

SuperMap Mobile AR+AI Solutions

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AI+AR Technology with SuperMap

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AI+AR Technology with SuperMap

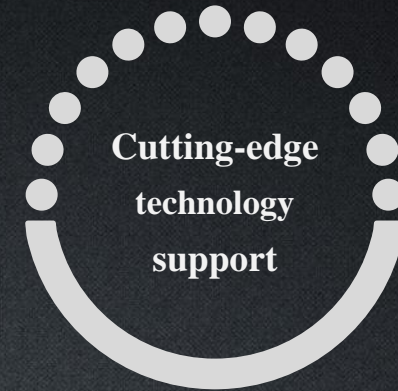
AR? AI?

Augmented Reality (AR) is a **technology** that calculates the position and Angle of a camera image in real time and adds the corresponding image.

Artificial Intelligence (AI) is a new **technical science** to research and develop theories, methods, technologies and application systems used to simulate, extend and extend human Intelligence.

SuperMap Mobile AR and AI Technology

- ◆ **AR:** With AR Core platform as the main, self-developed SLAM platform as the auxiliary, multi-mode comprehensive
- ◆ **AI:** To TensorFlow Lite and Caffe2 platform as the main, OpenCV auxiliary, combined with the industry model depth optimization





AI+AR in SuperMap iMobile

SuperMap Mobile GIS Product Composition



- ◆ Professional development platform
- ◆ Comprehensive functional coverage, rapid custom development

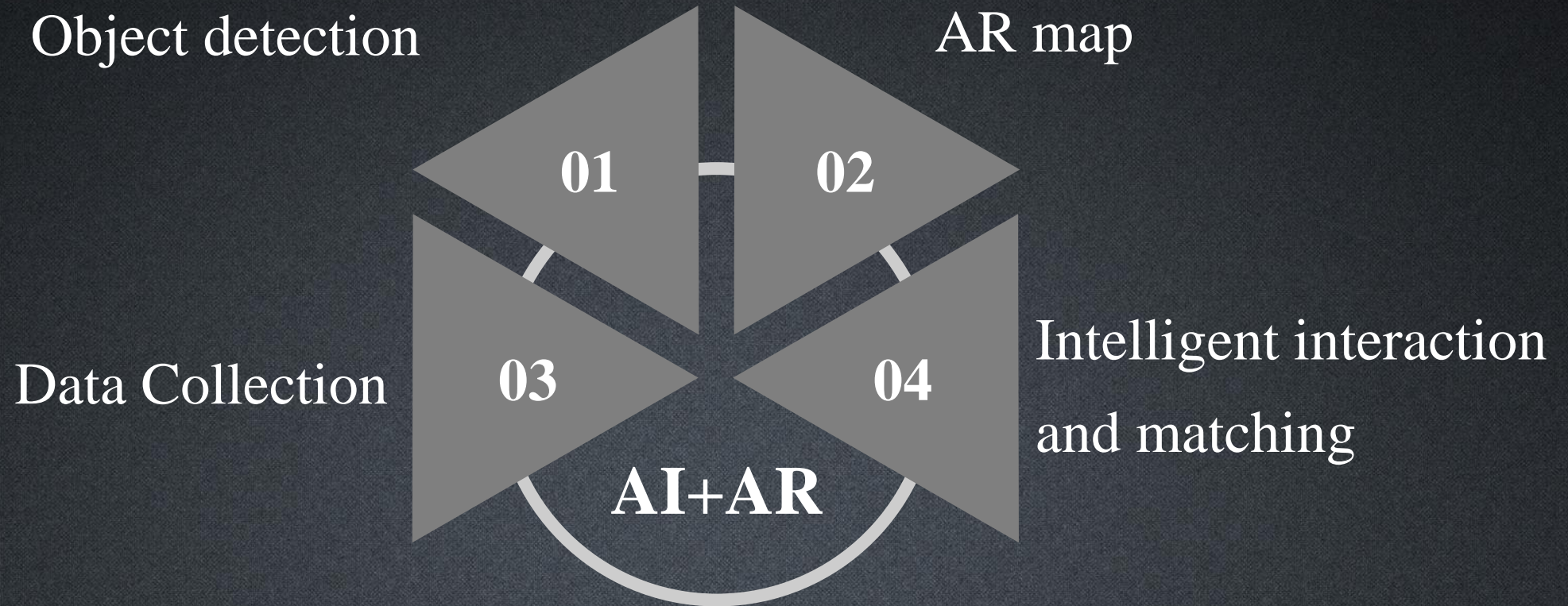


- ◆ Lightweight development platform
- ◆ Online map service
- ◆ iClient + Vector tiles



- ◆ Innovative Mobile APP
- ◆ Universal desktop
- ◆ Use at any time
- ◆ Fully functional

AI and AR Mobile GIS Functions



Object Detection



Video understanding



Target detection



Target aggregation



Target tracking



License plate recognition



Video understanding (Advertising)

识别类别:

位置描述:

相似案卷:

确认



Video understanding (Trash)



Video understanding
(Manhole cover)

< 视频地图



实景



图层



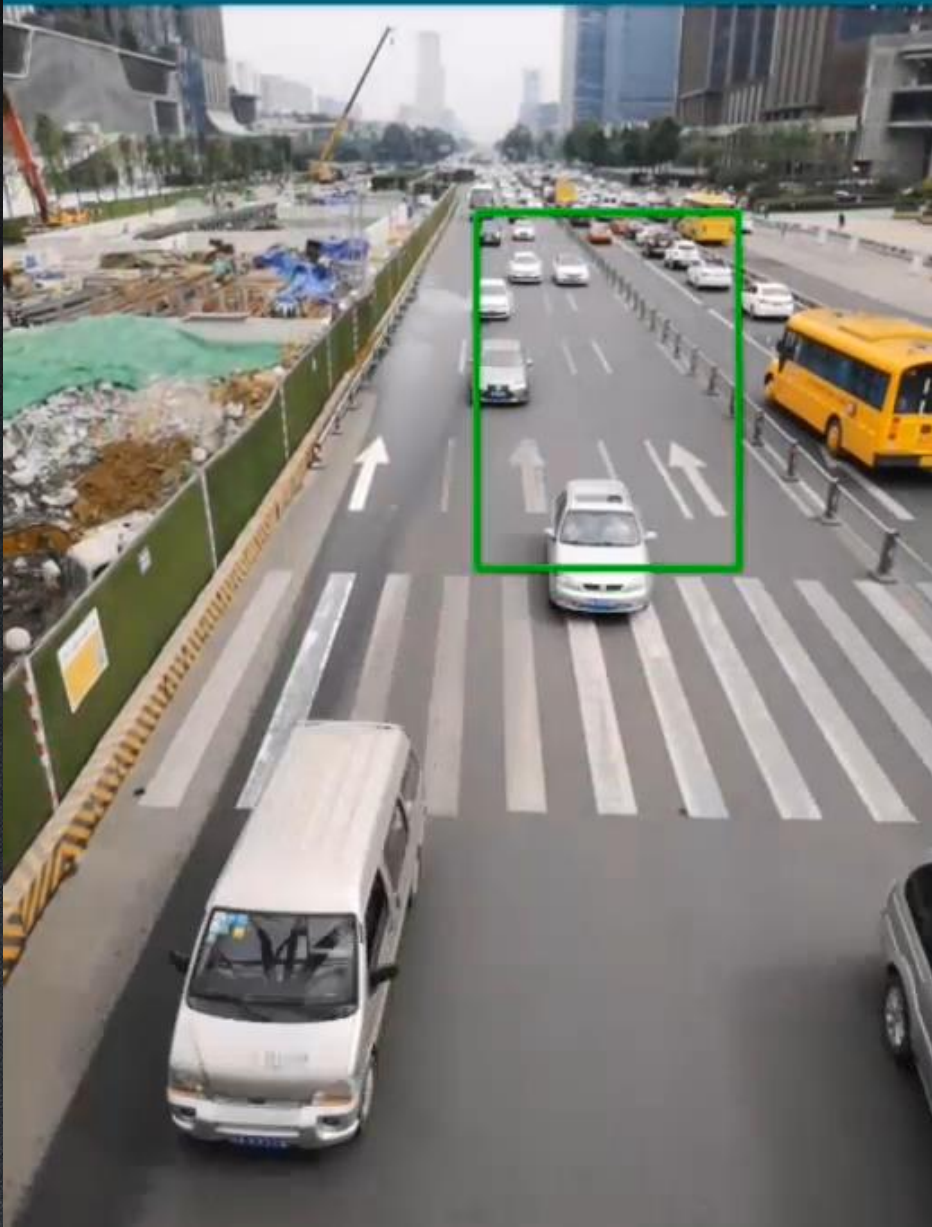
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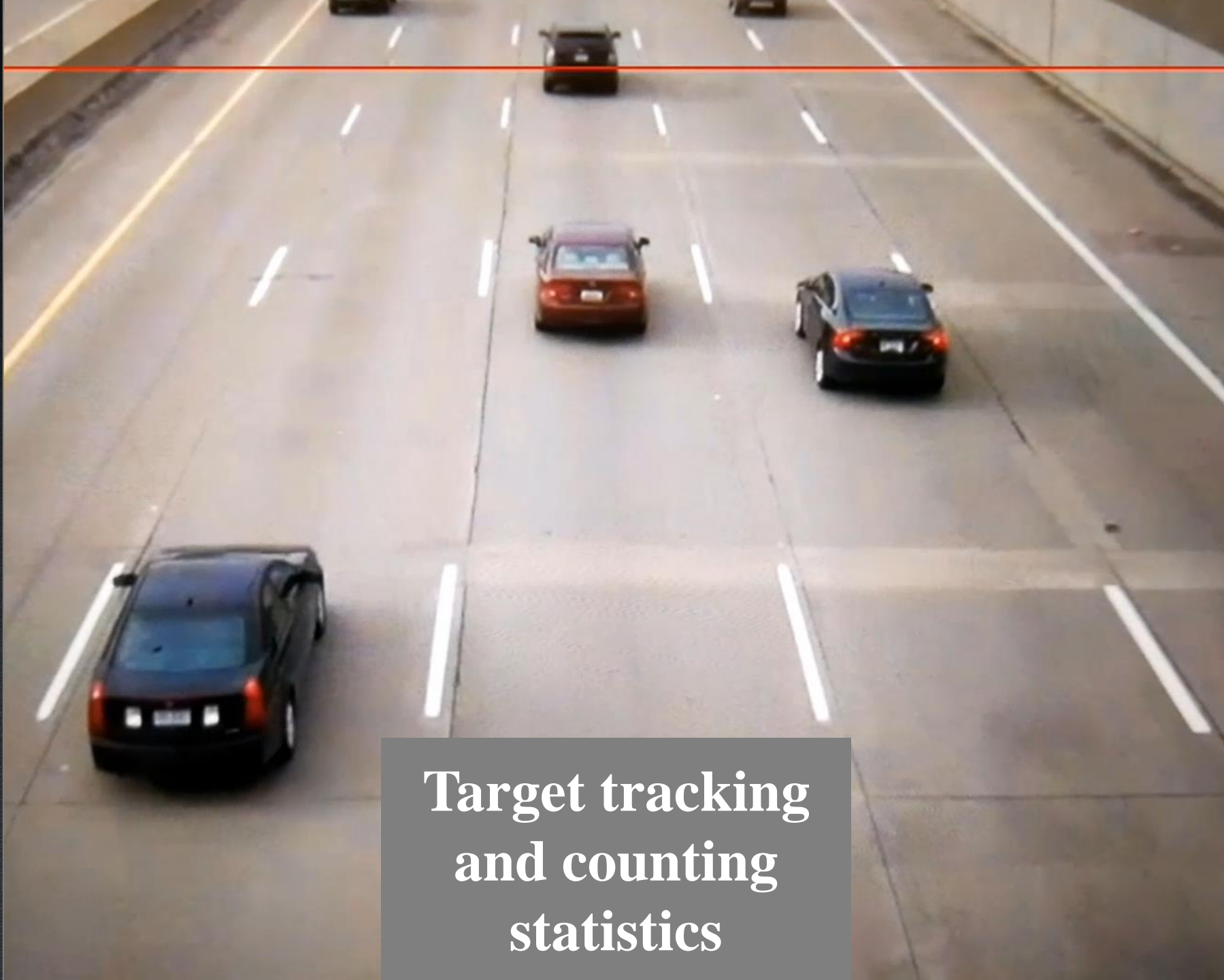
设置

Video Target Detection (Traffic Light)

00:04 结束 AI识别统计



Target Aggregation and Statistics (Traffic Flow)



Target tracking
and counting
statistics



违章采集

扫一扫



车辆号码: 京N4U349

车辆类型: 小汽车

车辆颜色: 黑色

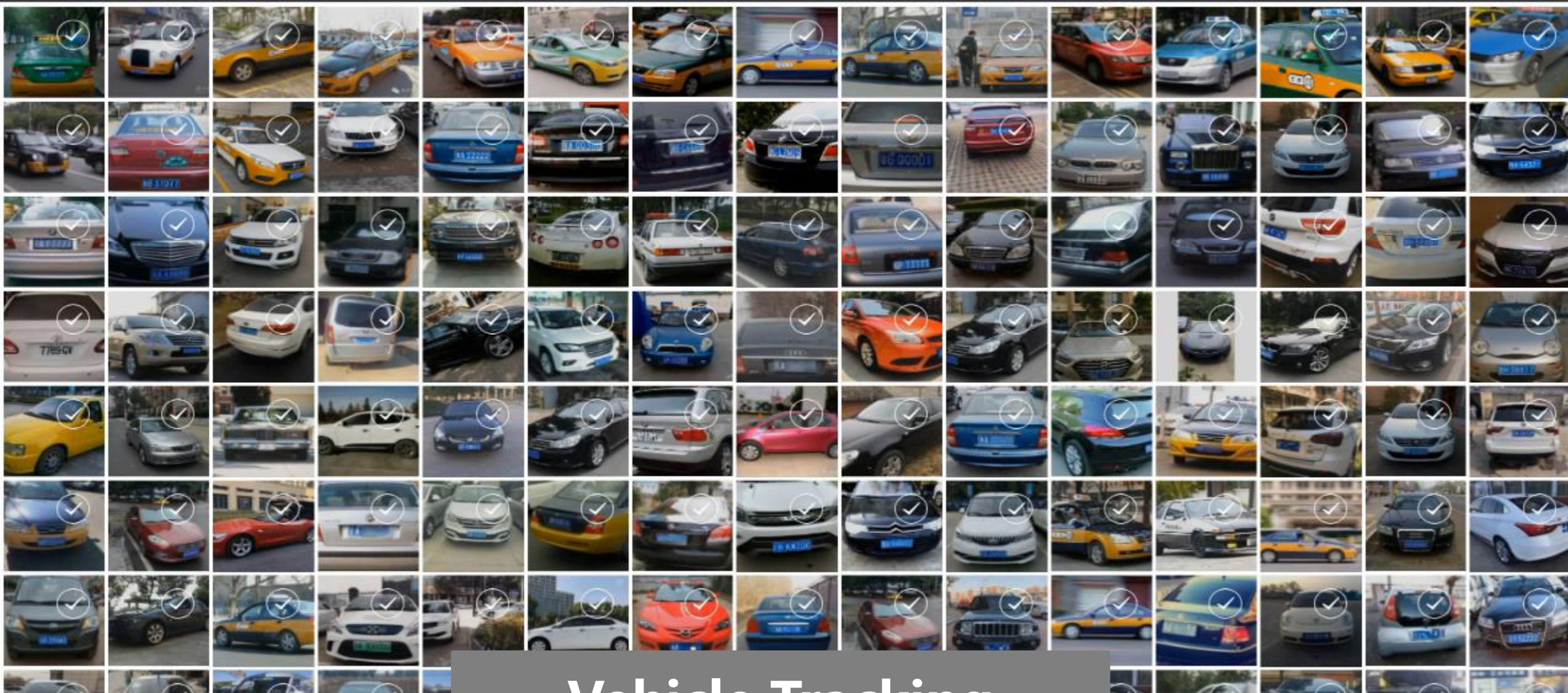
确认

License Plate Recognition



朝阳区 ▾

取消



Vehicle Tracking

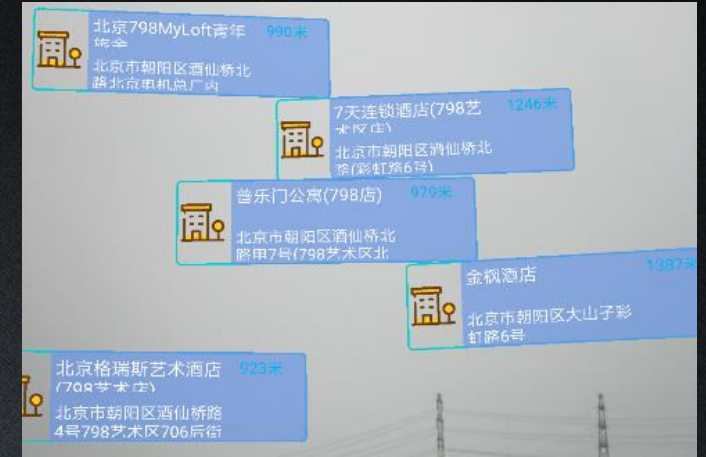
预览

请选择

AR Map



Image recognition and placement



POI with navigation drop



3D scene, BIM launch



Virtual signs

AI和GIS能否碰撞出系统性火花？

AR和移动GIS如何深度结合？

云原生GIS又有哪些新突破？

大数据GIS还可以有怎样的进化？

新型三维GIS将带来哪些令人期待的进展？

SuperMap GIS 新技术论坛

带来最“热”话题

10月31日 第二会议厅



长按扫码，了解详情

SuperMap 新型三维

大规模实景三维数据的分

《空间三维模型数据格式》

用

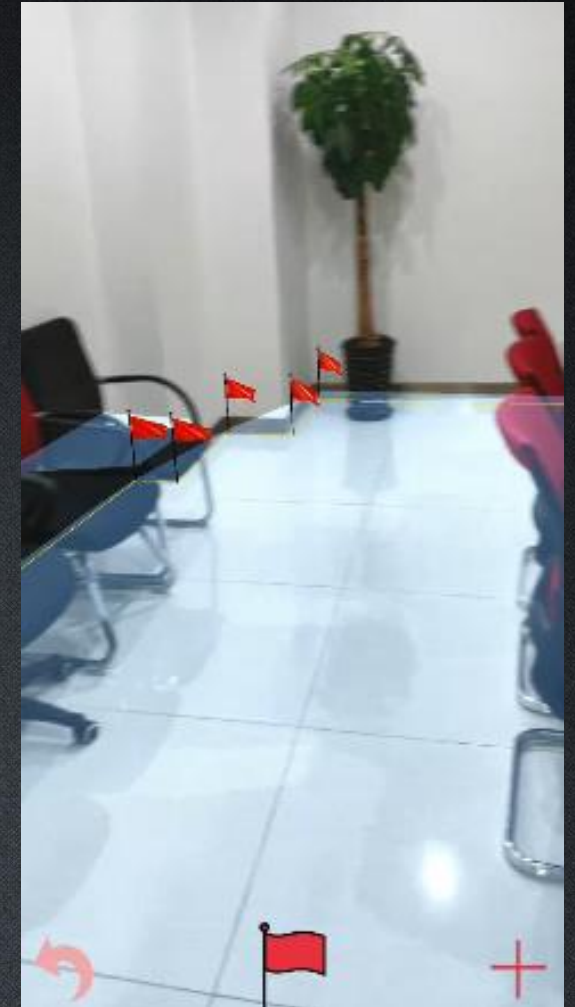
高真实感的全功能三维“零客户

BIM+GIS 八大技术挑战与解决方案

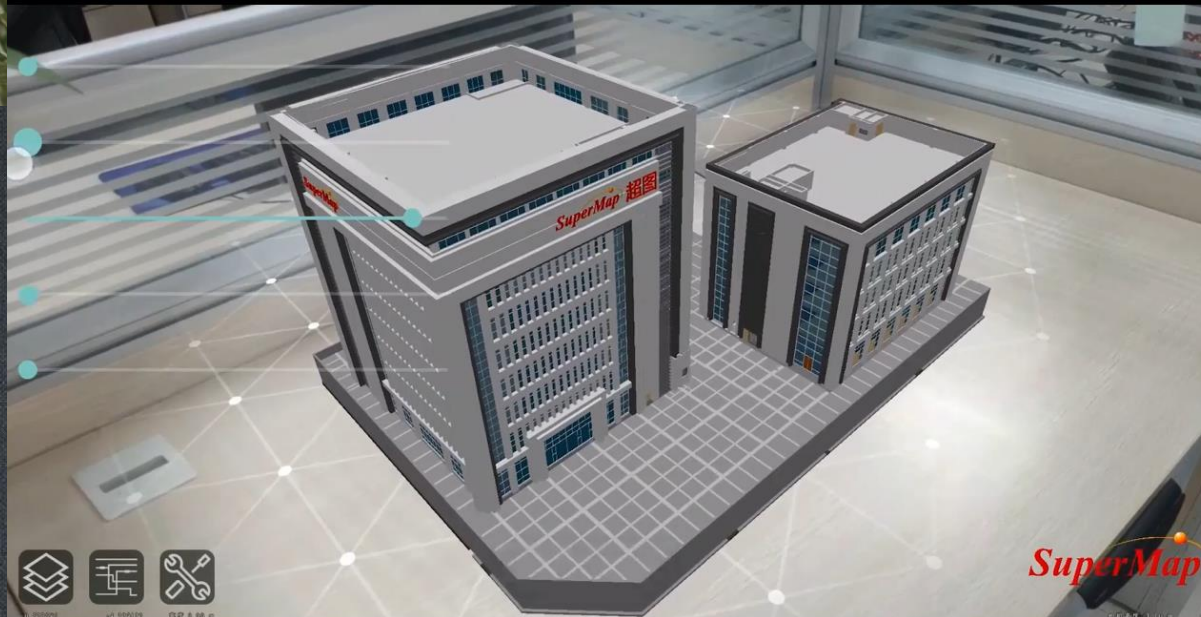
新型三维 GIS 创新地理设计

Image Recognition and Placement

AR + POI - Vector, Text, Picture, Video, etc



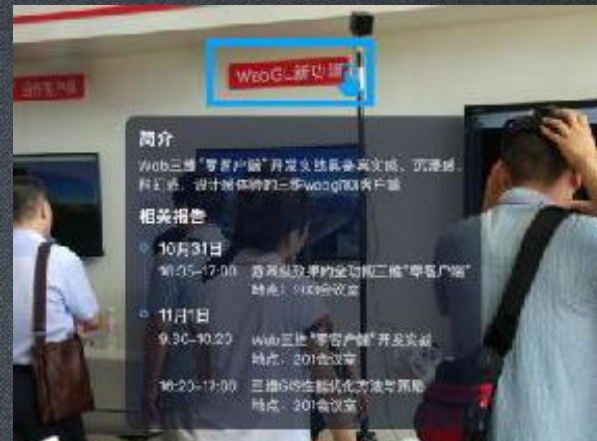
AR + 3D Scene - BIM, Terrain, Pipeline, etc



Virtual Signs



Virtual Signs



财务复印室

会议室
10.36M

写一个评论

会议室
方位角: 143.52777

财务复印室
方位角: 130.06424

女卫生间
9.91M

写一个评论

女卫生间
方位角: 105.13127

开水房
10.11M

自定义 关

避让 关

Max Head

Max Scale

Max eye

POI recognition, position recognition

Intelligent data collecting



Indoor positioning



Indoor navigation



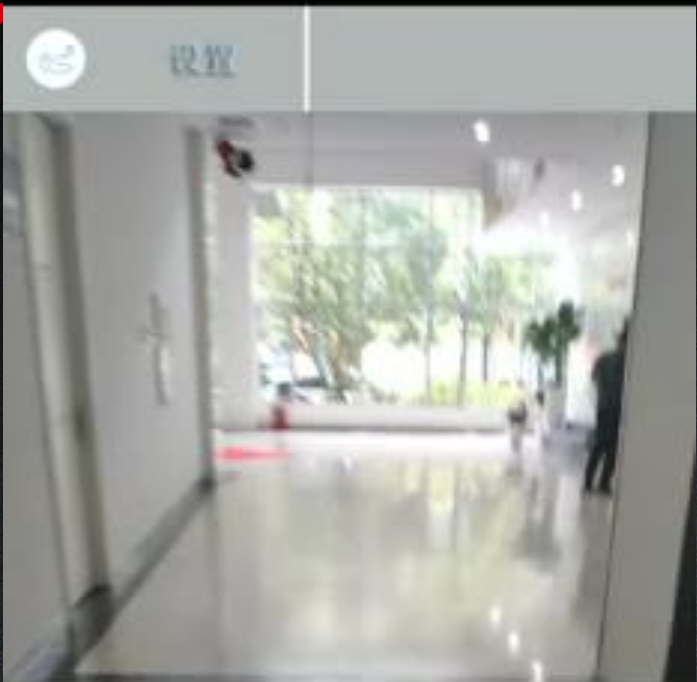
Intelligent mapping



Intelligent track
collection



Target recognition



Indoor positioning





Indoor AR navigation

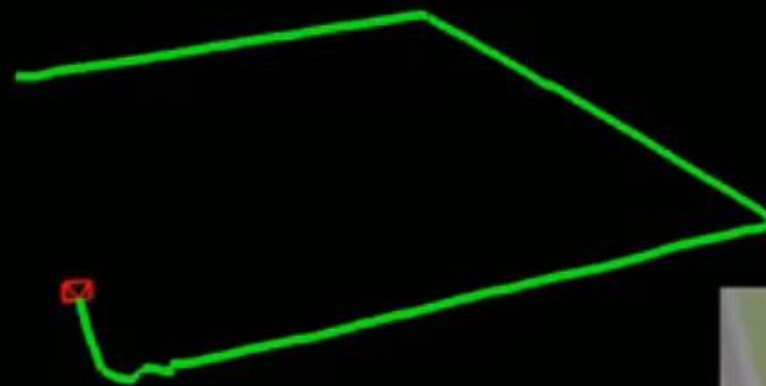


Intelligent mapping

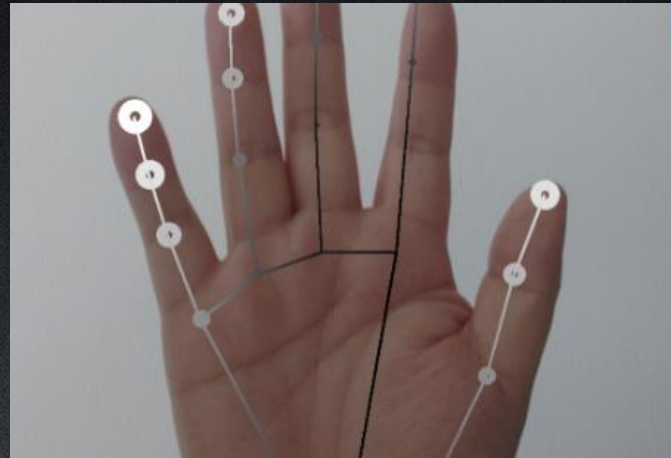
Intelligent data acquisition based on location



High precision track acquisition based on location



Intelligent interaction and mapping



Motion gesture tracking



Gesture recognition

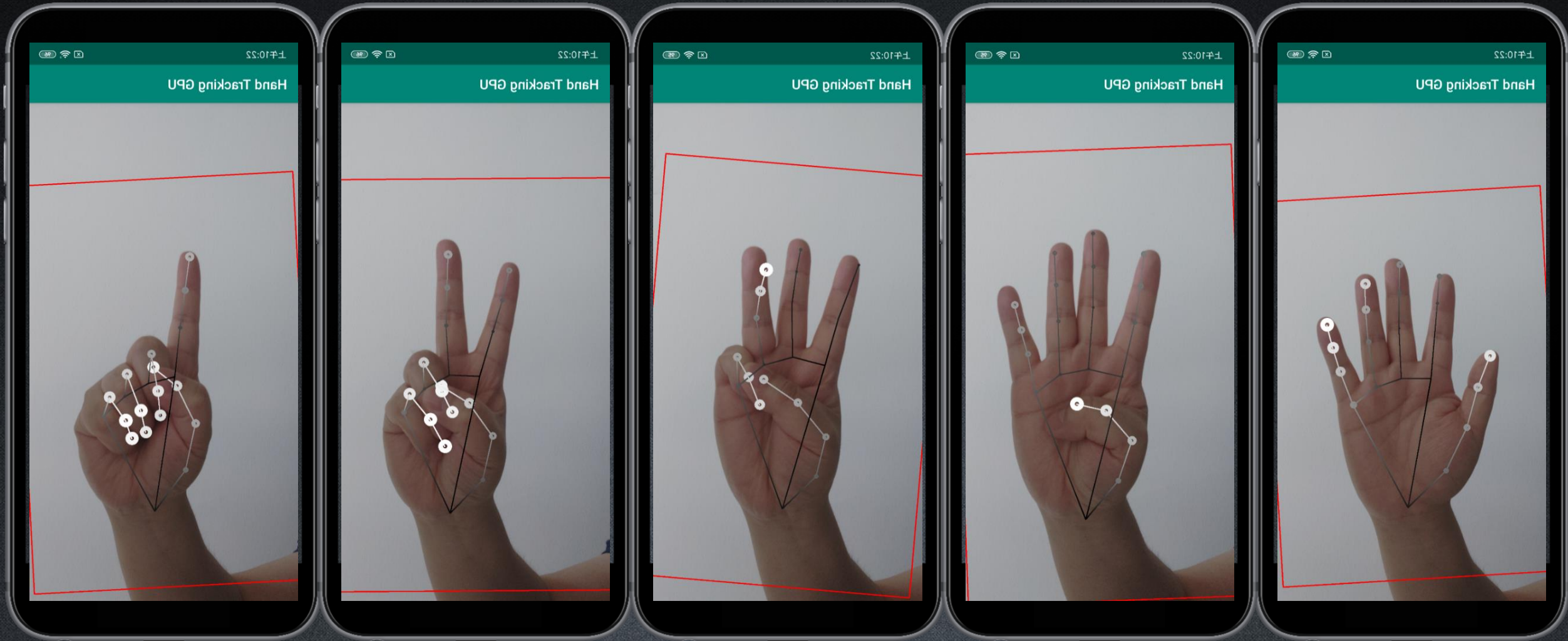


Intelligent voice control



AI figure captions

Motion gestures tracking





Gesture recognition, map interaction





数据



图幅



调绘



图层管理



工作统计



设置



设施农用地

分类码二大类 (0102)水浇地

种植属性

细化属性

备注信息



删除标记



新增标记



清空标记



拍照



保存

清空

Intelligent voice control
(input properties)



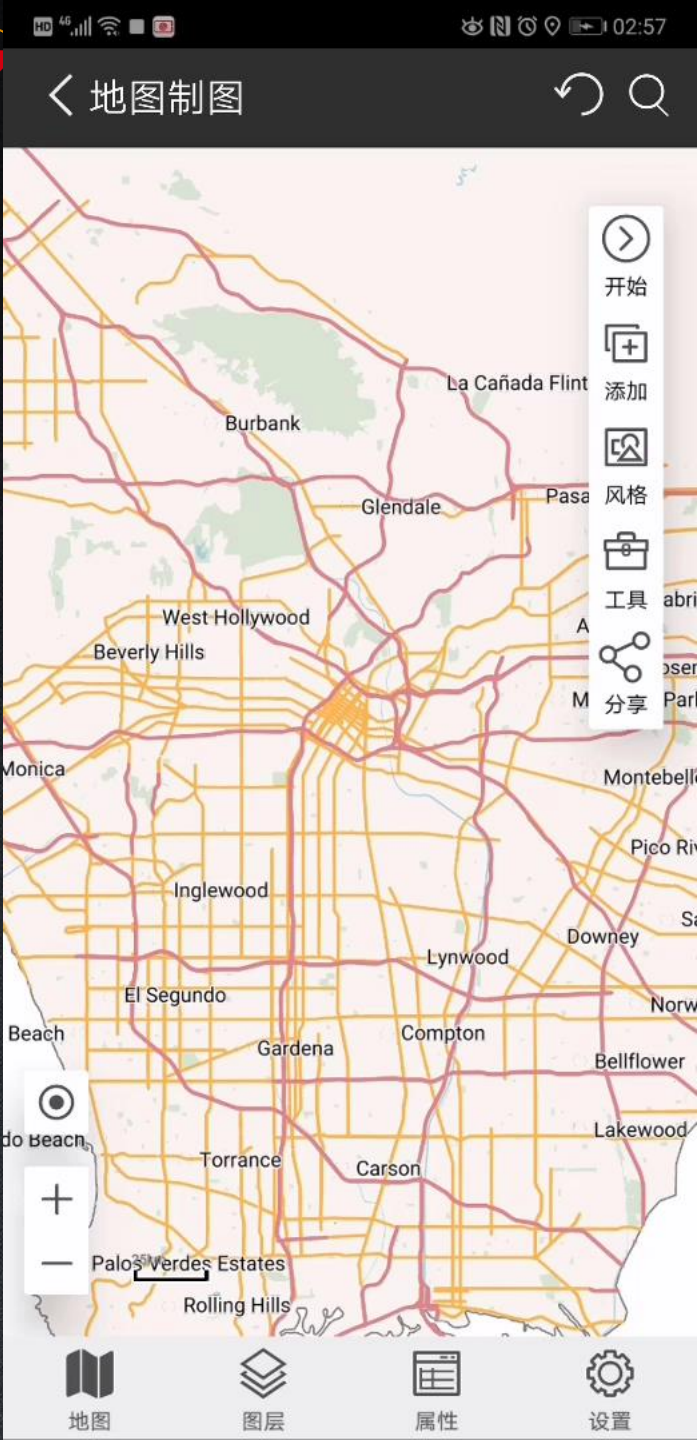
1:8502



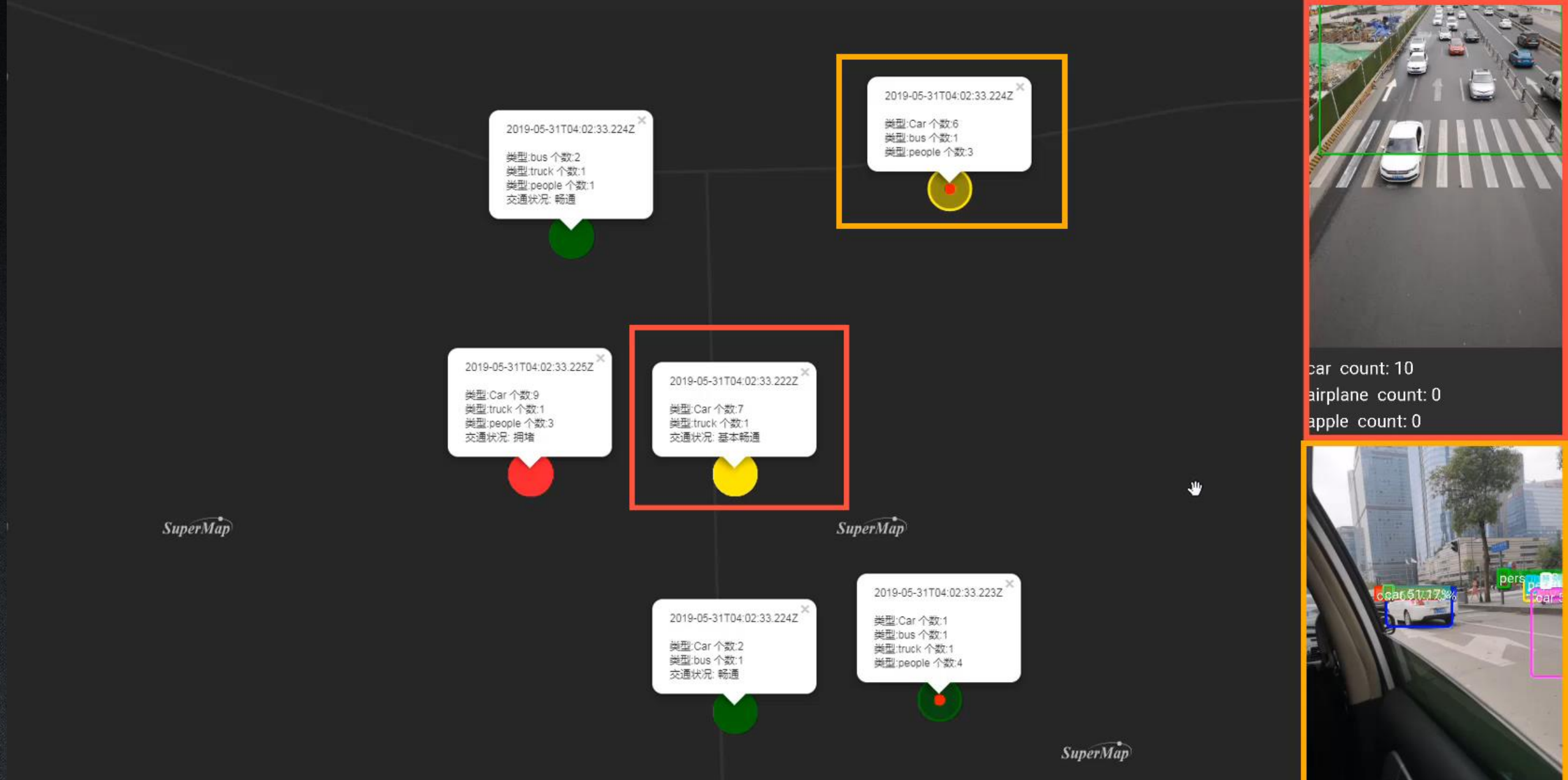
找地点、搜路线、导航



Intelligent voice control
(map operation)



AI figure captions

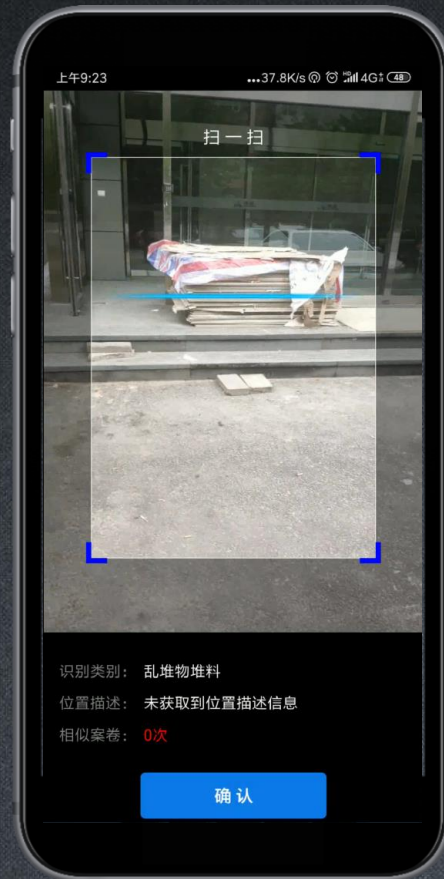
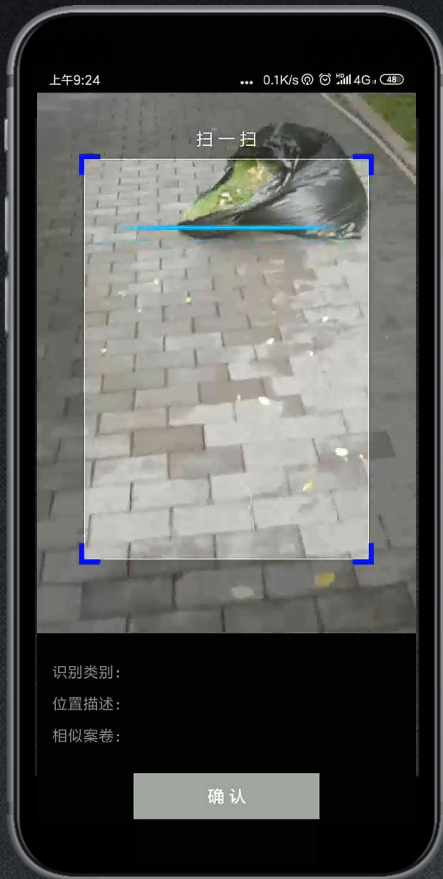


Mobile remote video projection connected with PC

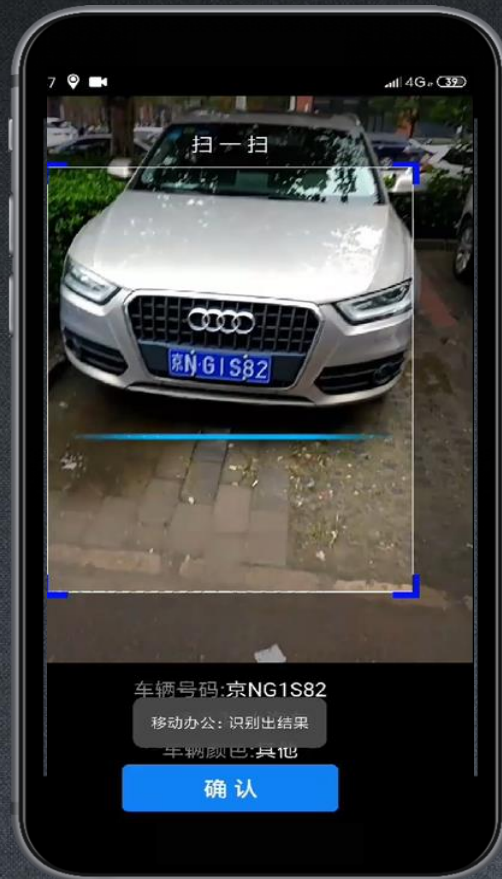


Cases

Mobile Smart Law Enforcement



Smart City BG Urban Grid Governance



Space-time integrated cloud platform - Mobile municipal management



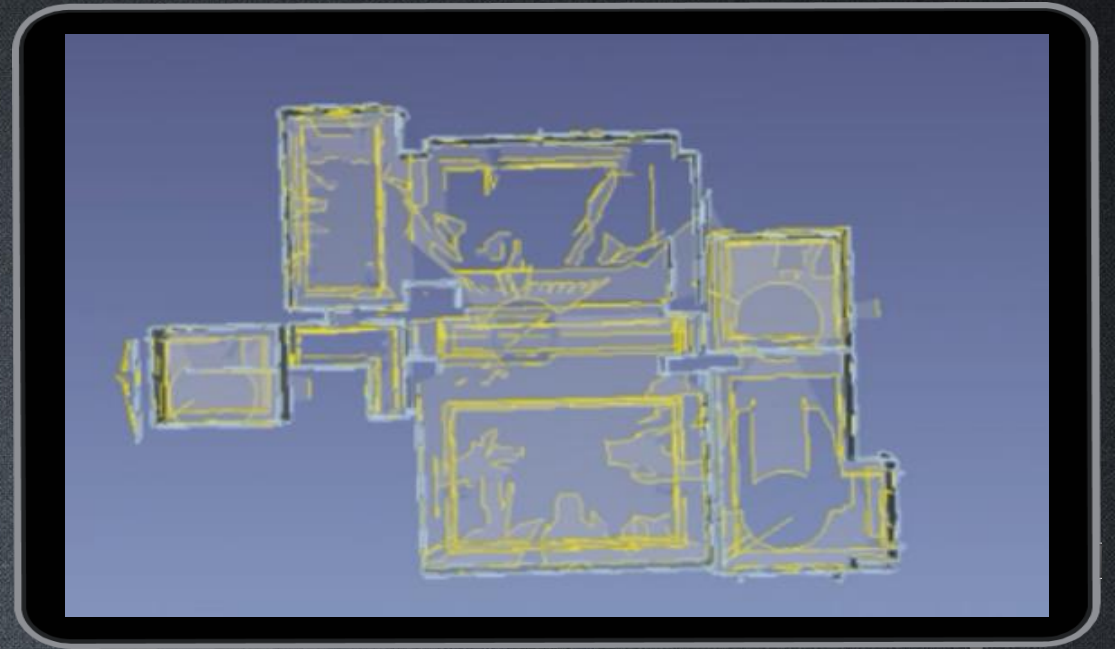
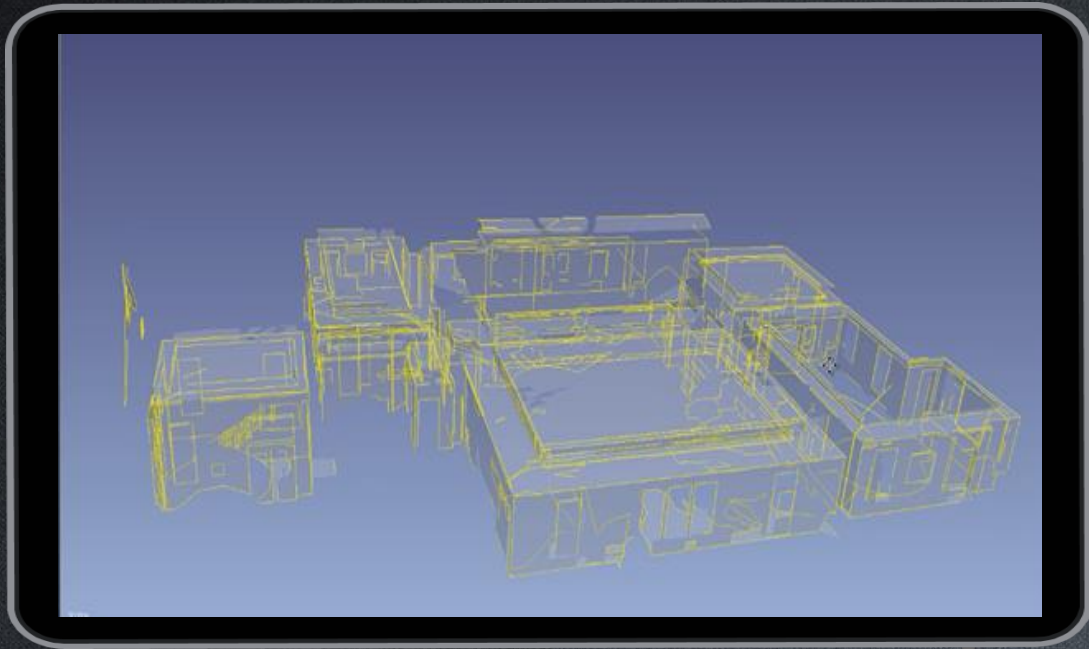
AR intelligent public safety system



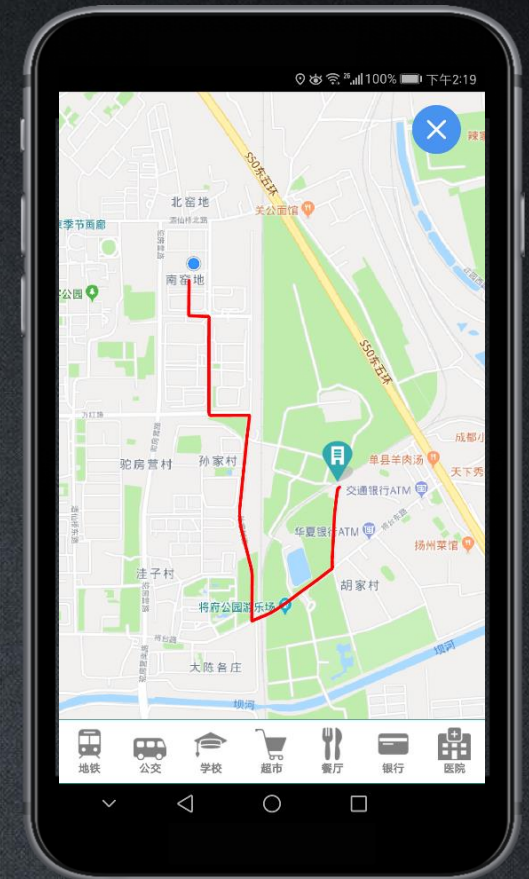
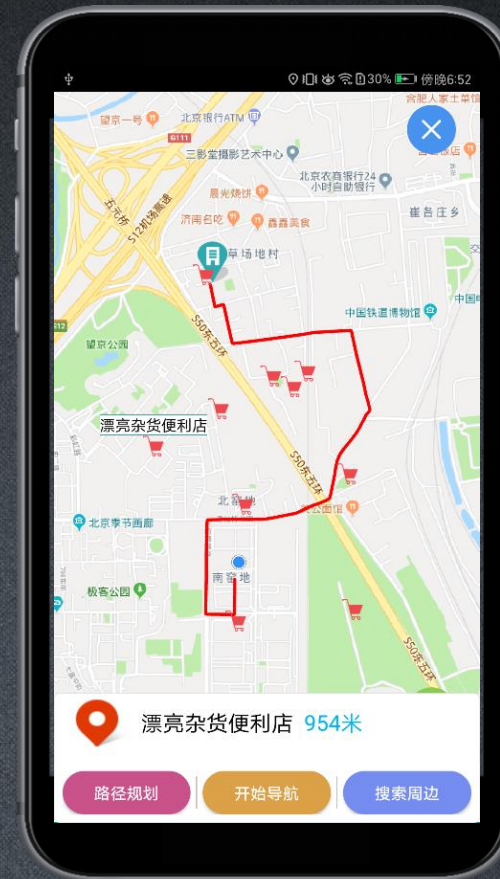
Chinese Academy of Sciences indoor emergency rescue



Indoor and outdoor collection and mapping project (Vision + laser)



Smart tourism



EXPO indoor and outdoor AR navigation



Indoor AR navigation



Software Resources Download

Official website:

<https://www.supermap.com/en-us/html/down.html>

Mobile client:

App store platforms for major brands



Thank you ! !