HD Intelligent Pedestrian Detection System

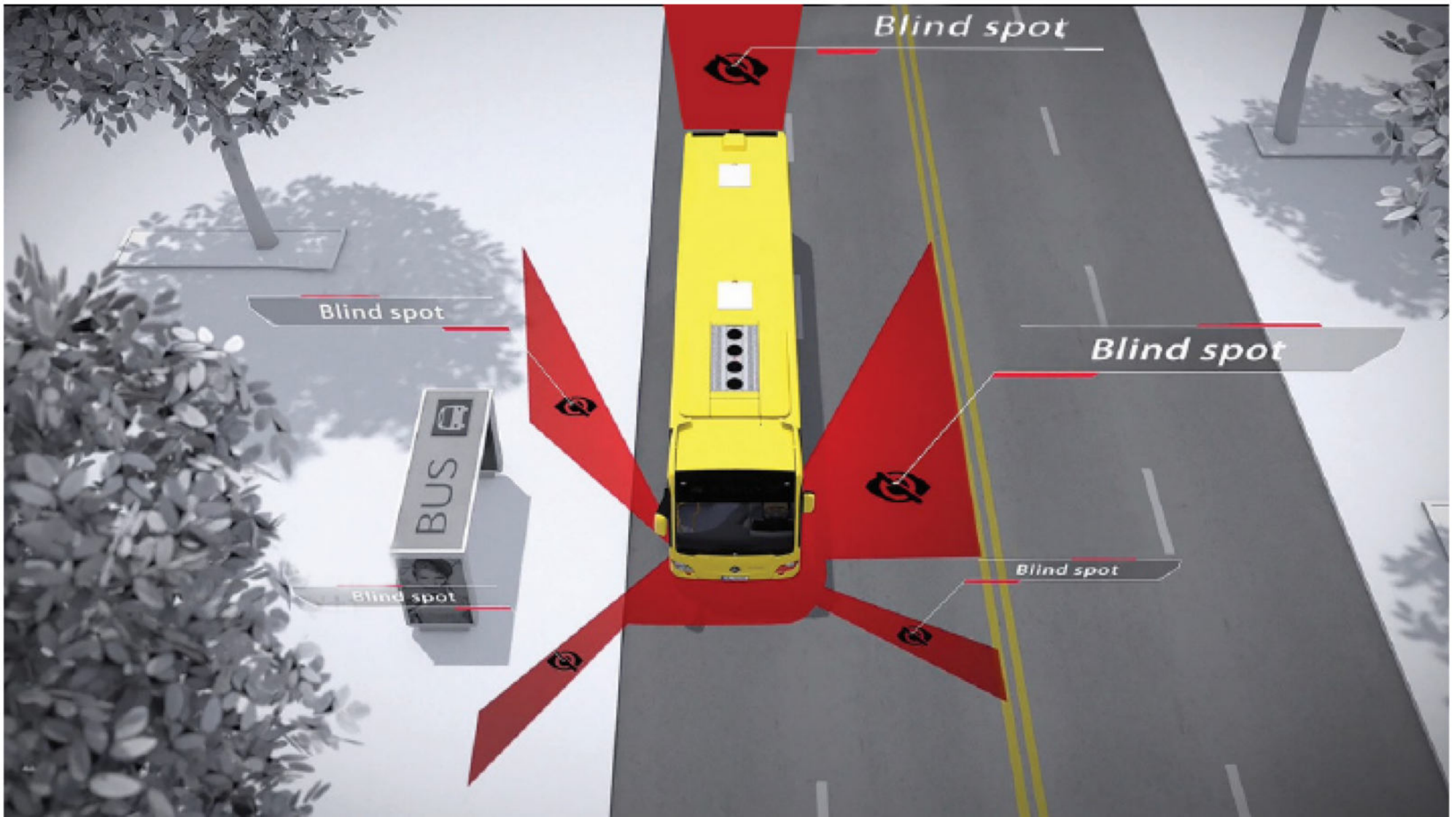AI

(ADA38)

Bus Knowledge

FRA
AUTOMOTIVE COMPONENTS

Are you bothered by following issues?

- How to deal with blind spots when taking a turn or changing lanes?
- How can drivers be warned of pedestrians or cyclists on road?

💡 **Here is a solution for problems above---an intelligent pedestrian detection camera!**

      Pedestrian Detection Camera provides HD pictures of areas around the vehicle, including those not covered by traditional mirrors. With deep learning technology, it detects pedestrians and cyclists and sends out audio & visual alarms in real time. In this way, drivers could avoid running onto pedestrians when taking turns or reversing.

AI

Deep Learning (AI)

IP69K

1080P

1080P

Wi-Fi

Detection distance:
3 x 6m

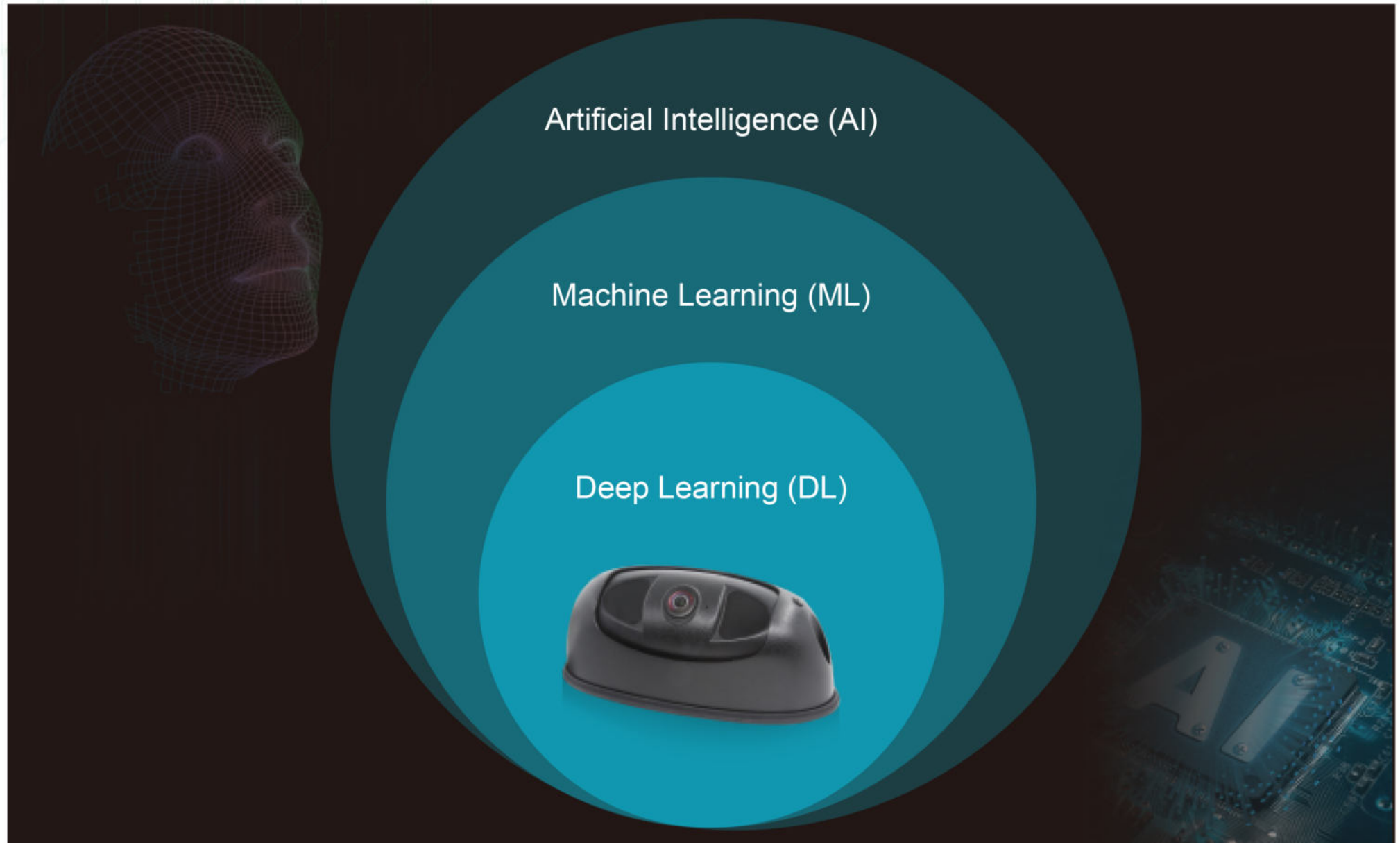Anti-vibration
ISO 16750.3(Max.5.9G)

Features

- Detecting vulnerable road users and warning drivers
- Waterproof and dustproof rating: IP69K, anti-vibration rating: ISO 16750-3(5.9G).
- Pedestrian detection range: Downward view: 3m x 6m.

  Rear view: 0.5-12m

  Side view: 0.5-20m

- 1080P video output (with alarming frame).
- Audio alarm output to monitors or other devices with speaker.
- Camera should be installed downward with suggested mounting height of 2.5m-3.5m for the best detection result.
- Lens parameters: Downward view camera: 1.4mm, with the horizontal angle of 170°

  Rear view camera: 2.3mm, with the horizontal angle of 140°

  Side view camera: 6mm, with the horizontal angle of 52°

- USB2.0 interface, connected to Wi-Fi modules and USB.
- Easy calibration done by phones through a web link
- Automatic upgrade via USB

Specification

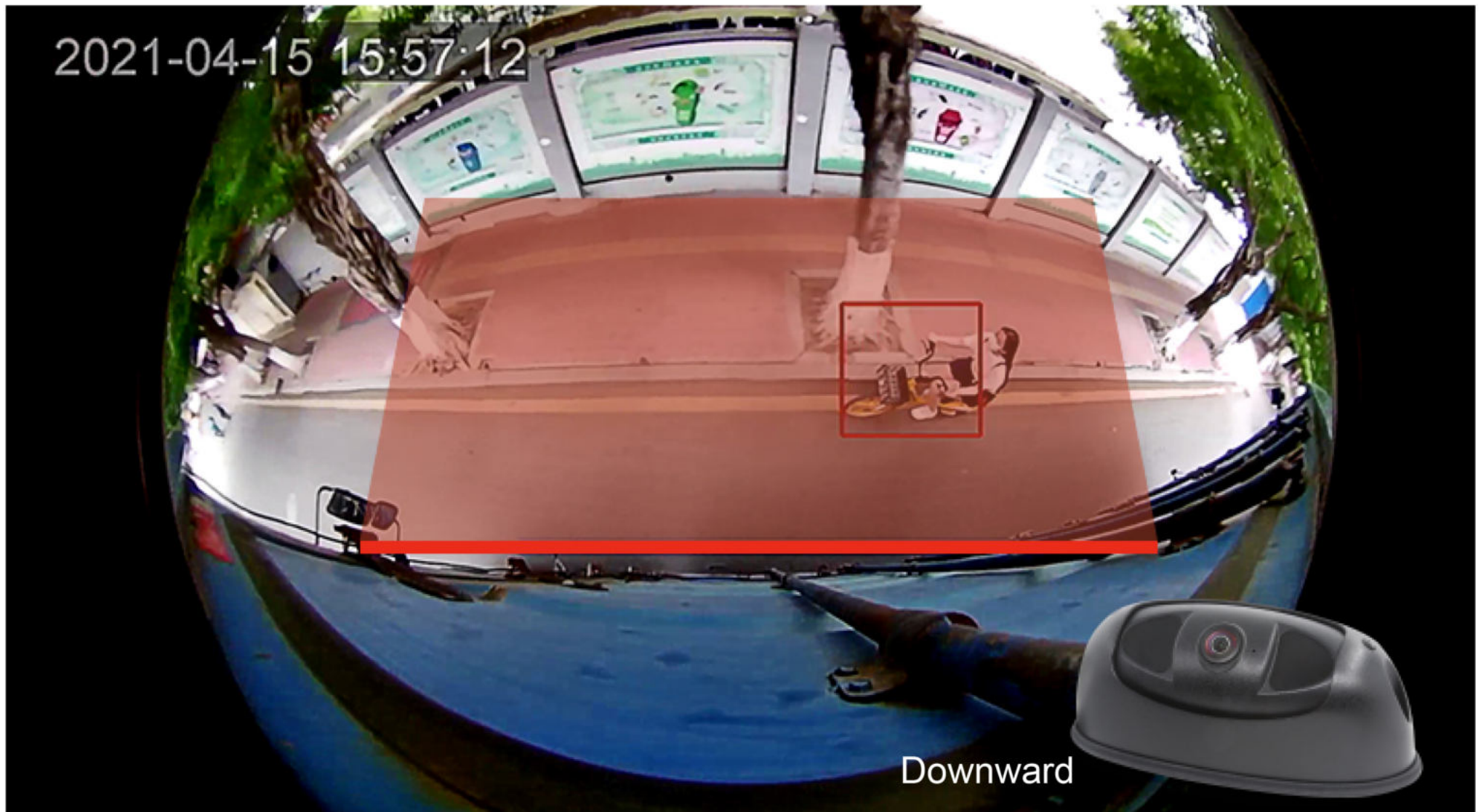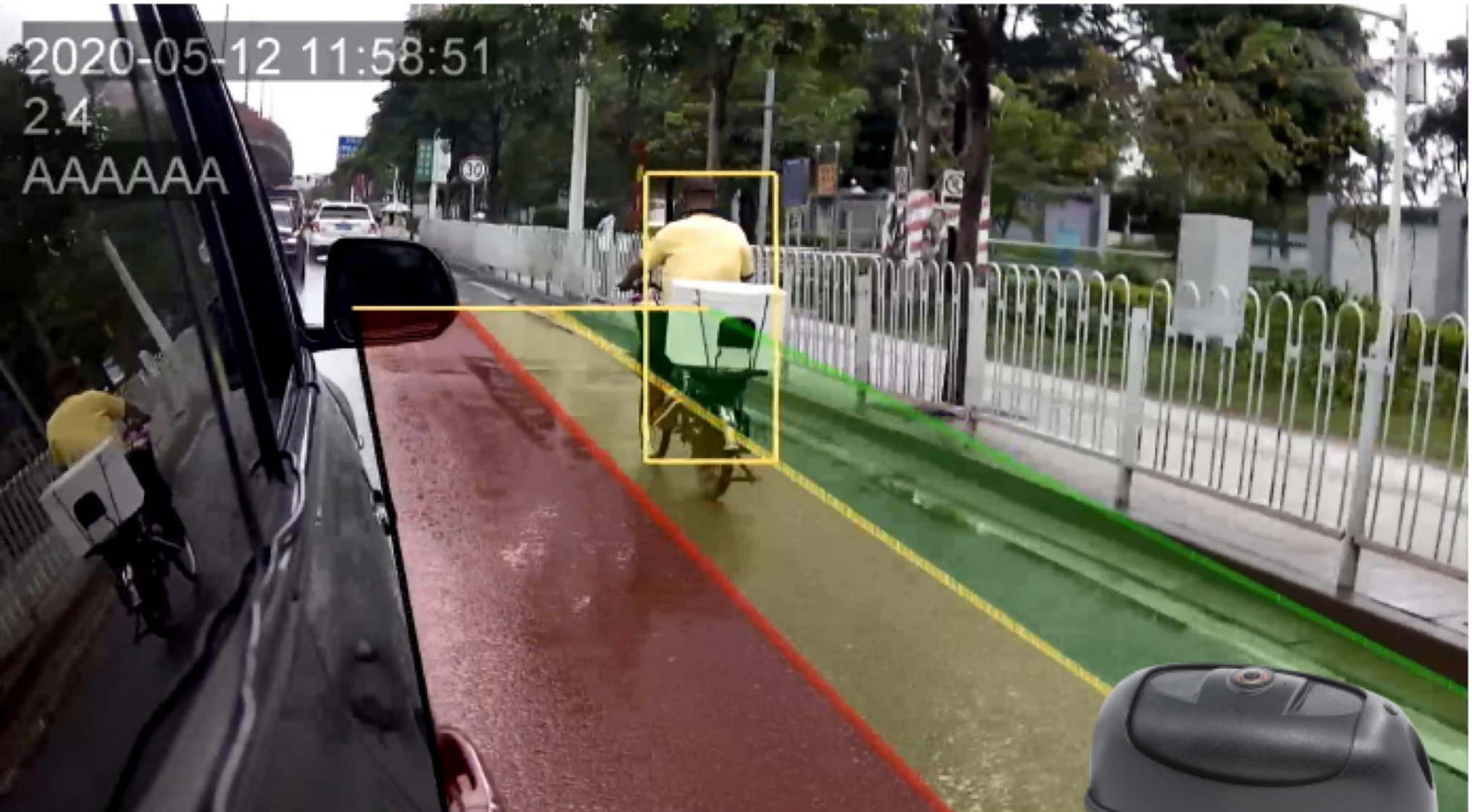|	Downward view	Side view	Rear view
Focus / Horizontal Viewing Angle	1.4mm/170°	6mm / 52°	2.3mm / 140°
Detection Distance	3 x 6m	0.5 ~20m	0.5~12m
Supply Voltage	DC10V~32V		
Max. Consumption	320mA		
Video Format	1920×1080/25f or 1920×1080/30f		
Video Output	AHD(1.0Vp-p,75Ohm)		
Audio Output	Warning sound signal output		
Working Temperature	-20 ~ +70°C		
Storage Temperature	-40 ~ +85°C	-30 ~ +80°C	
Waterproof Rating	IP69K		
Size	139.7 x 63.2 x 53.5mm		
Weight	386g		
Housing Color	Black		
Connector	8Pin mouse male connector, 4Pin aviation female connector (power, video, audio) on transition cable, USB2.0 female connector, I/O wire for alarm output		

AI algorithm

HD intelligent pedestrian detection system adopts deep learning technology for intelligent and accurate pedestrian detection.

Artificial Intelligence (AI)

Machine Learning (ML)

Deep Learning (DL)

Detecting and warning in all-round vision includes downward view, side view and rear view

HD intelligent pedestrian detection camera provides automatic alarm information to drivers (1080P video output, pedestrian alarming frame), and reduces the risks of accidents.
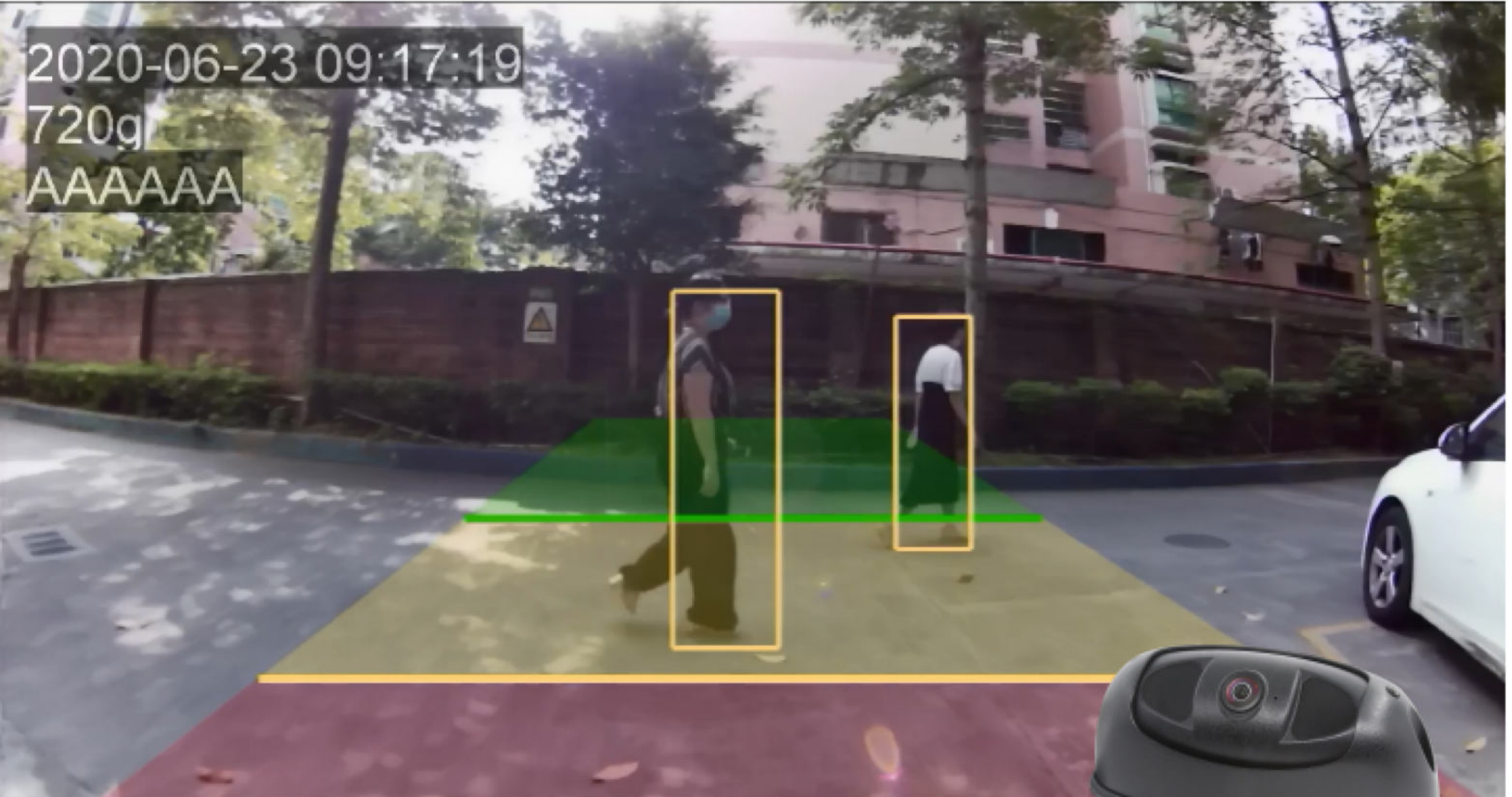

2021-04-15 15:57:12

Downward

2020-05-12 11:58:51
2.4
AAAAAA

Side view

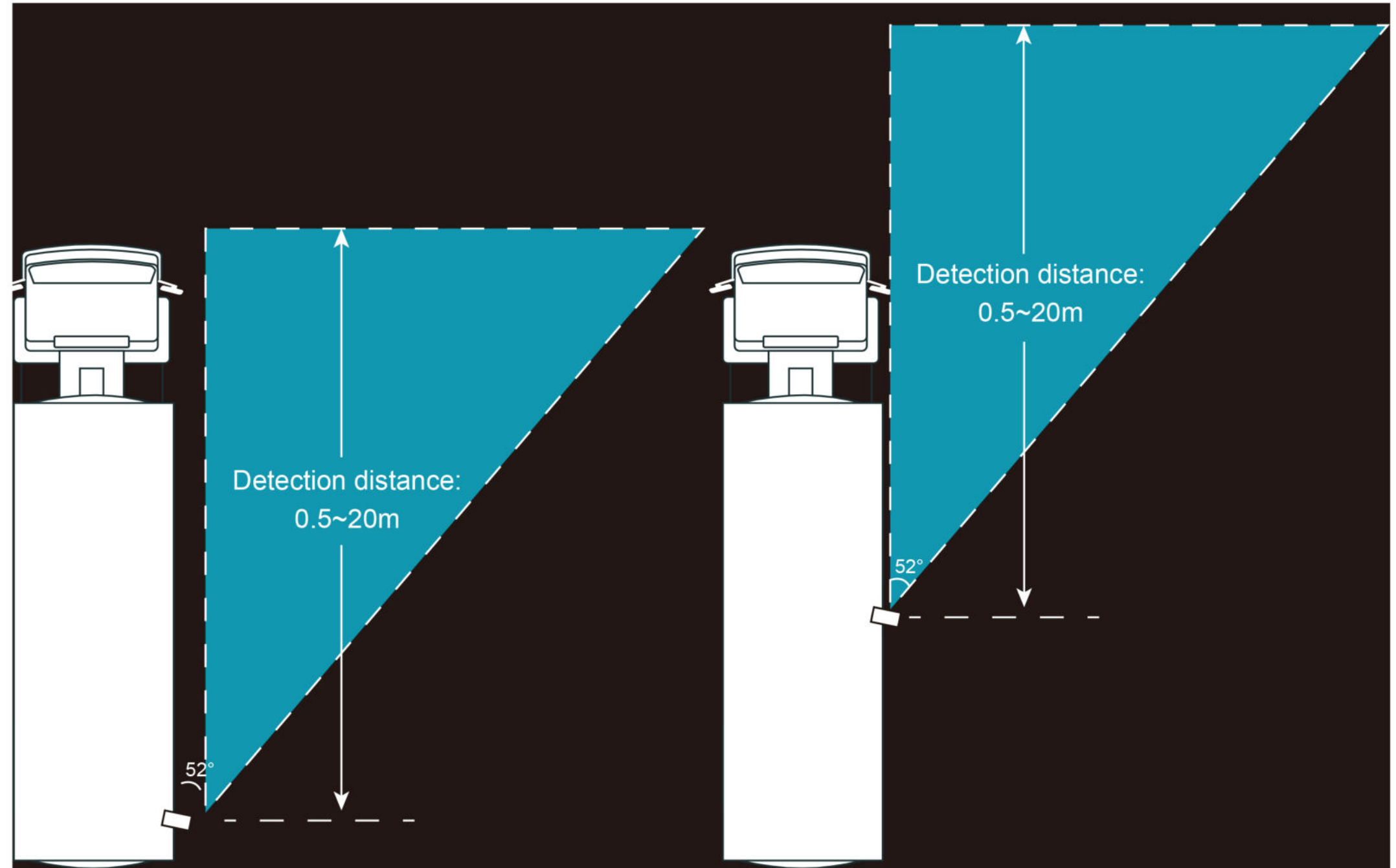2020-06-23 09:17:19
720g
AAAAAA

Rear view

Pedestrian Detection range (Downward view): 3m x 6m

Detection range: 3×6m

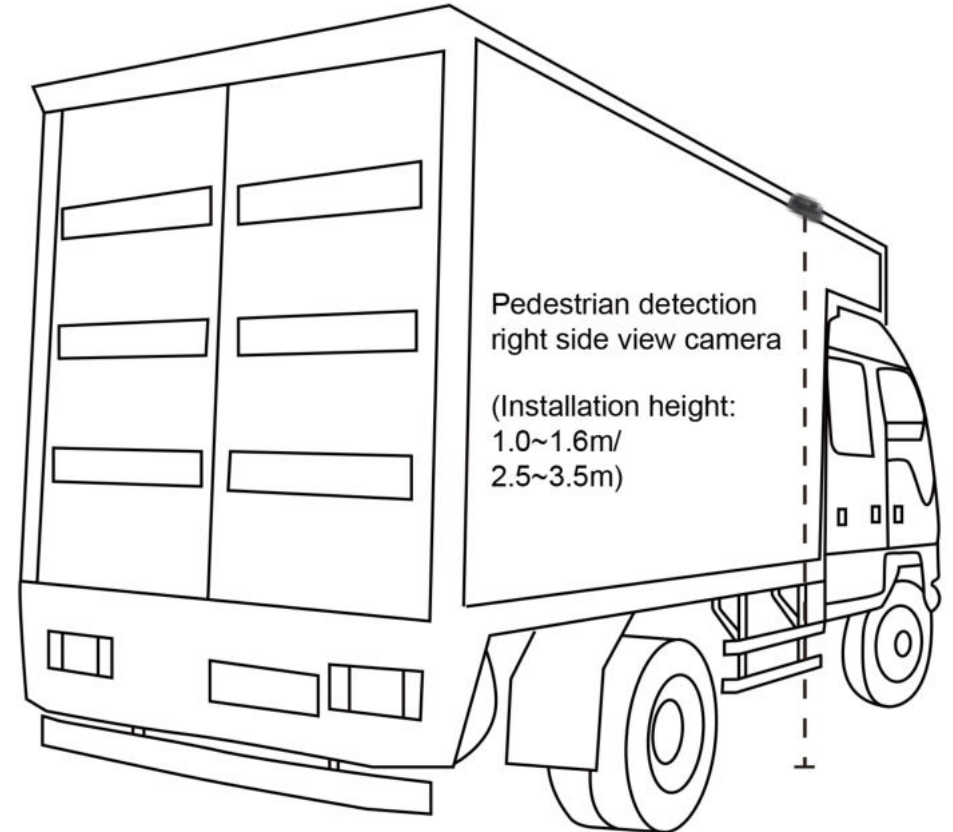**The distance for pedestrian detection reaches up to 20 meters (Side View)**

Detection distance: 0.5~20m

52°

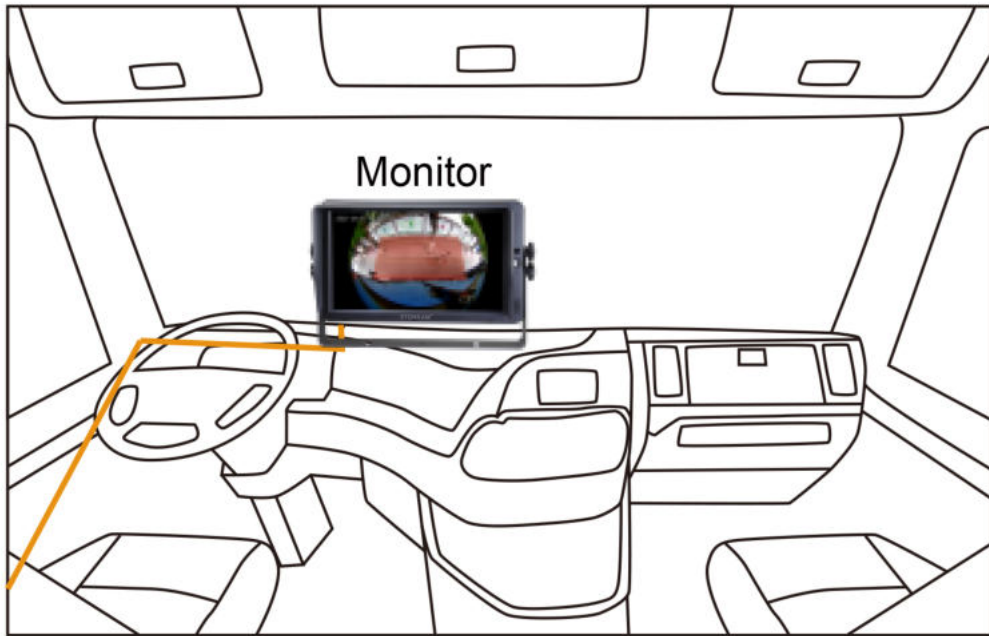Detection distance: 0.5~20m
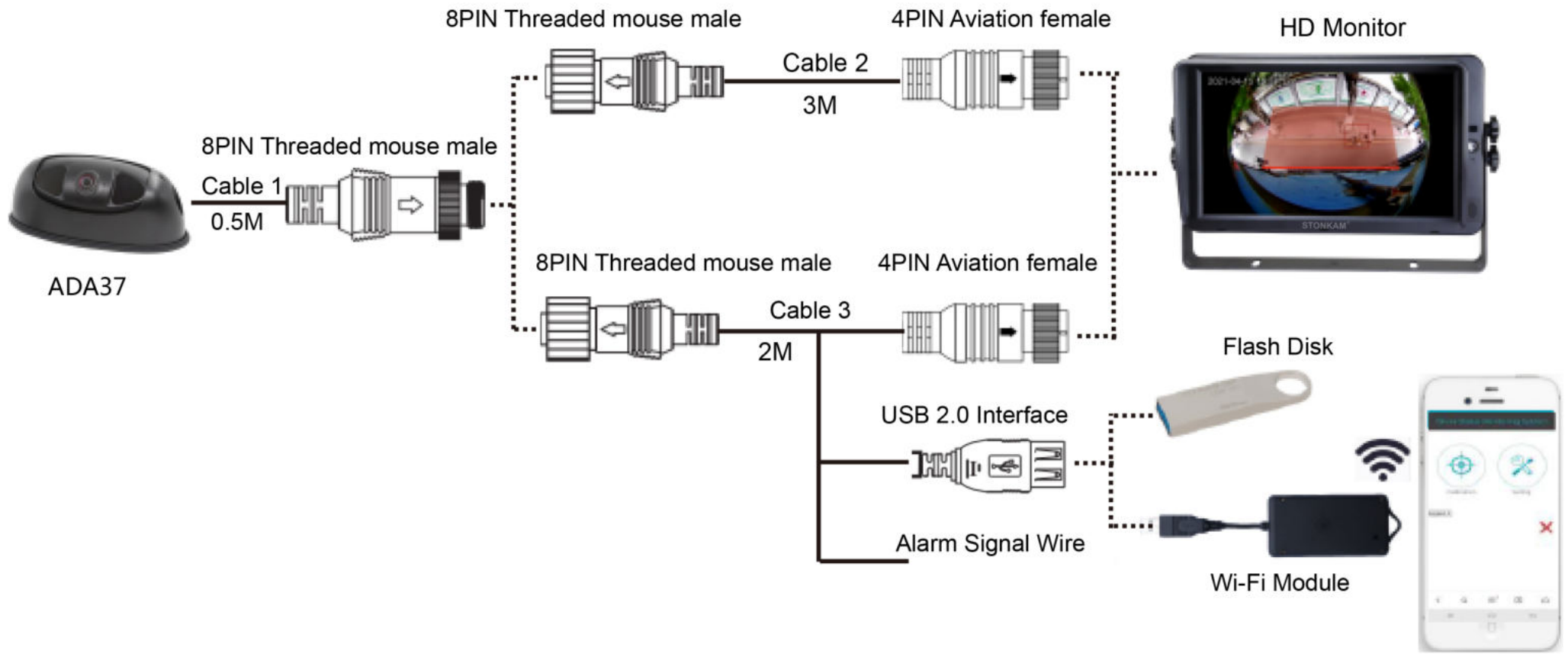
52°

IP69K waterproof, weatherproof and durable

Easy installation

When the camera is installed on the two sides, it's recommended to be at 2.5m-3.5m height for downward view, and 1.0m-1.6m for forward side view.
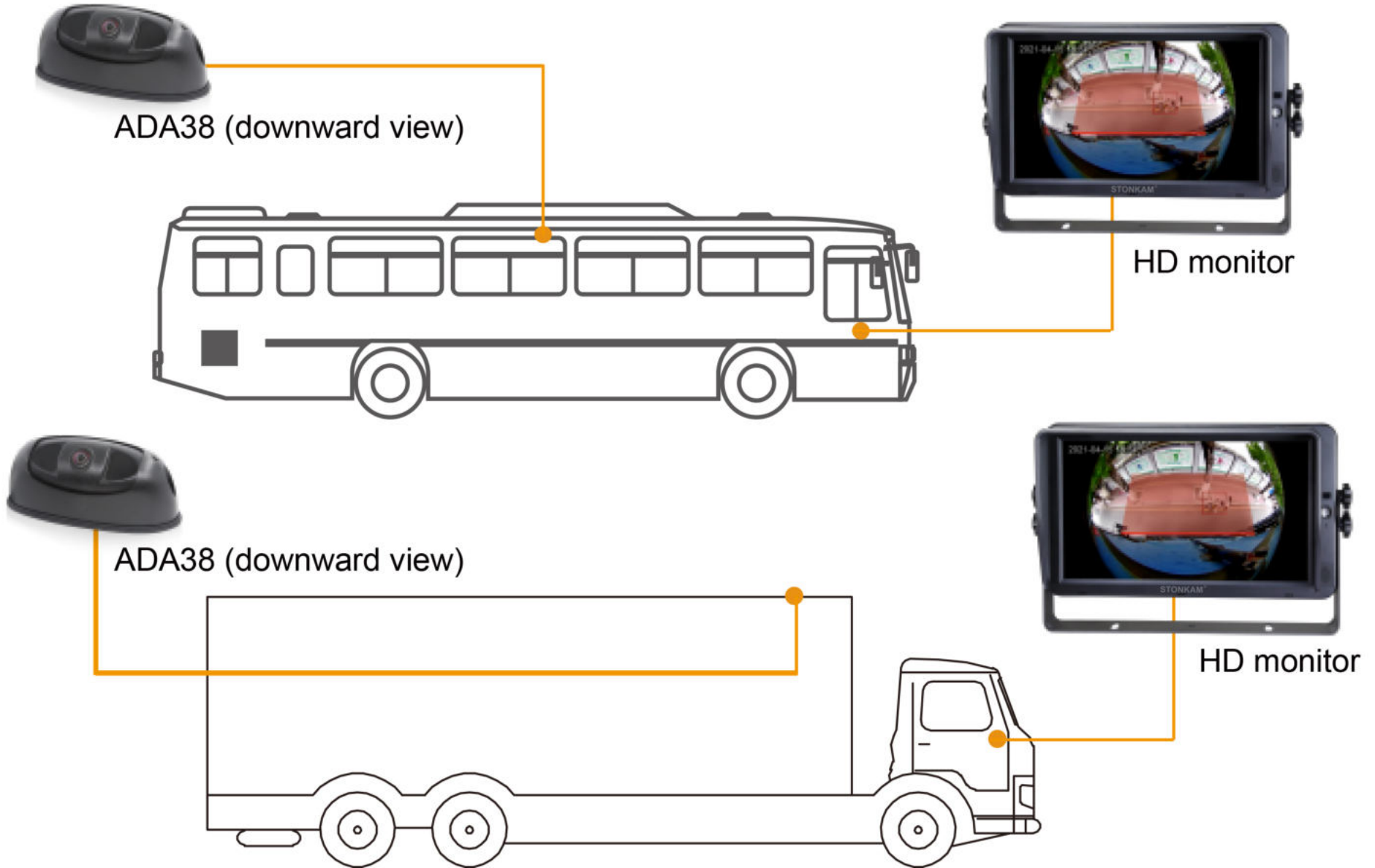
Monitor

Pedestrian detection right side view camera

(Installation height: 1.0~1.6m/ 2.5~3.5m)

Connection

Mobile phones can connect with the camera via the external Wi-Fi module, and calibrate & set up the camera.

8PIN Threaded mouse male

4PIN Aviation female

HD Monitor

Cable 2
3M

8PIN Threaded mouse male

Cable 1
0.5M

ADA37

8PIN Threaded mouse male

4PIN Aviation female

Cable 3
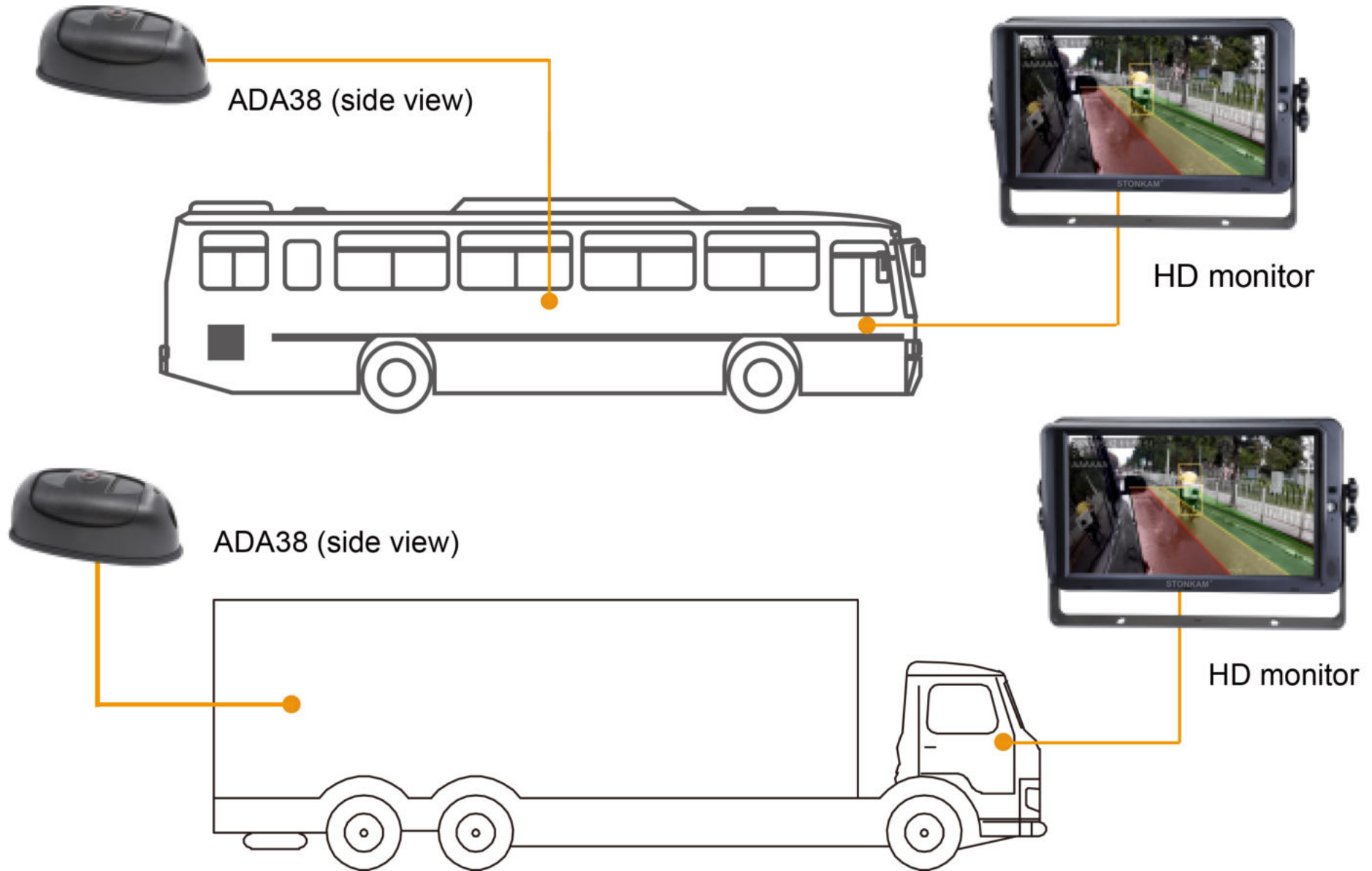2M

Flash Disk

USB 2.0 Interface

Alarm Signal Wire

Wi-Fi Module

Application

pedestrian detection camera is fit for various vehicles, such as buses, coaches, trucks, and construction machinery, etc.

ADA38 (downward view)

HD monitor

ADA38 (downward view)

HD monitor

Application

pedestrian detection camera is fit for various vehicles, such as buses, coaches, trucks, and construction machinery, etc.
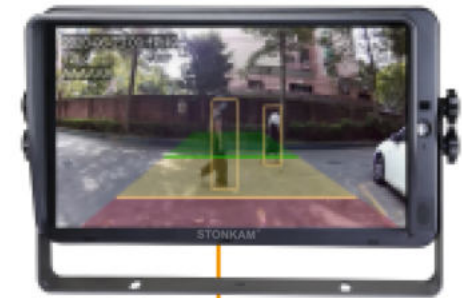
ADA38 (side view)

HD monitor

ADA38 (side view)
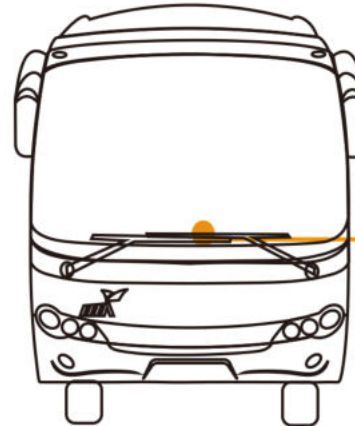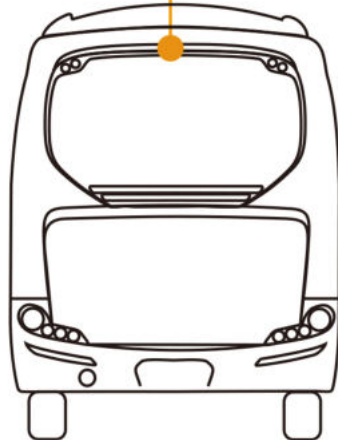
HD monitor

Application

K FRA
AUTOMOTIVE COMPONENTS

pedestrian detection camera is fit for various vehicles, such as buses, coaches, trucks, and construction machinery, etc.

ADA38 (Rear view)

HD monitor

kit includes

x1 HD monitor dual screens
x2 cameras (1 front+1 side)
x2 wiring
x1 camera calibration system