

A GLOBAL LEADER OF INNOVATIVE THERMAL IMAGING SAFETY SOLUTIONS

March 2021



VIPER



SHARP VISION



VIPER-R



The Challenges ADASKY is capable to solve- To Create a world without harsh weather and night related accidents

Dramatic increase in pedestrian deaths at night



- ◆ 67% increase in the last 10 years
- ◆ 75% of Pedestrian fatalities occur at night
- ◆ Last year- 6,590 Pedestrian deaths
- ◆ 22% of all accidents are weather related

Current ADAS/AEB Systems DO NOT work at night (& insufficient in daytime)



- ◆ AAA research shows current systems are inadequate (October 2019)
- ◆ Industrial reports: 100% failure rate of current AEB at night, 60% failure during the day

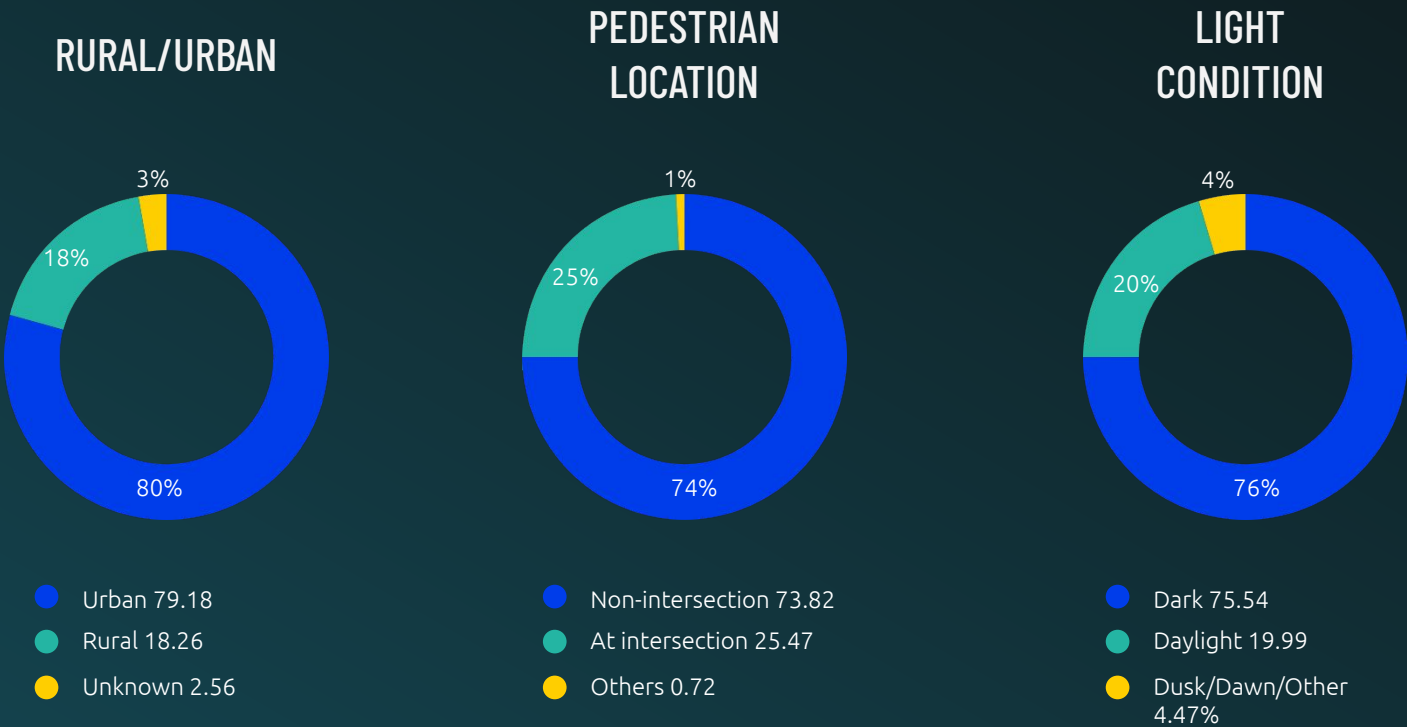
Enhanced AEB and ADAS must include thermal sensors

- ◆ Industry testing confirms the addition of thermal cameras will save lives
- ◆ Thermal cameras are the only sensor that identifies living beings and works at long distances
- ◆ AAA report: "Thermal imaging remains effective in adverse weather such as rain, snow and fog"

Pedestrian fatalities - the numbers

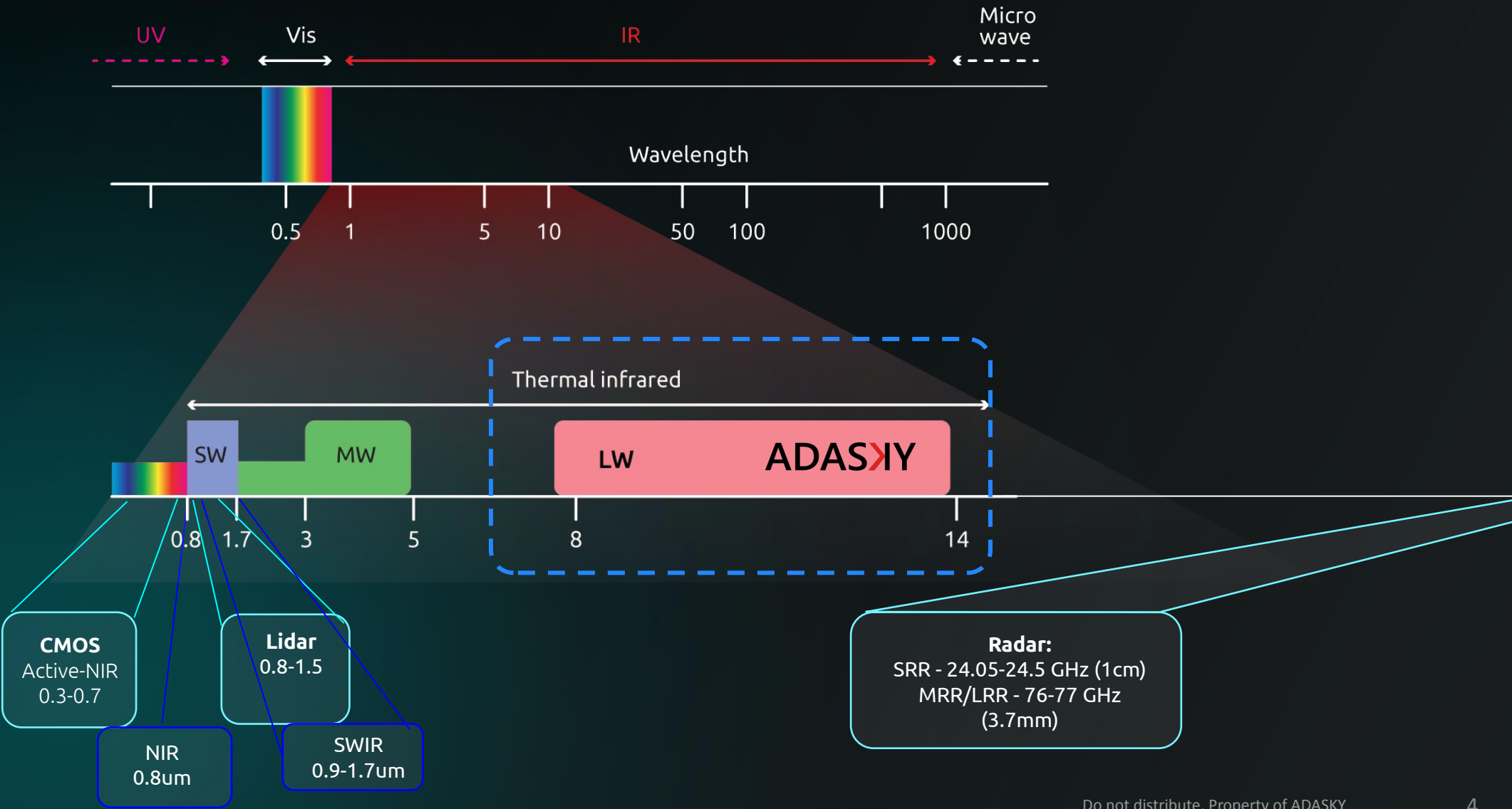
Pedestrian fatalities are on the rise with 75% of 6,000 deaths occurring at night, in urban areas, away from designated walkways

LWIR cameras can fix this



Pedestrian fatalities overview in the United States, 2018 - NHTSA

THERMAL SENSING - BEYOND THE VISIBLE SPECTRUM



ADASKY's solution:

VIPER

When our eyes and other sensors are not enough, "VIPER", our LWIR thermal sensor, helps to enhance the current sensor suite to become 100% effective in ALL challenging use cases



Advanced WDR 720p Cam AdaSky's VIPER FIR Solution

Night time Recognition



Advanced Full HD dashcam AdaSky's VIPER FIR solution

Glare Recognition



Wxga CMOS dashcam AdaSky's VIPER FIR solution

Harsh weather (Fog) Recognition

› The VIPER demonstrates superior performances



Shutterless camera -
No moving parts



Built for Automotive - ISO 26262
ASIL-B ready



The smallest camera in the
market (size & weight)



Robust passive sensing
system



The lowest power
consumption



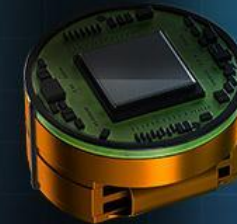
The lowest latency



Dedicated ISP for superior
image quality (ADA1)



Scalable & cost effective



VIPER: Vehicle Integration

Functional esthetics is everything!

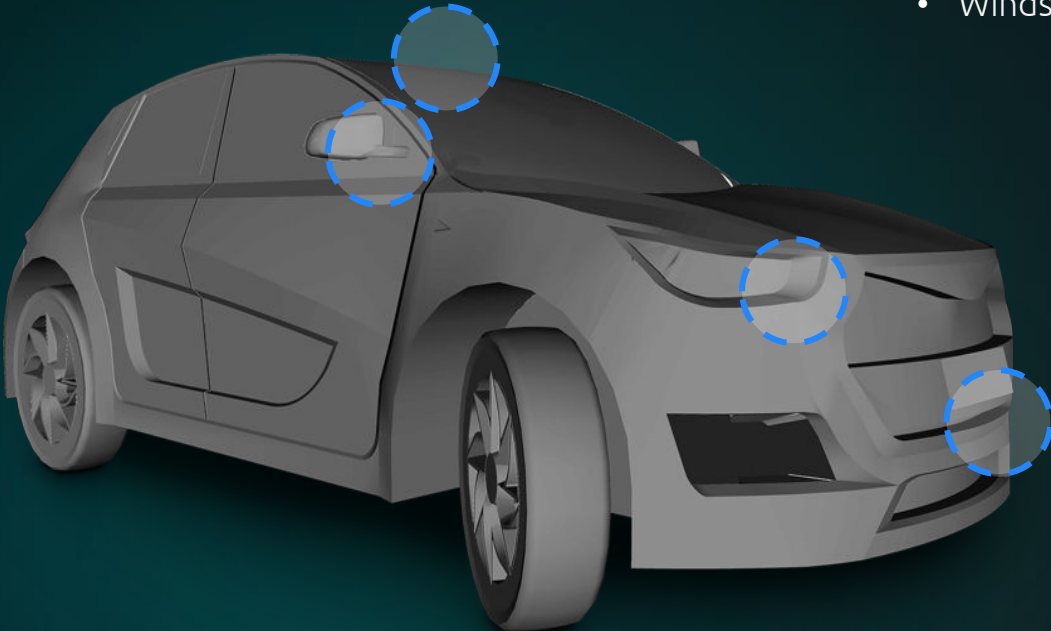
Viper can easily and discreetly be placed in many parts of the car to address any use-case

➤ VIPER's small form factor provides an aesthetic solution for OEMs

➤ Installation alternatives include:

- Inside headlights
- Inside grill
- Inside mirrors
- Roof
- Windshield edges

➤ VIPER integrated into Magneti Marelli Award-winning Smart Corner™ presented at CES 2019



VIPER: PRODUCT PORTFOLIO

Field of View Variants



VIPER FOV 30°

- Front facing
- Road-user detection
- Environmental segmentation
- Smallest form factor
- Ø26mm x 44.2mm



VIPER Long Range FOV 18°

- Front facing
- Long range detection
- >200m range pedestrian detection
- Ø26mm x 65mm



VIPER wide FOV 60°

- Front facing and side view
- Mapping and localization
- Blind spot detection
- Ø26mm x 61.2mm



VIPER wide FOV 90°

- Mapping and localization
- 360° environment camera
- Rear view for backing up
- Ø26mm x 62.7mm

ADASKY is expanding from automotive to additional segments



VIPER (AUTOMOTIVE)

High-resolution, shutterless, LWIR thermal camera, designed for enhanced vehicle safety



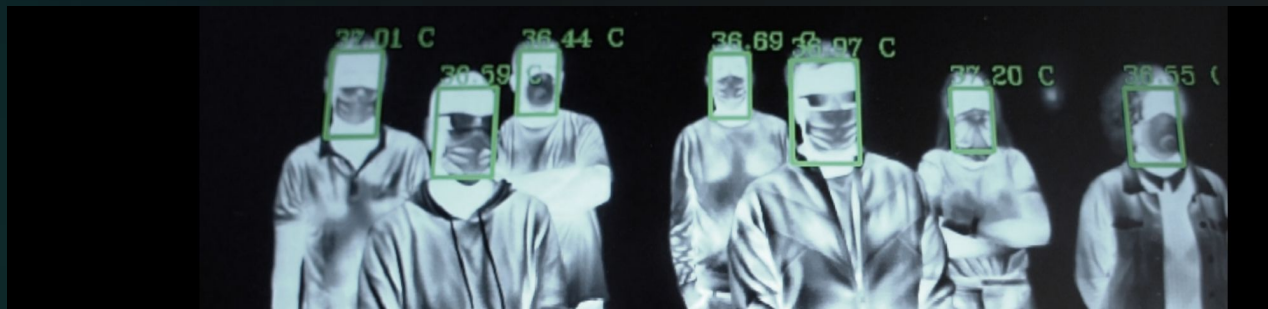
SHARP VISION (SMART CITIES)

Stationary thermal LWIR imaging system for roadway safety, "super-vision" for drivers and road users



VIPER-R (COVID-19)

Radiometric LWIR thermal camera for sensing elevated body temperature



ADASKY's solutions - Video links

Solutions

VIPER ▶



SHARP VISION ▶



VIPER-R ▶



All-weather recognition



Multi-classification recognition

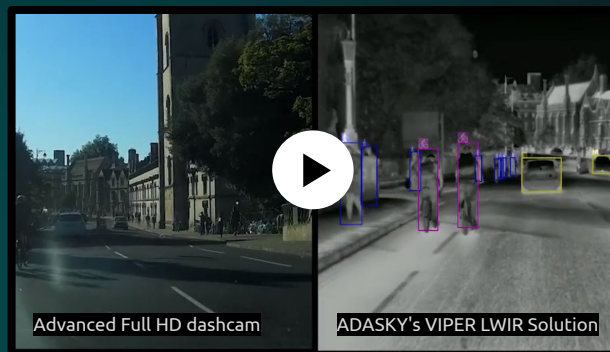


Free-Space road segmentation



FCW and AEB Safety Features

Software capabilities



Multi-classification recognition



Free-Space road segmentation



FCW and AEB Safety Features



OUR CORE IS OUR PEOPLE

It's all about teamwork!

~80 employees,
~55 multidisciplinary
engineers

Family-style
working
environment

Agile approach,
innovative
thinking

Resilience &
efficient
teamwork

Committed to
ADASKY's vision
to save lives!

ADASKY IS DRIVEN TO SAVE LIVES!>

ADASKY develops a unique solution for critical challenges

ADASKY is experiencing significant growing demand from OEMs and T'1s

ADASKY is growing, and establishing a mass production manufacturing site

ADASKY has a strong financial backing initiated its Series B investment round.
\$15M has been already secured by its existing shareholders

[ADASKY's Website](#)

[ADASKY's Youtube channel](#)

[ADASKY's linkedin page](#)

Dec 1, 2020, 05:42am EST | 343 views

Adasky CEO Declares Thermal Cameras The New Airbags



Ed Garsten Senior Contributor @
Transportation

Forbes

ADASKY Awarded Strategic Contract with Autonomous Electric Vehicle OEM English ▾

Night vision for cars: Fighting the pedestrian safety crisis

Eric D. Lawrence Detroit Free Press

Published 8:48 a.m. ET Oct. 26, 2020 | Updated 4:12 p.m. ET Oct. 29, 2020



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