

BEHAVIORAL UNDERSTANDING SYSTEMS FOR REAL-TIME VIDEO INTELLIGENCE

URBAN-MOBILITY SOLUTION DECK 2020



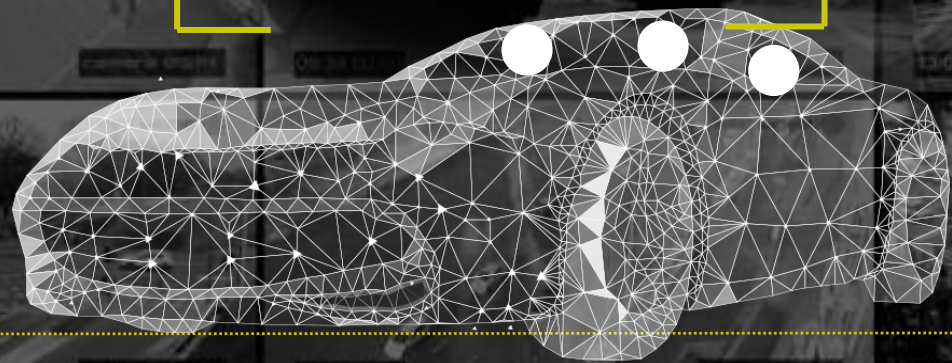
viisights

Intelligence by vision

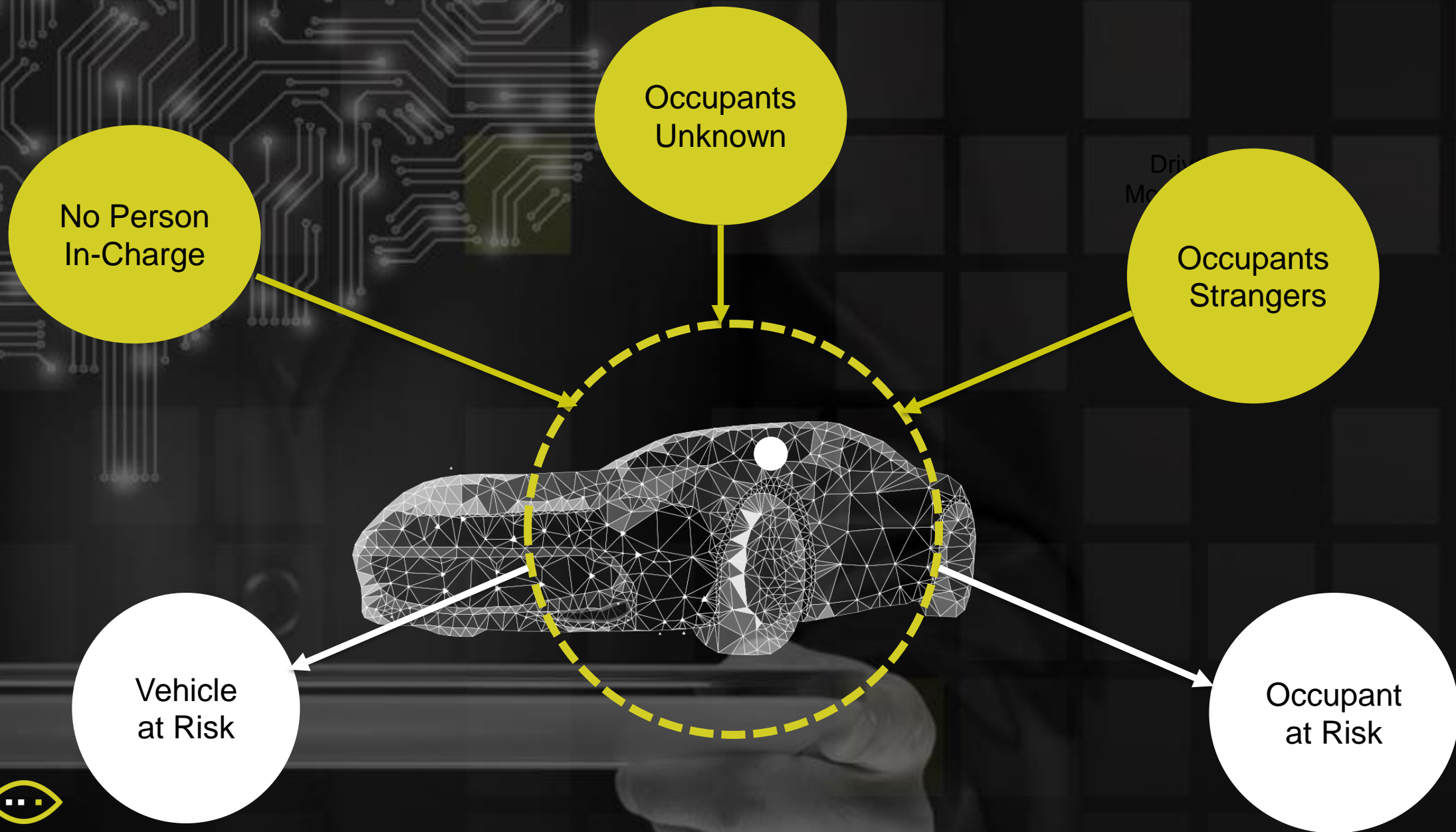
viisights confidential & proprietary information

URBAN MOBILITY CHALLENGES

PUBLIC SAFETY AND SHARED-MOBILITY



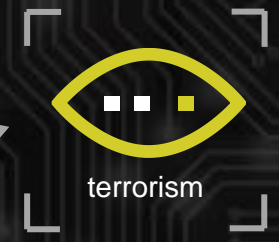
SHARED MOBILITY SAFETY CHALLENGES



PUBLIC SAFETY CHALLENGES



hazards



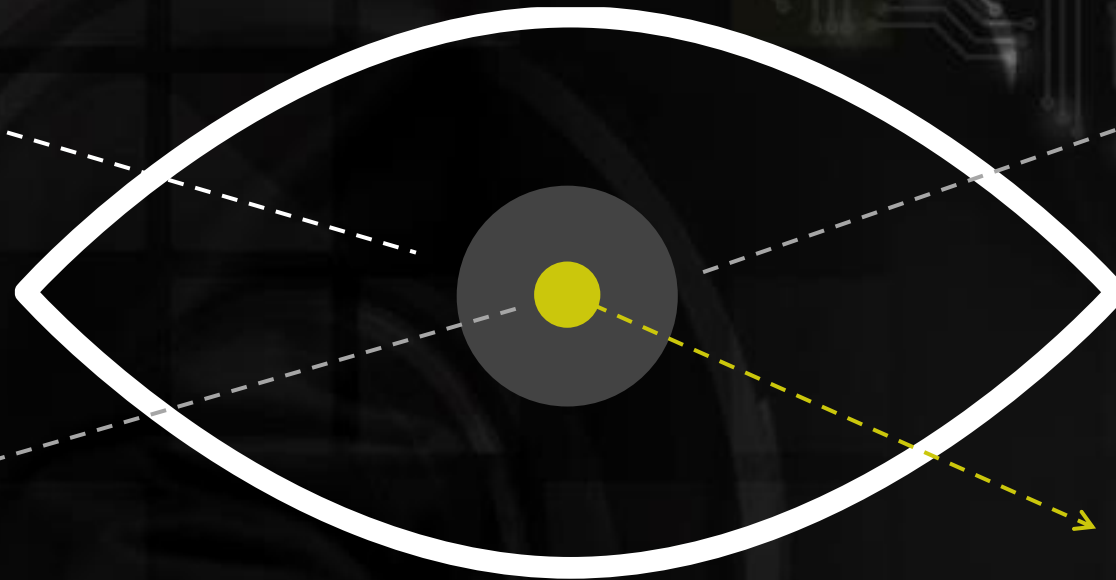
terrorism



accidents

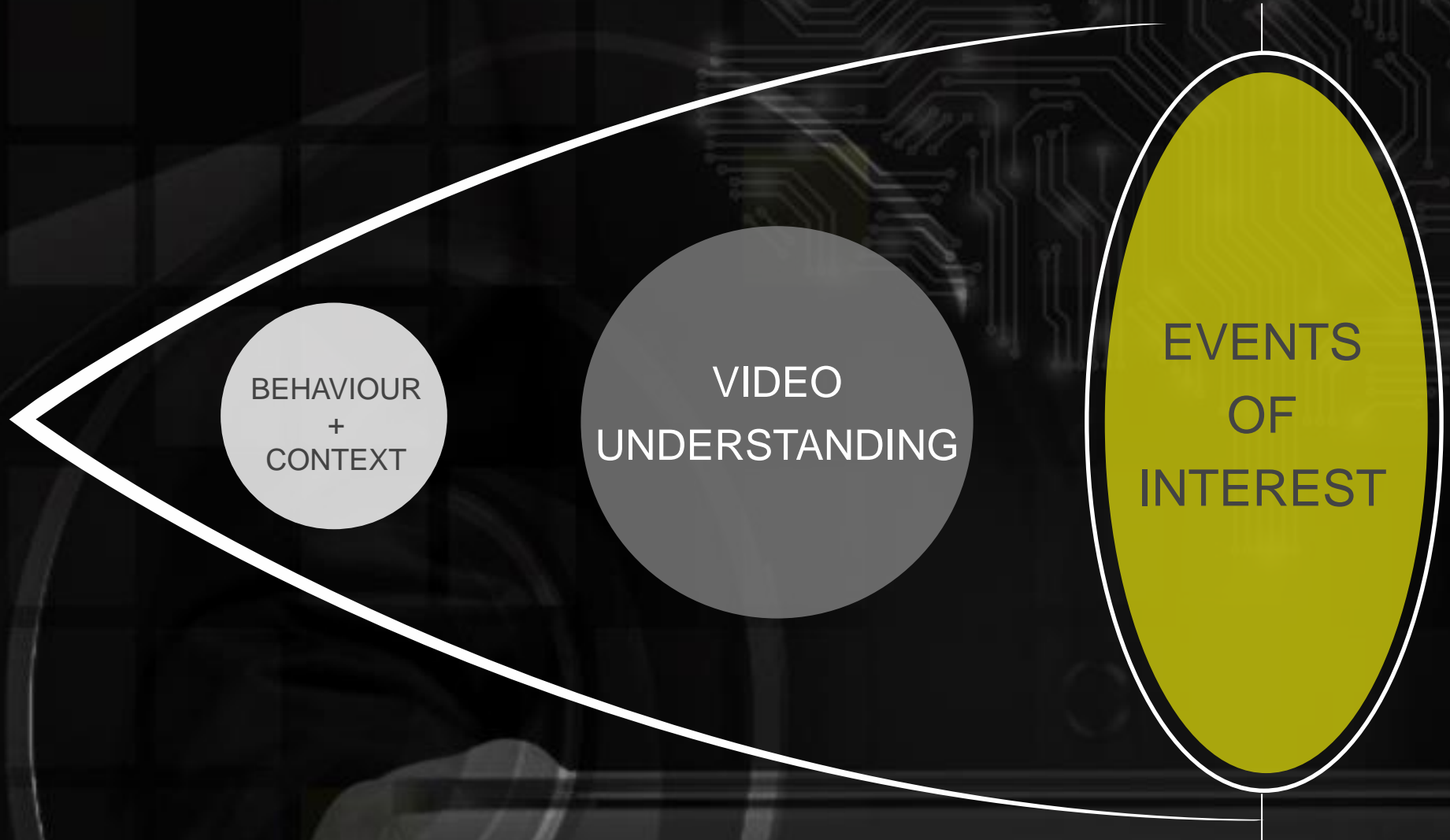
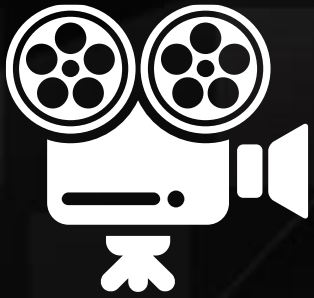


crime



viisights

VIDEO UNDERSTANDING TECHNOLOGY
TRANSFORMS VIDEO INTO
ACTIONABLE INSIGHTS



BEHAVIOUR
+
CONTEXT

VIDEO
UNDERSTANDING

EVENTS
OF
INTEREST

TECHNOLOGY

VIISIGHTS AT A GLANCE

BUSINESS



Patented*
Video Understanding
Technology



Cognitive
Computing



Holistic Video
Analytics



Near Real-time
Alerting



viisights
Intelligence by vision



Security & Safety
Surveillance Intelligence



Safe & Smart City
Safe & Smart Enterprise



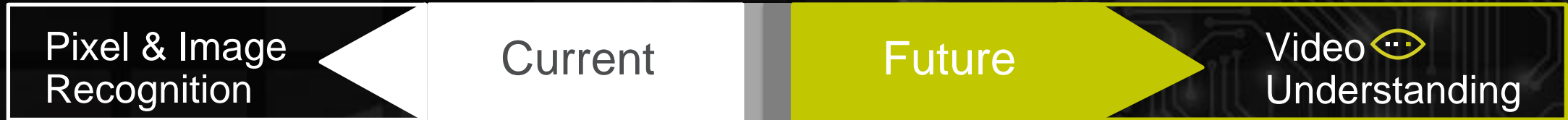
Transportation Hubs
Critical Infrastructure



In-Vehicle Monitoring
for Share-Mobility and
Autonomous Vehicles
(roadmap)



VIDEO UNDERSTANDING REVOLUTION



- Static object classification



HUGGING?
FIGHTING?
FALLING?



- Scenes
 - Time based (temporal)
 - Top down (holistic)
- Events
- Actions
- Contextual Awareness

VALUE PROPOSITION



VIISIGHTS WISE

Target Customers: Safe & Smart City, Transportation Hubs, Traffic Control Centers

viisights wise provide automatic real-time understanding of video content captured by widespread surveillance. The system processes and understands large amounts of video streams in real-time or offline (investigative mode), while providing insights and alerts for a variety of actions, events and scenes of interest.

- ✓ Suspicious Activity
- ✓ Crowd Management
- ✓ Traffic Surveillance
- ✓ Safe Mobility

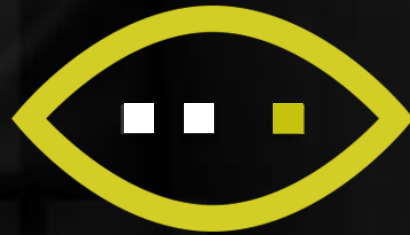


VIISIGHTS IN-VEHICLE EXPERIENCE

Target Customers: Automotive Tier1

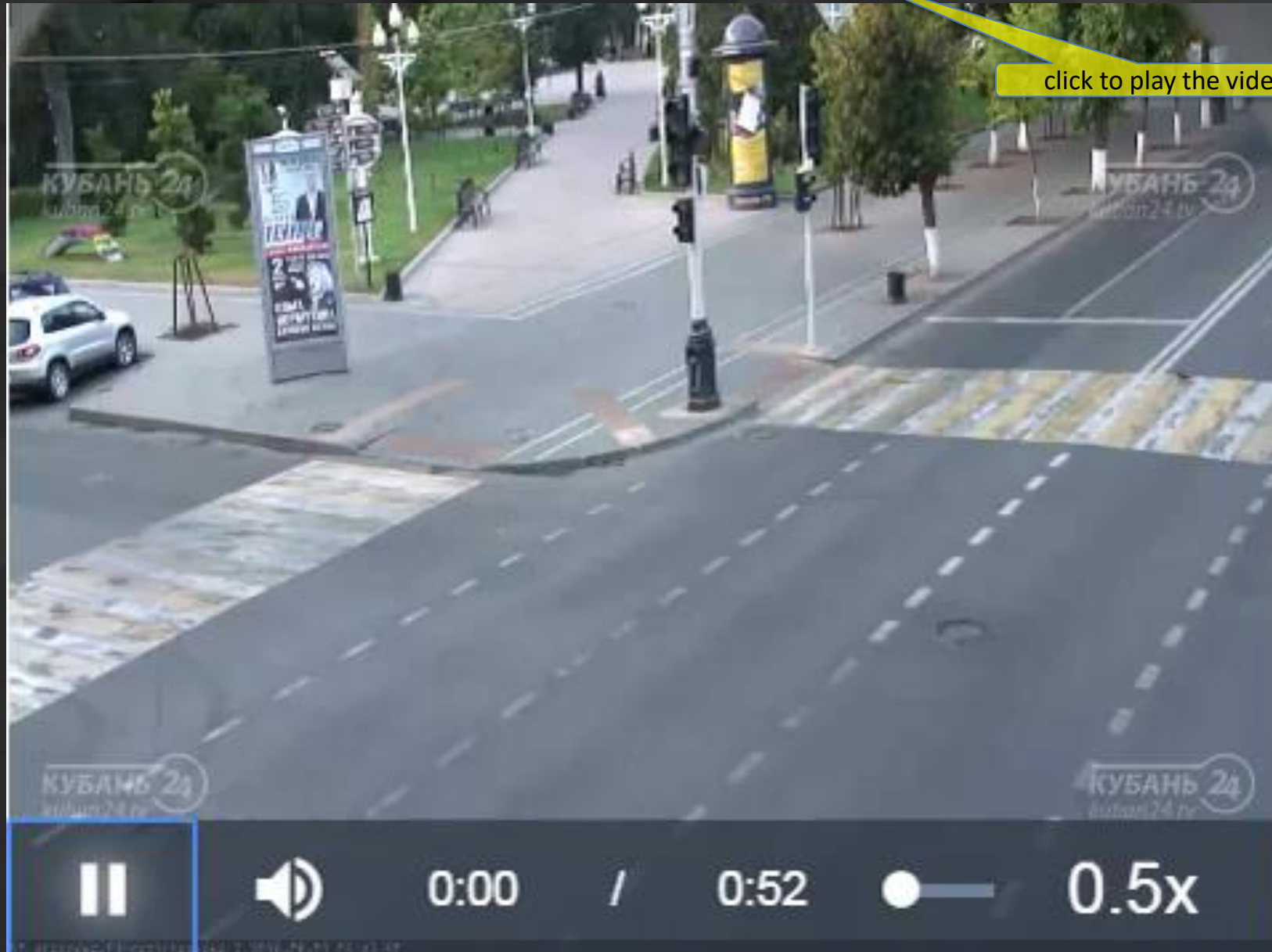
viisights' in-vehicle monitoring system utilizes viisights' ability to understand human behavior via live video streams that originate from an in-cabin camera(s). In many cases, the video stream will be used as the main signal, yet the system can use additional sensors and data to increase its accuracy.

- ✓ Occupants Security
- ✓ Occupants Safety
- ✓ Vehicle Protection



URBAN MOBILITY SECURITY & SAFETY USE-CASES

TRAFFIC SURVEILLANCE | VEHICLE ACCIDENT



click to play the video

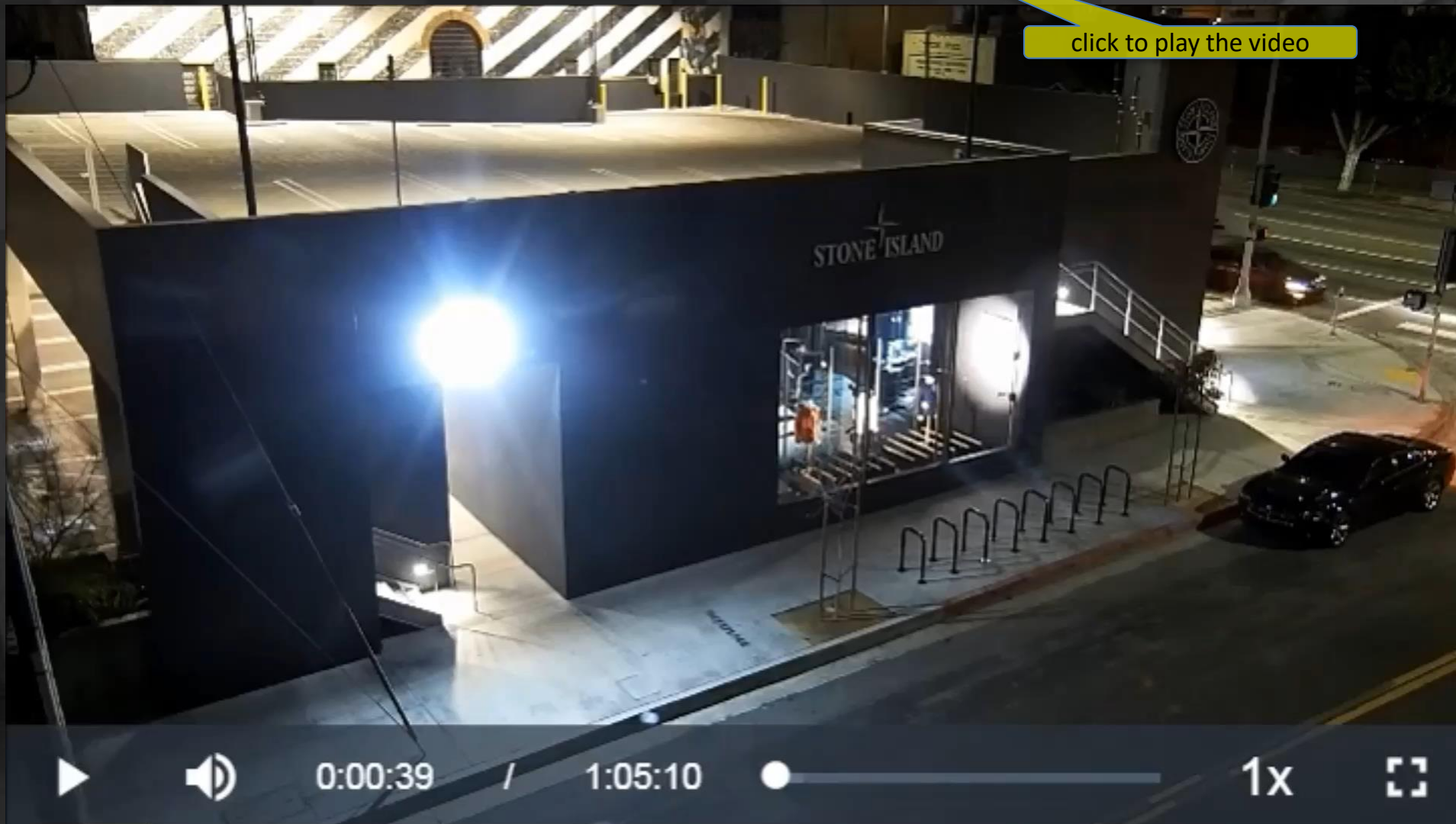
11

TRAFFIC SURVEILLANCE - SAFE MOBILITY



STREET SURVEILLANCE – SUSPICIOUS ACTIVITY

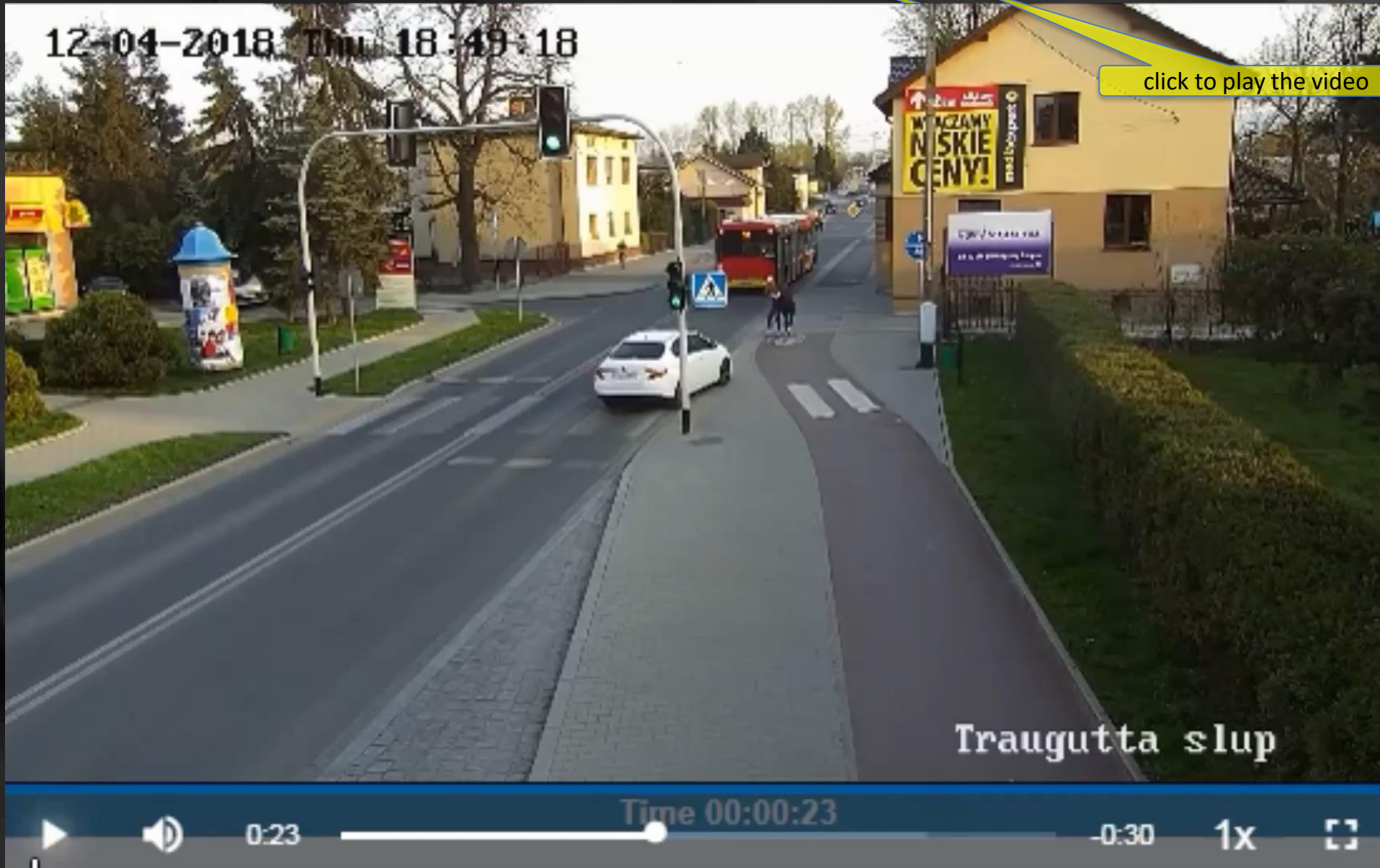
click to play the video



TRAFFIC SURVEILLANCE | NO PARKING ZONE



TRAFFIC SURVEILLANCE | VEHICLE DRIVE ON SIDEWALK



15

PUBLIC ZONE SURVEILLANCE | VIOLENCE RECOGNITION

click to play the video



Time 00:00:29

-1:00

1x

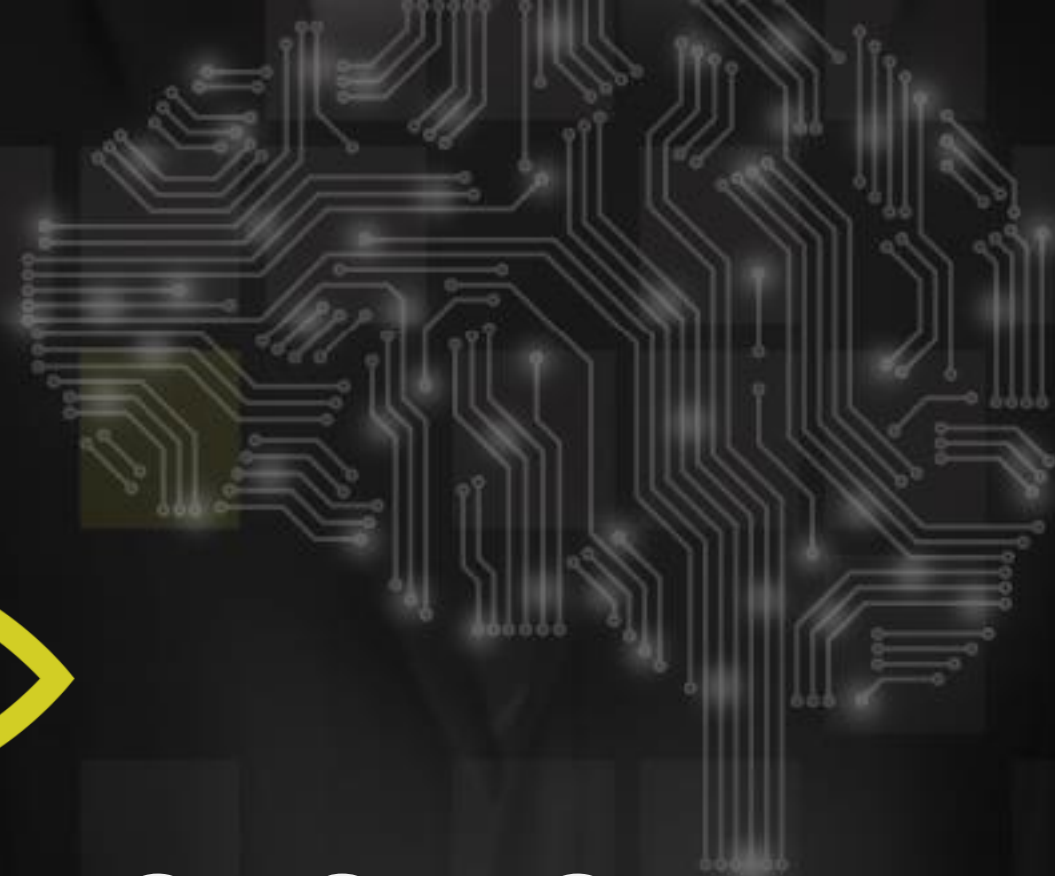


STREET SURVEILLANCE | SUSPICIOUS STREET ACTIVITY



click to open the video

Video player controls including a play/pause button, a volume icon, a progress bar showing 10:15, a time display of 00:10:14, a duration of -39:03, a 1x speed control, and a full screen icon.



SHARED & AUTONOMOUS MOBILITY USE-CASES



SECURITY | IN-VEHICLE TAXI MONITORING

click to play the video

Reading Metro Taxi

Icecream
abc NEWS APPS

▶ 🔊 0:00 / 1:02 ● 1x



SECURITY | IN-VEHICLE TAXI MONITORING #2

click to play the video

GARMIN 10/30/2015 08:09:10 PM N033.64097 W117.91983 000MPH

Time 00:00:38

0:38 -0:34 1x



SECURITY | IN-VEHICLE TRAIN MONITORING

click to play the video





SAFETY & PROPER-USE | IN-VEHICLE MONITORING #2

0141:PERSON_WITHOUT_SEATBELT

2018/05/17 14:21:37

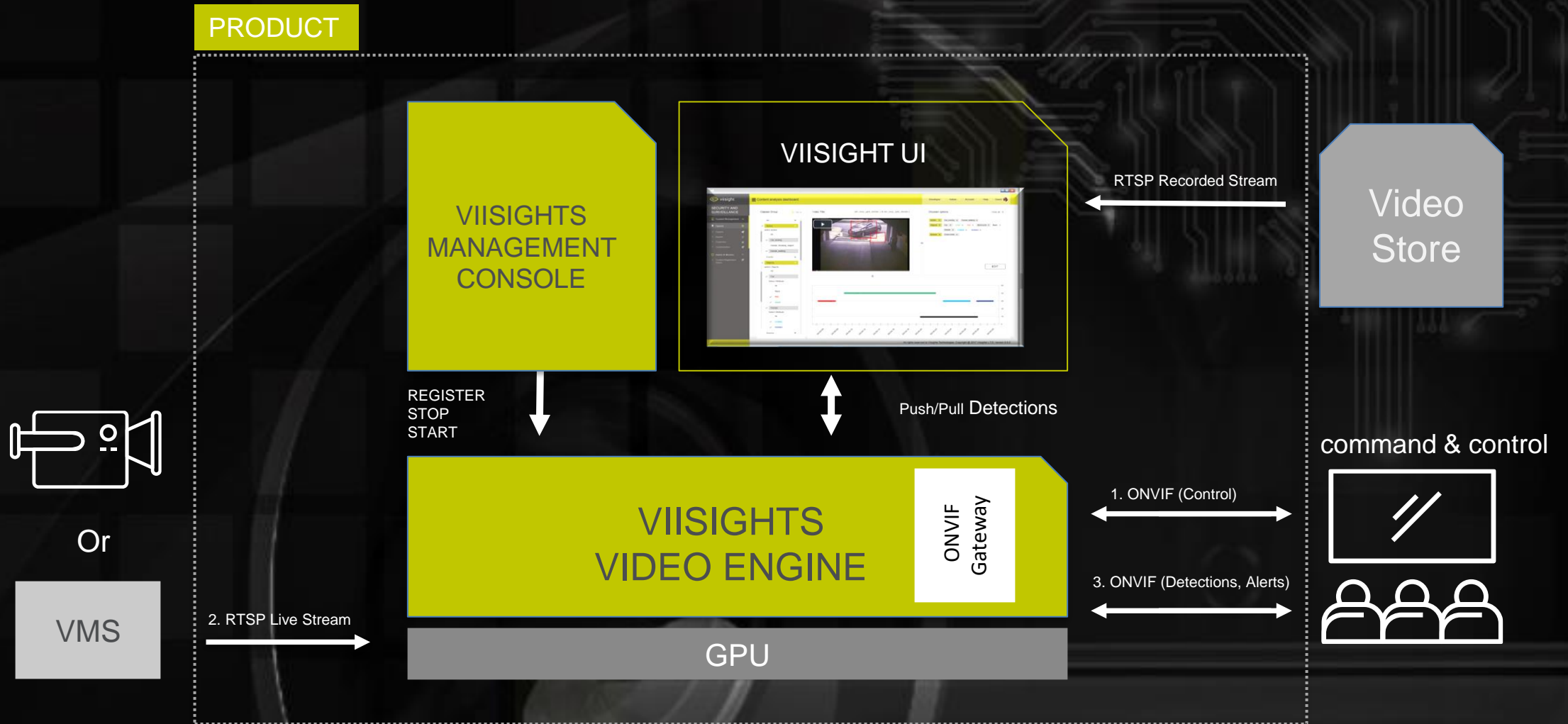
Time 00:00:12

-1:37 1x

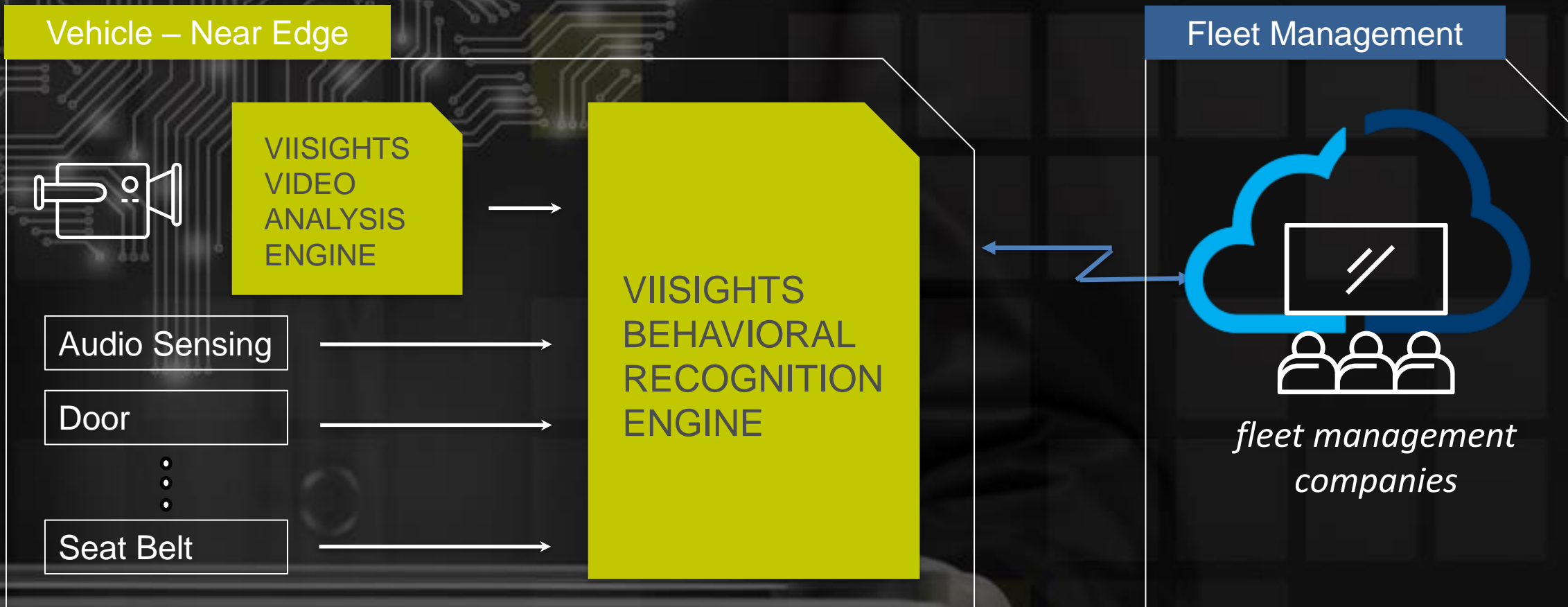
click to play the video



WISE BLACK-BOX ARCHITECTURE



IN-VEHICLE MONITORING BLACK-BOX ARCHITECTURE



PRODUCT VISION Autonomous video surveillance™

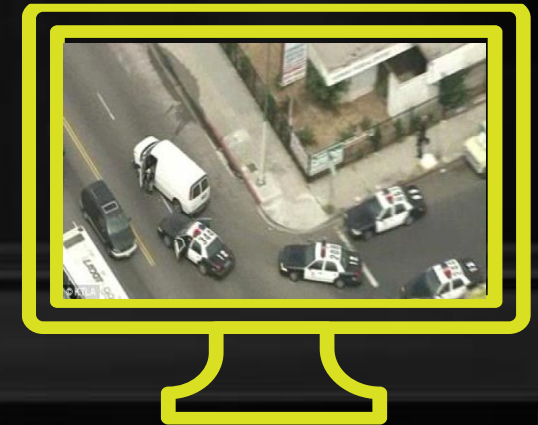


Yesterday
Image Recognition
Objects

Today
Video Understanding
Actions, Events & Scenes

roadmap
Fusion
Integration of Video Understanding data with multiple data sources (location data, face data bases etc.)

Future
Prediction
Recommend on actions to predicted situations of interest



The Gartner logo is displayed in white text on a blue gradient background.The text "Cool Vendor 2018" is displayed in white on a blue gradient background. A small "TM" trademark symbol is visible at the bottom right of the logo.

viisights Recognized as a Gartner Cool Vendor in AI for Computer Vision [\(Read More\)](#)

“Automated scene analysis used to generate real-time insight into human/object behavior is at the cutting edge of video analytics today”

Source: Gartner , [“Cool Vendors in AI for Computer Vision: Balance Business Risk and Reward”](#) , August 2018.

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WHY VIISIGHTS

- ✓ Innovative video analytics capabilities
- ✓ Proven patented and tested technology
- ✓ Product addresses the new “Video Imaging of Everything”
- ✓ Holistic approach to video growing needs
- ✓ We know how to do it successfully together
- ✓ We are Focused, United and Talented



QUESTIONS?

WHAT

WHY

WHEN

WHO

HOW



THANK YOU

for more information contact | sales@viisights.com