Object' with the filter 'People with attribute'. Under 'Select devices', 5 cameras are selected. The search time frame is visible. The main area shows a grid of video frames with a person in an orange shirt highlighted by a red bounding box and a red path. The interface includes a sidebar for filtering by appearance attributes:

- People**
  - Gender: Any (selected), Male, Female
  - Age: Any (selected), Adult, Child
- Upper body clothing color**: A color palette with 'Clear' buttons.
- Lower body clothing color**: A color palette with 'Clear' buttons.
- Accessories**: Bag, Hat

At the bottom right, there is a navigation bar with a magnifying glass icon and a page indicator '1/2'.



# Find by its appearance

 Vehicle Type

 Vehicle Color

Vehicle


Vehicle type

Any  Car  Truck  Bus

Motorcycle  Bike

Color Clear

Red  Orange  Yellow  Green  Blue  Purple  Pink  Grey  Brown  White  Black




VSS PRO

Deep search

125 results

Object

Vehicle with attribute

Select devices 

5 cameras

Search time frame

Last 12 hours

Street WMS\_Station 2022/11/18 10:12:43


Street WMS\_Station 2022/11/18 10:12:15

Street WMS\_Station 2022/11/18 10:08:21

Street WMS\_Station 2022/11/18 10:08:21

Street WMS\_Station 2022/11/18 10:08:21

Street WMS\_Station 2022/11/18 10:08:21

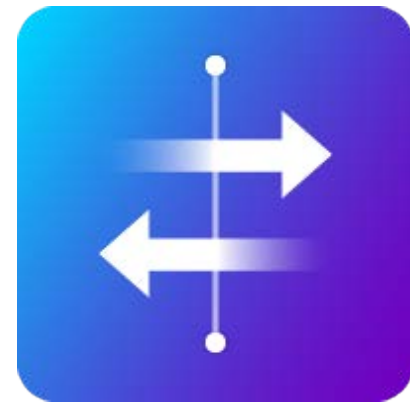
 1/6



# Find by its behavior



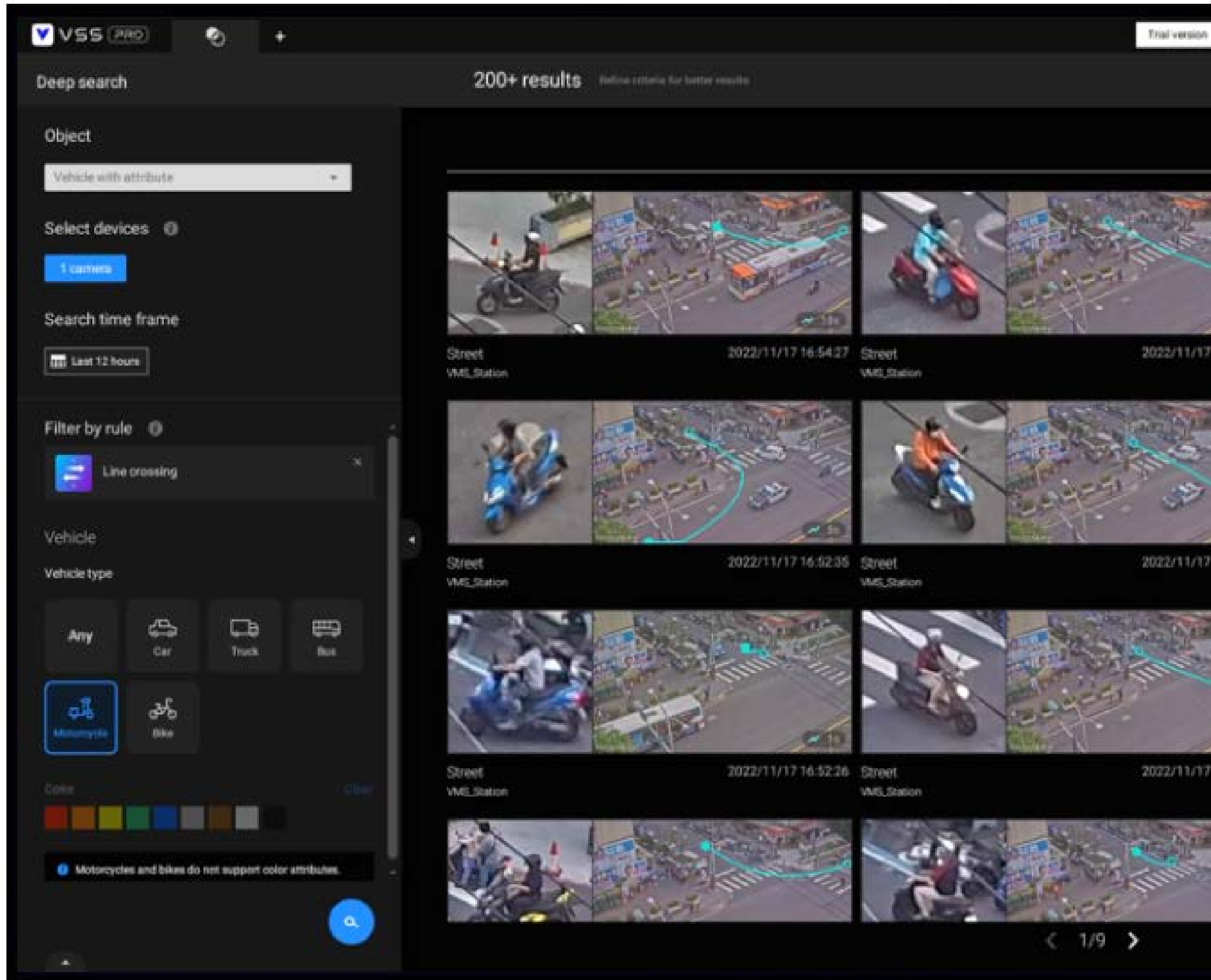
Intrusion



Line  
Crossing



Loitering



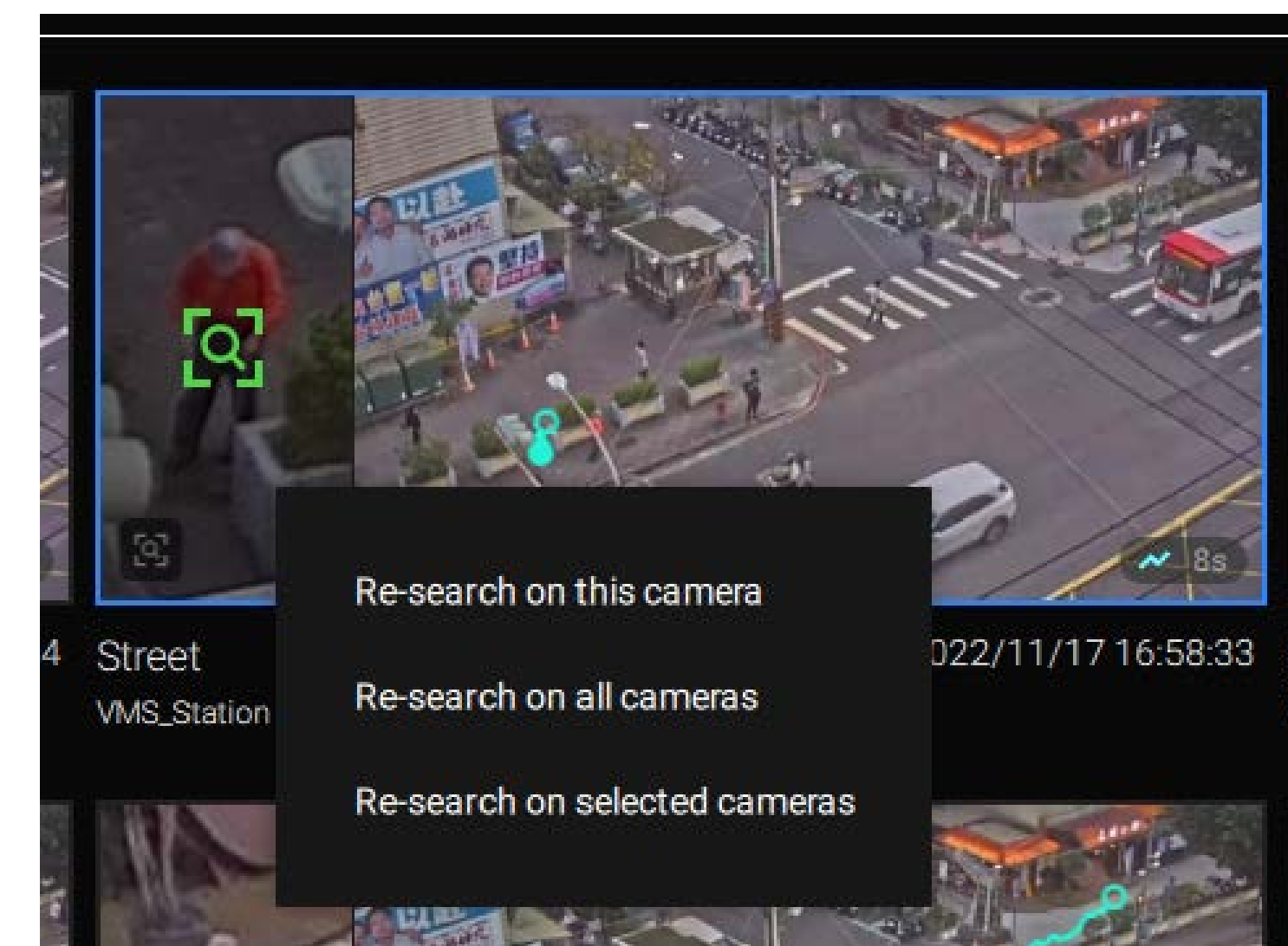
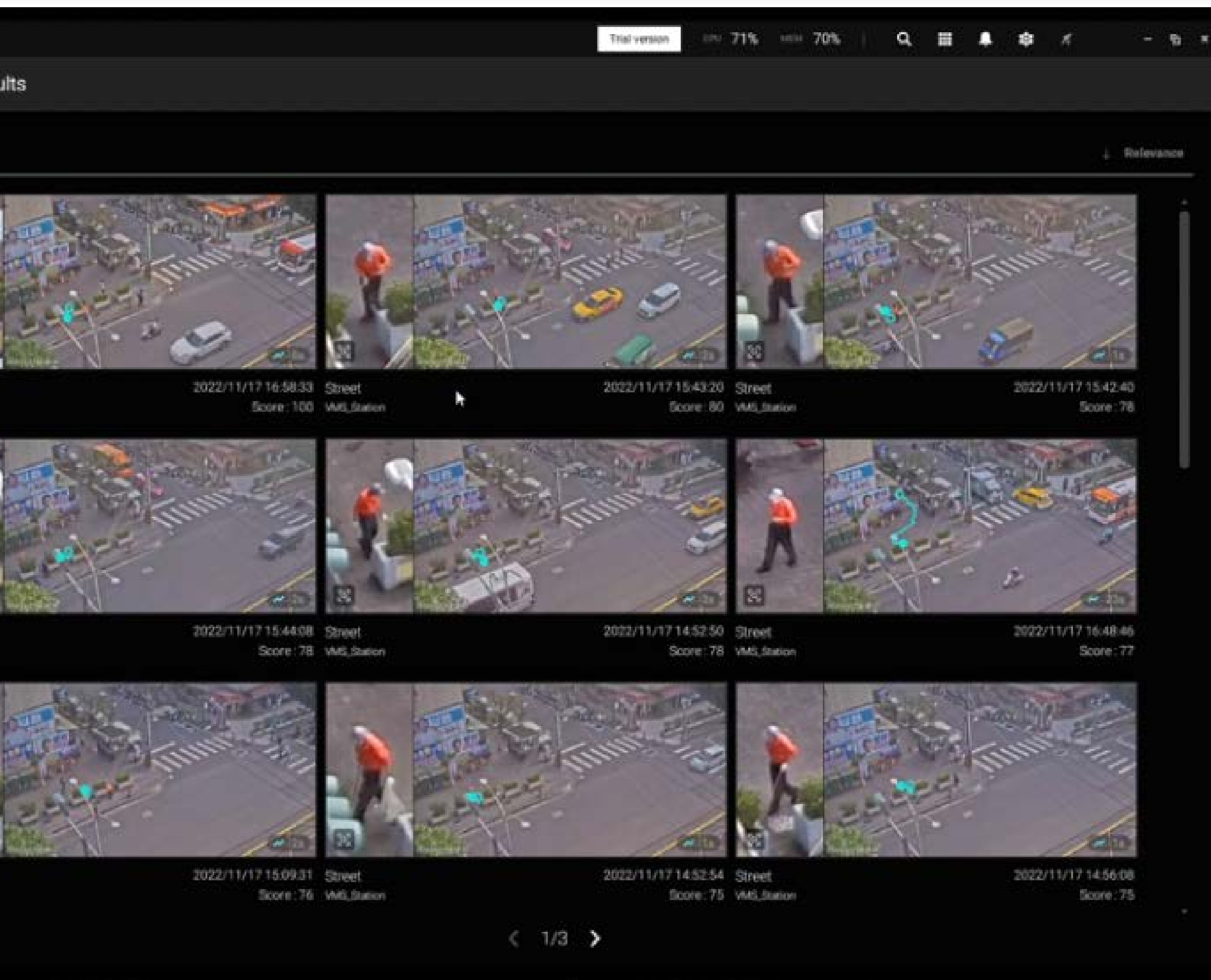
The screenshot shows the VSS (PRO) interface with the following elements:

- Header:** VSS (PRO) logo, a refresh icon, a plus icon, and a "Trial version" badge.
- Search Summary:** "Deep search" and "200+ results" with a link to "define criteria for better results".
- Filters:**
  - Object:** A dropdown menu set to "Vehicle with attribute".
  - Select devices:** A button labeled "1 camera".
  - Search time frame:** A button labeled "Last 12 hours".
  - Filter by rule:** A button labeled "Line crossing" with a corresponding icon.
  - Vehicle type:** Buttons for "Any", "Car", "Truck", "Bus", "Motorcycle", and "Bike". The "Motorcycle" button is selected.
  - Color:** A color selection bar with a "Clear" button.
  - Message:** "Motorcycles and bikes do not support color attributes."
- Results:** A grid of 12 video thumbnails showing motorcycles at a street intersection. Each thumbnail includes a timestamp (e.g., "2022/11/17 16:54:27") and the location "Street VML\_Station".
- Navigation:** A search icon at the bottom right and a pagination indicator "1/9" at the bottom right.



# Find person by **location**

Search through all camera  
by their similar appearance.





# Prevent → Happen

## Precaution

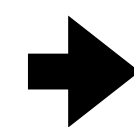
 **A.I. analytics**

Detected by A.I.  
intelligence

## Retrospect

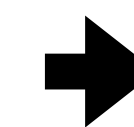
 **Attribute Search**

Find objects by  
its appearance



 **Scene Search**

Find objects by  
its behavior



 **Re-Search**

Search through all  
camera by similar  
object appearance

Deep Search convenience, with efficiency





is a quick-to-set-up A.I. surveillance system.

at the same time

**Protect your data**



A perspective view of a server room aisle. The aisle is formed by two rows of server racks that recede into the distance. Each rack is illuminated with numerous small, glowing blue lights, creating a strong blue color cast throughout the scene. At the far end of the aisle, a bright, white light source creates a lens flare effect, illuminating the floor and the racks. The sky above the racks is a soft, hazy blue and orange, suggesting a sunset or sunrise. The overall atmosphere is futuristic and high-tech.

# DATA SHIELD



# Encrypt stream and files



**VSS encrypts the entire transmission process with TLS encryption.**



# Ensure image authenticity



VSS digital watermark helps you verify every frame



# Multiple protections against cyber attacks



Trend Micro



Trend Micro



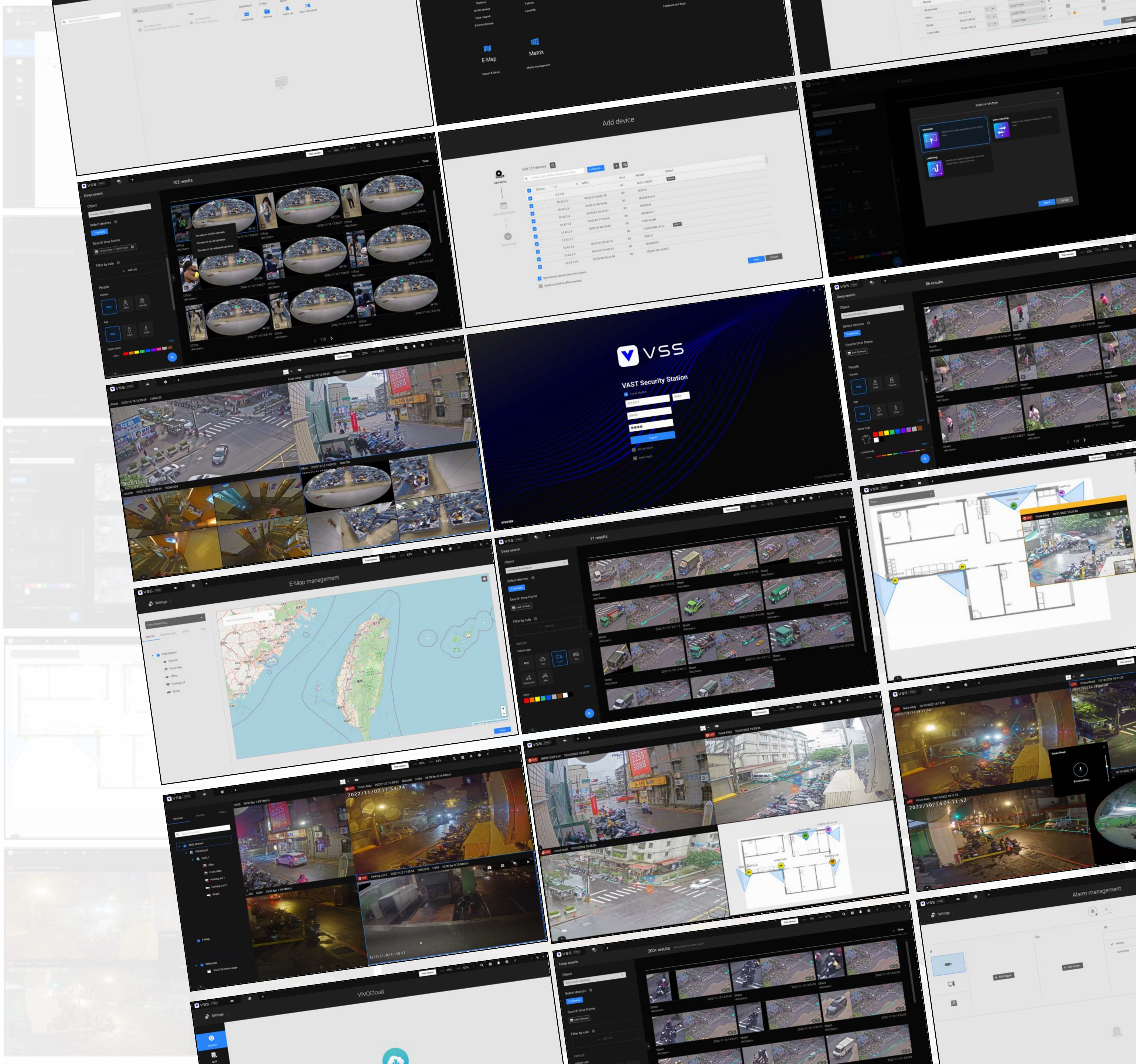
Instantly receive cyber attack alert notifications on VSS.



 **VSS** is value for the money.



**Value,  
for money,  
for all**



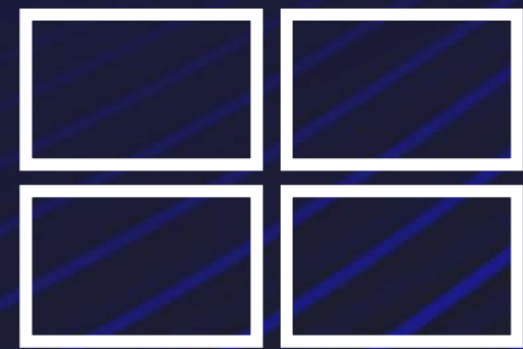


# Complete Features



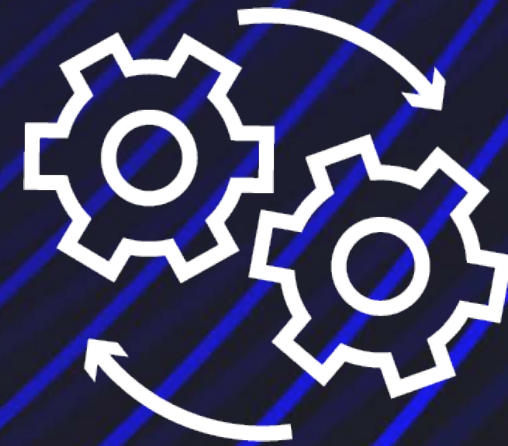
## E-map

E-map



## Extended TV Wall

Matrix\*



## 3<sup>rd</sup> party systems integration

Data Magnet  
TCP Message



## GPS location tracking

GIS/GPS\*



## Failover

CMS\*  
Substation\*

All features are available at no extra cost

\* Only supported in Pro version



# Ideal for all scales



## VSS Lite

Great for basic single-site monitoring with less than 32 cameras.

## VSS Standard

Great value for SMB multi-site monitoring with supports up to 128 cameras.

## VSS Pro

Great choice for large-scale sites. It centralize the monitoring up to 20-thousand-plus cameras.

### Basic Functions

(Live View, Recording, Playback)

### Alarm notifications

### Deep Search

### Emap

### Data Magnet

### TCP Message

### GIS/GPS

### Failover

### Matrix

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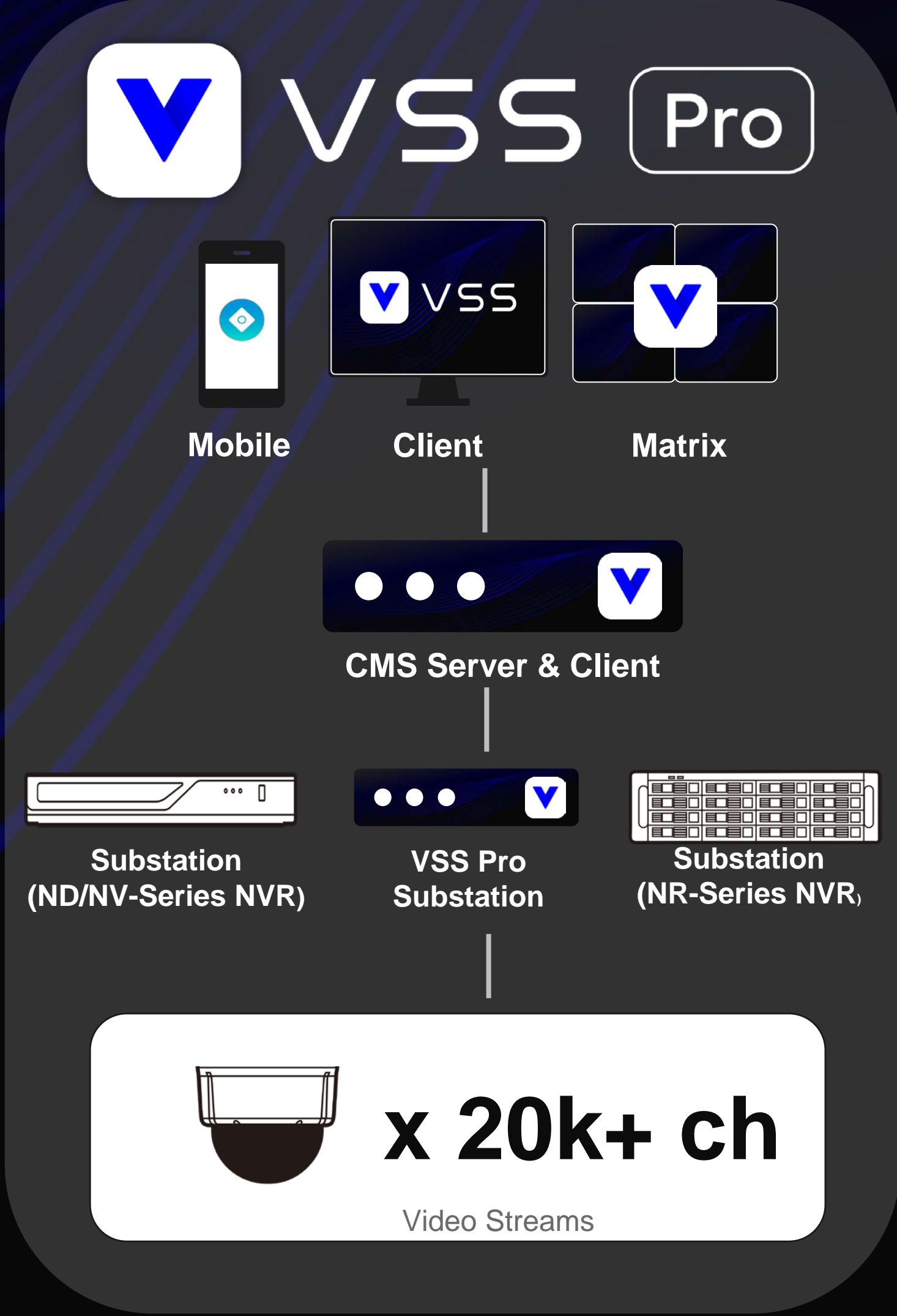
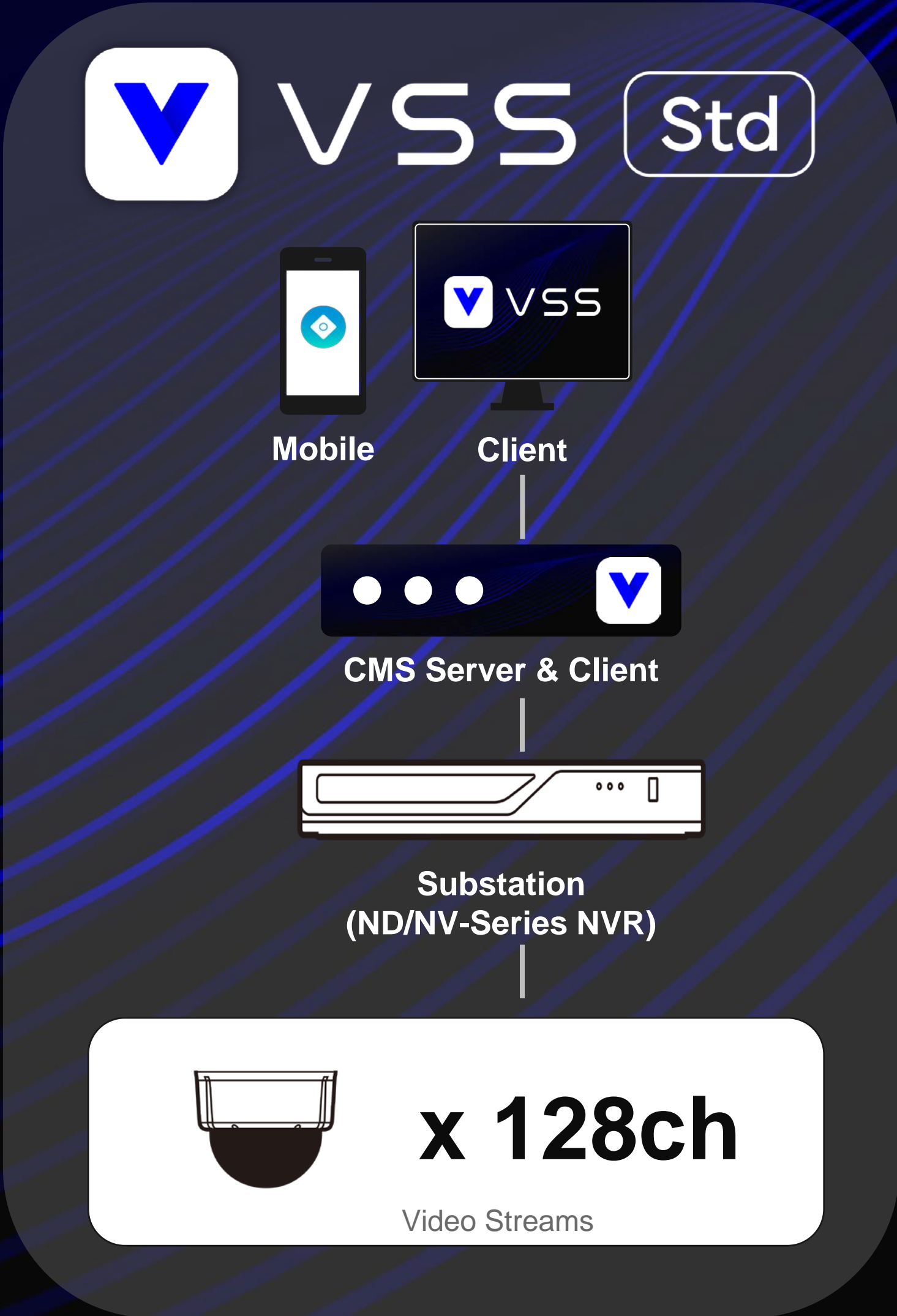
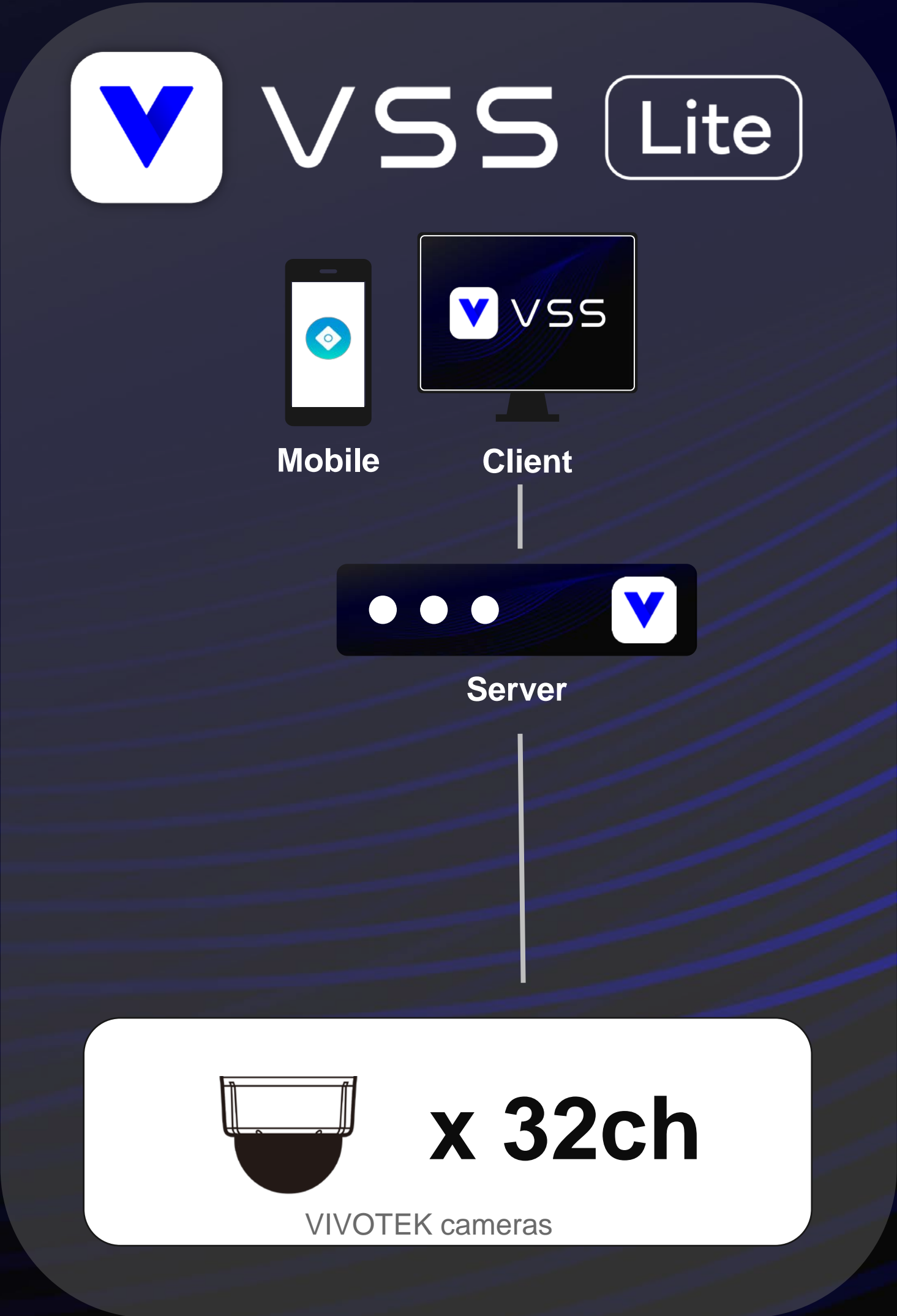
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\*Only Supports attribute search, Scene search, not support with Re-search



# 3 VSS Editions





# Pay by channels



**Free**



**USD \$50**  
per ch



**USD \$100**  
per ch

**No hassle decision making**

For further information, please contact your VIVOTEK Sales Representative



VCA   



**A.I. Platform**



**VAST Security Station**



 **Deep Search**

Attribute  
Scene  
Re-Search

**20k+**



**Monitor Substations**



**Broadcast**





**Encryption**



**Recorded file Encrypted**

**Digital Watermark**







All editions are available  
**NOW**

[www.vivotek.com/vast-security-station](http://www.vivotek.com/vast-security-station)

**VIVOTEK**  
A Delta Group Company



**In 2023**

From  
**March 8<sup>th</sup> to August 31**



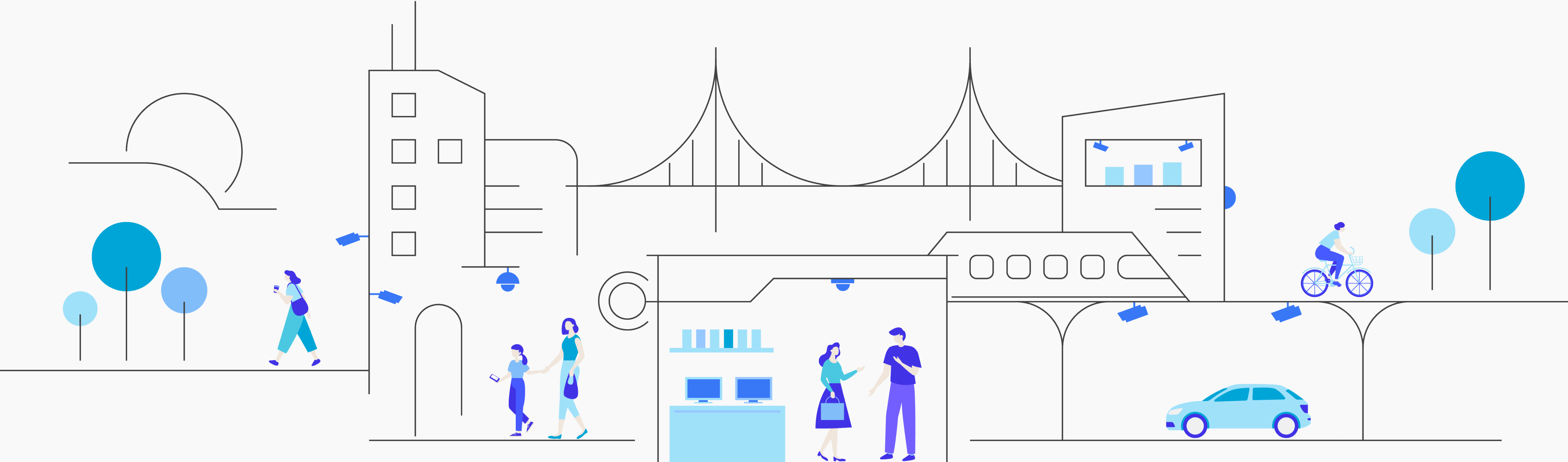
VAST2 Paid Users  
**Migrate to**  
**VSS** **PRO**







# Thank You for Your Attention.



**VIVOTEK**  
A Delta Group Company

**We Get The Picture**



# Thank You for Your Attention.

