



# TraffiClair Monthly Updates

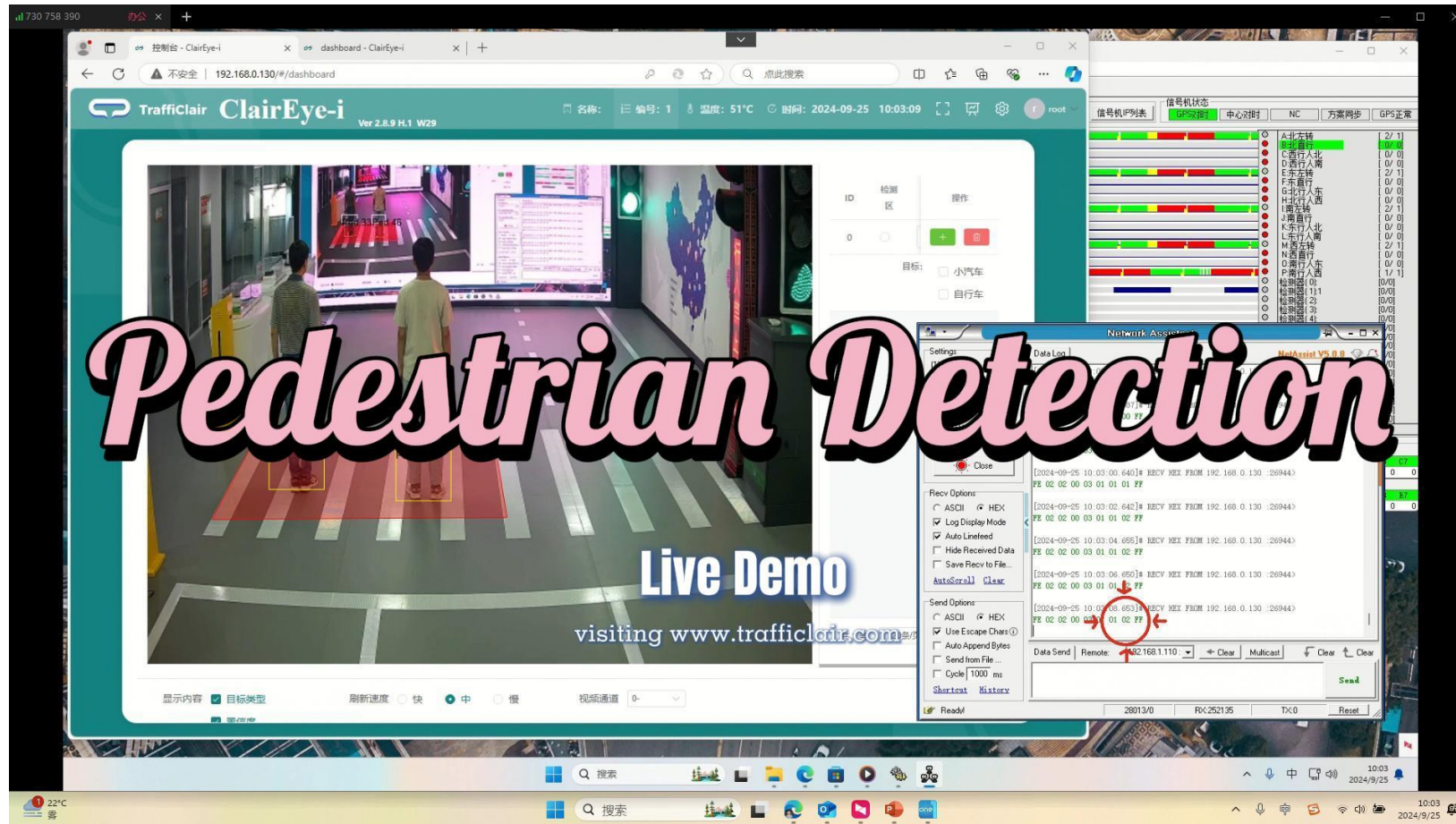
2024.10

Kevin Gu

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# Live Demo: ClairEye-I Pedestrian Detection



This live demo showcases the ClairEye-I AI video detector's capabilities in pedestrian detection. Our approach targets the detection zone at foot level, counting each instance when a pedestrian's feet enter this zone. This method significantly enhances detection accuracy, providing reliable data on pedestrian presence. Implementing ClairEye-I at crossings can greatly improve safety measures for vulnerable road users, ensuring more effective monitoring and protection.

[View full video on Youtube](#)

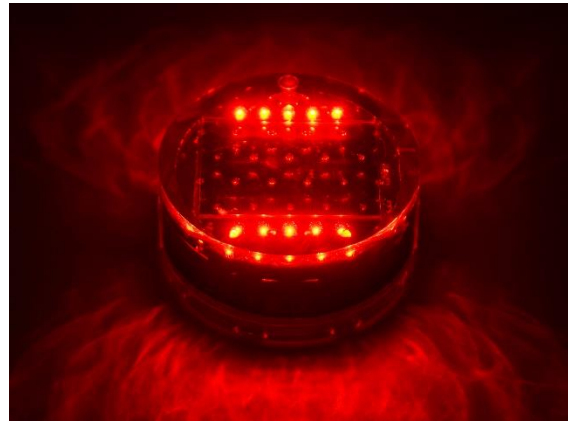
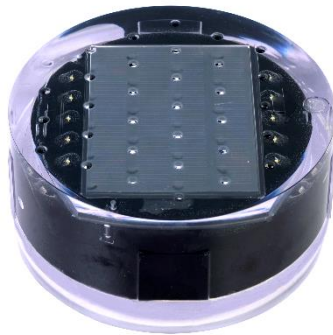
[Product webpage](#)

# New Product Release: ClairSRS Smart Road Studs

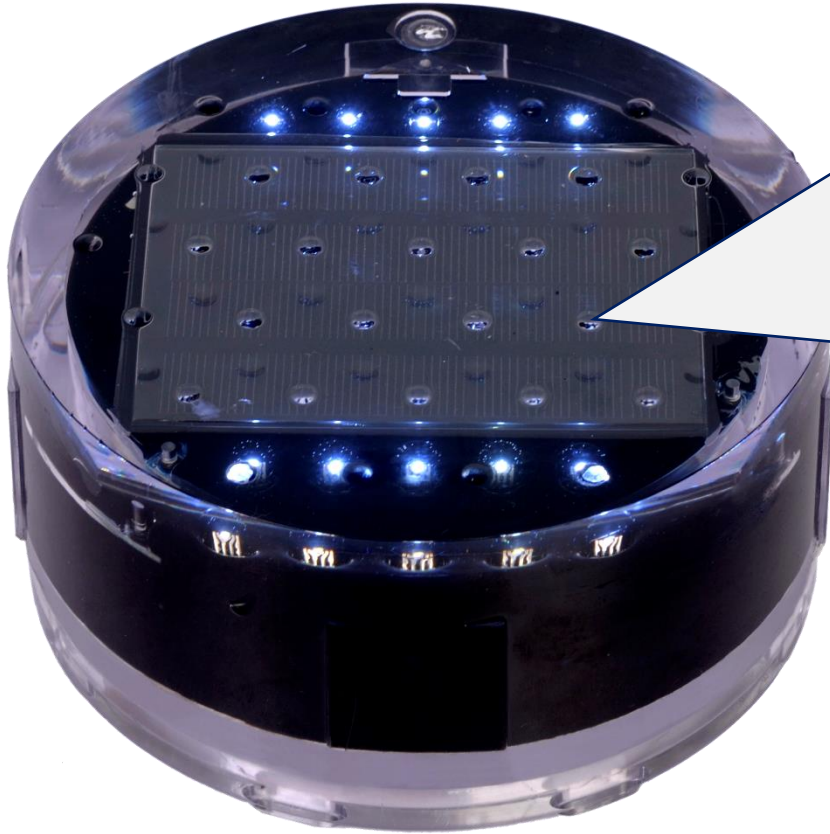
Solar-powered



Wired-powered



# Solar Power Supply



**Solar-powered studs**

- Solar-powered with a solar panel power of  $\geq 1.1\text{W}$ .
- Battery: Lithium iron phosphate battery
- Battery Voltage: DC 3.2V
- Battery Capacity: 8000mAh
- Output – full charge: Up to 720 working hours with no solar input.
- Time to full charge: Time to full charge 69hrs @100klux (sunny day)



**Solar-powered controller**

[Product webpage](#)

[Datasheet](#)

[Presentation](#)

# Geomagnetic Sensing



The road stud is equipped with a built-in geomagnetic sensor that detects the approach and departure of vehicles. It collects various traffic parameters such as vehicle speed, queue length, and occupancy, and can detect vehicle stops or reverse movements. The system triggers corresponding responses using different light colors and flashing frequencies, enabling functions such as warnings, guidance, or traffic diversion.

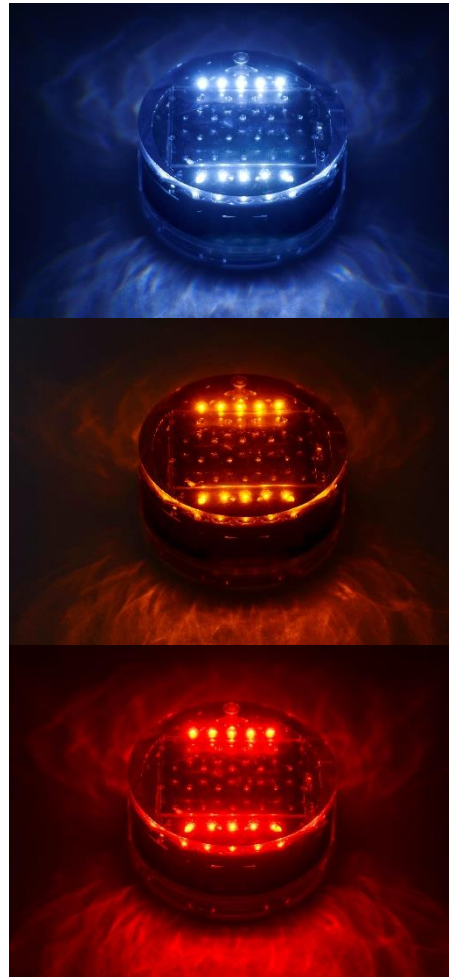
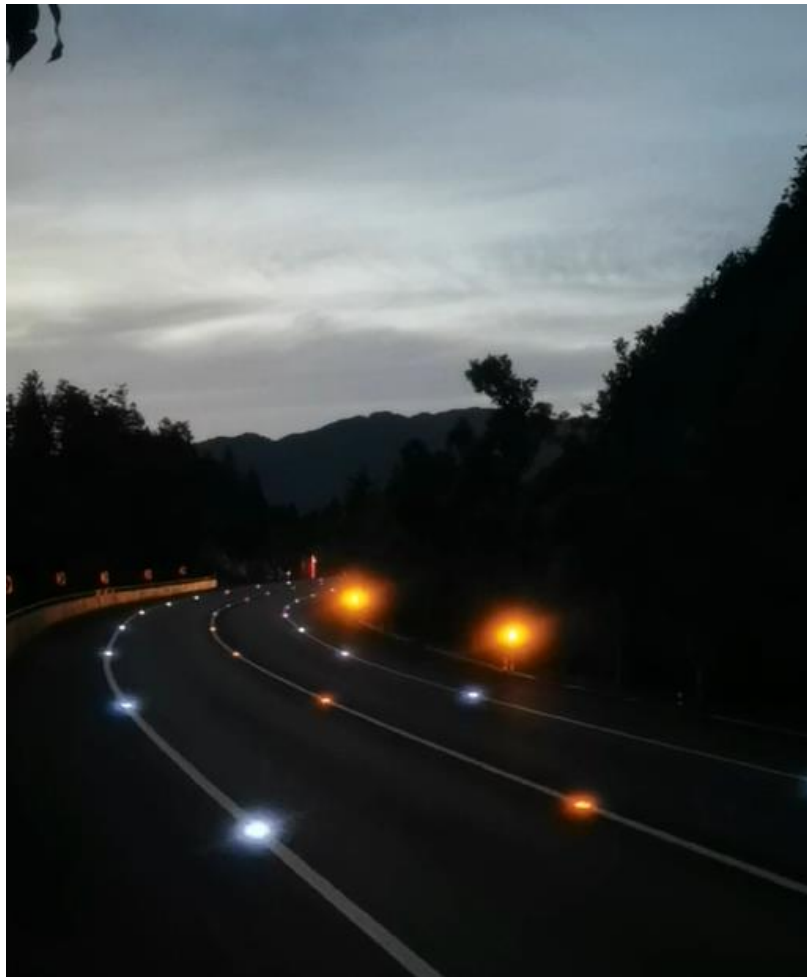
- Detection Method: Multi-axis detection
- Sensitivity: Multi-level adjustable
- Data Types: Speed, queue length, occupancy, and detection of vehicle stops and reverse movements
- Wireless Power: Adjustable from 9 to 23 dBm
- Wireless Reception Sensitivity: -110 dBm

[Product webpage](#)

[Datasheet](#)

[Presentation](#)

# Ultra-bright LED Beads



- **LED Light Intensity:**
  - - **Red: 12,000 to 15,000 mcd**
  - - **White: 13,000 to 16,000 mcd**
  - - **Yellow: 8,000 to 10,000 mcd**
- LED Emission Direction: Bi-directional
- LED Size: Diameter 8mm

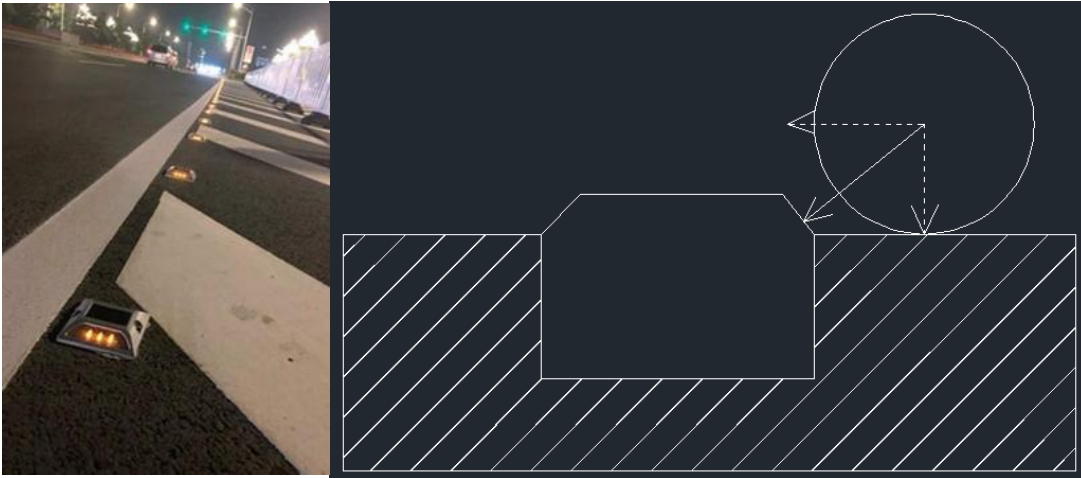
The device features ultra bright LED lights that can actively emit light in low visibility conditions or at night, enhancing road visibility and driving safety. Even during the day, the LEDs provide effective road guidance and information dissemination.

[Product webpage](#)

[Datasheet](#)

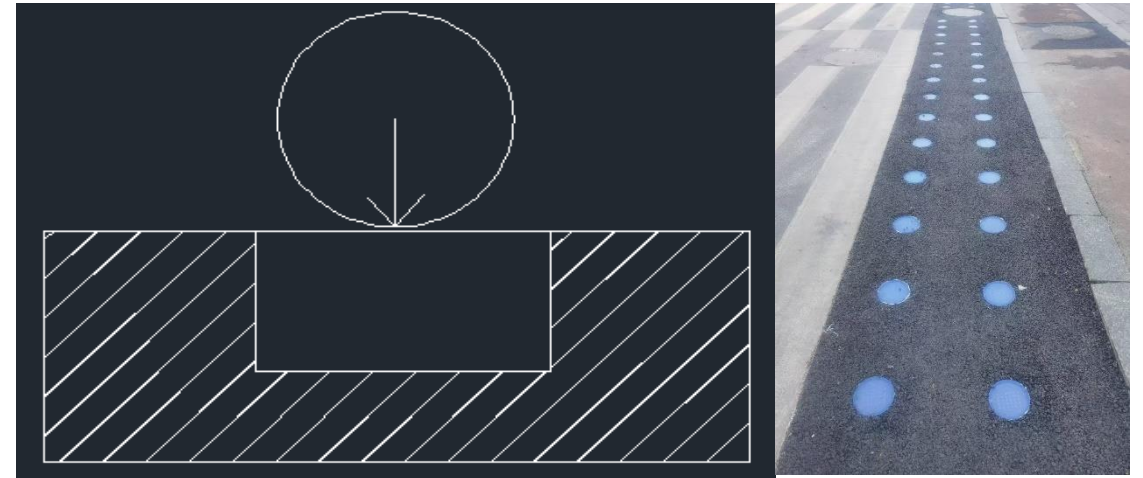
[Presentation](#)

# Flush Ground Installation



## Other Studs: Raised Road Studs

- Impact to the studs, increased failure rate.
- Damage from cleaning vehicles such as snowplow.
- Raised legal disputes with damage to pedestrians and non-motorized vehicles.



## ClairSRS: Flush Ground Studs

- No extra impact to the studs, enable a long-term life span.
- No damage from cleaning vehicles such as snowplow, and no damage to the cleaning vehicles as well.
- No damage to pedestrians and non-motorized vehicles.
- Patent two-stage light refraction design ensures good visibility for drivers without protrude above the surface of the road

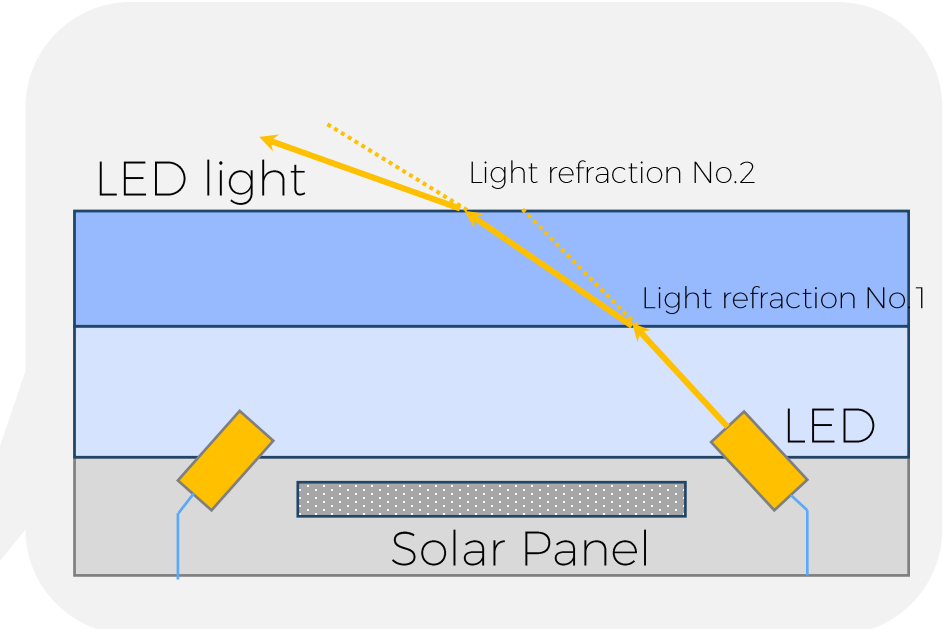
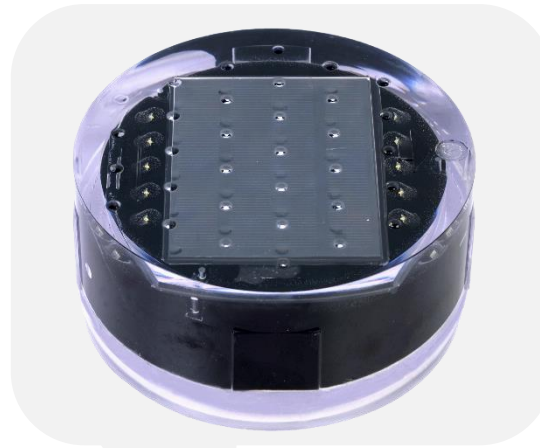
[Product webpage](#)

[Datasheet](#)

[Presentation](#)

# Two-stage Light Refraction

The patented design featuring a two-stage light refraction function allows the LED lamp beads of the road stud to not protrude above the road surface while still achieving excellent long-distance visibility. The surface of the road stud is flush with the ground, not affecting the normal operation of snowplows.

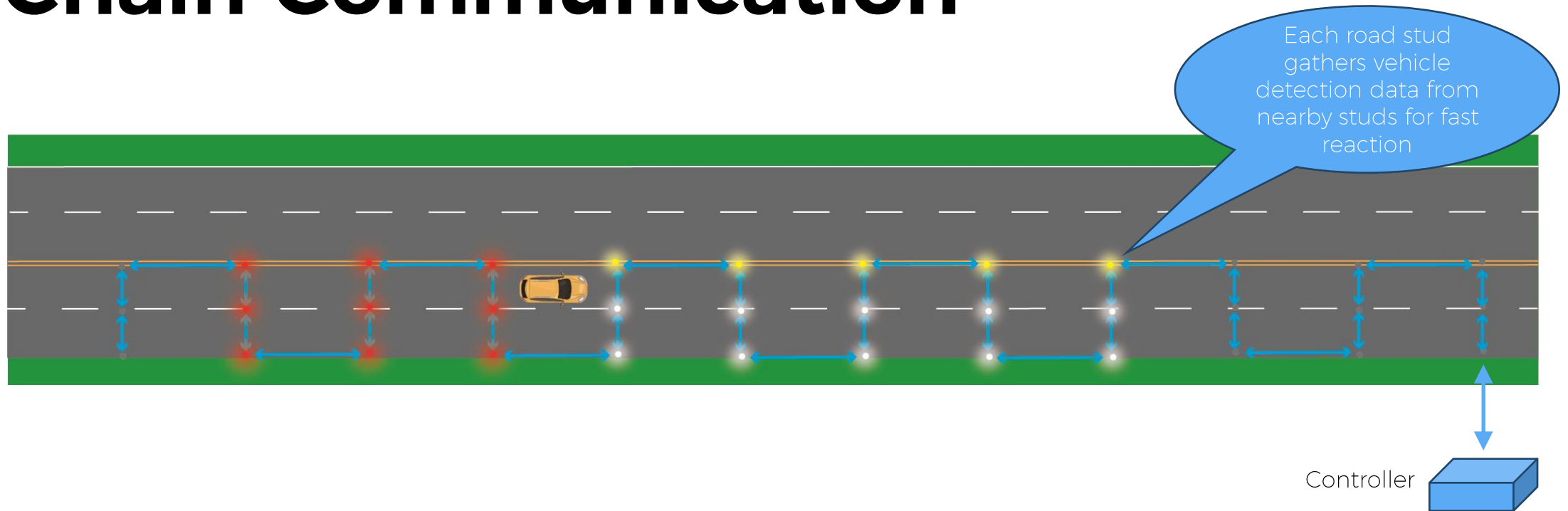


[Product webpage](#)

[Datasheet](#)

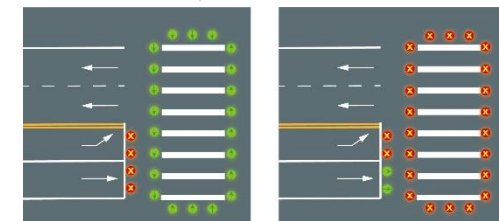
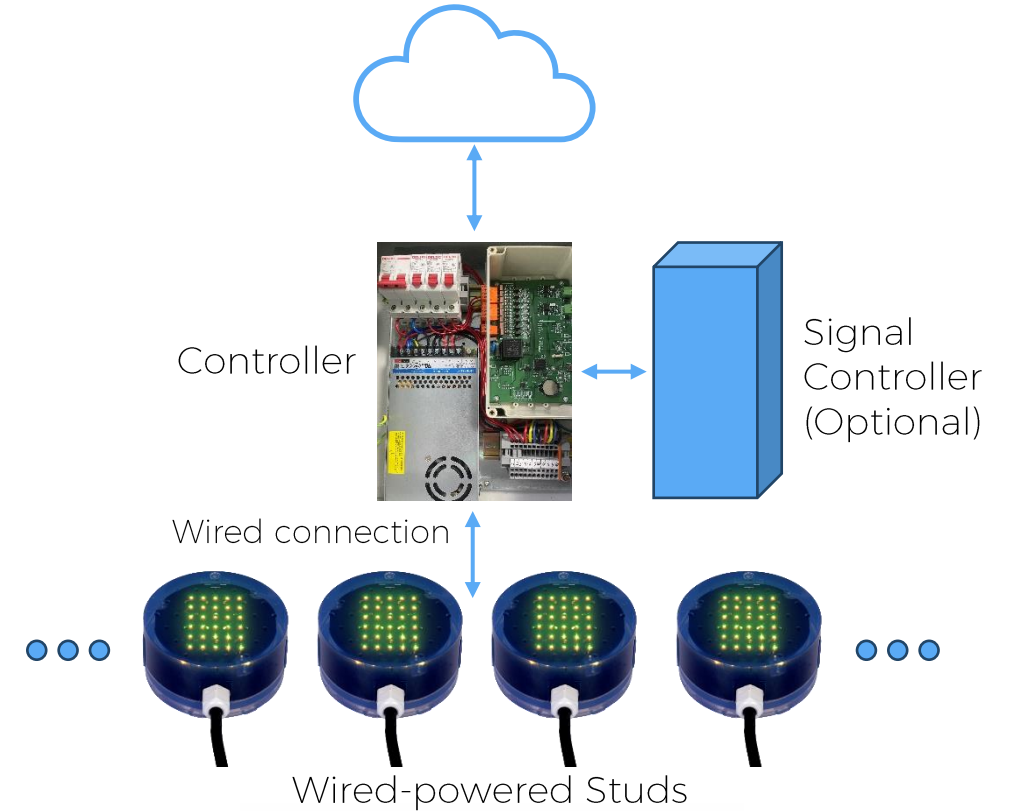
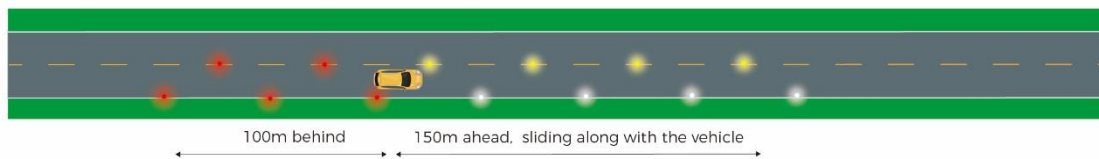
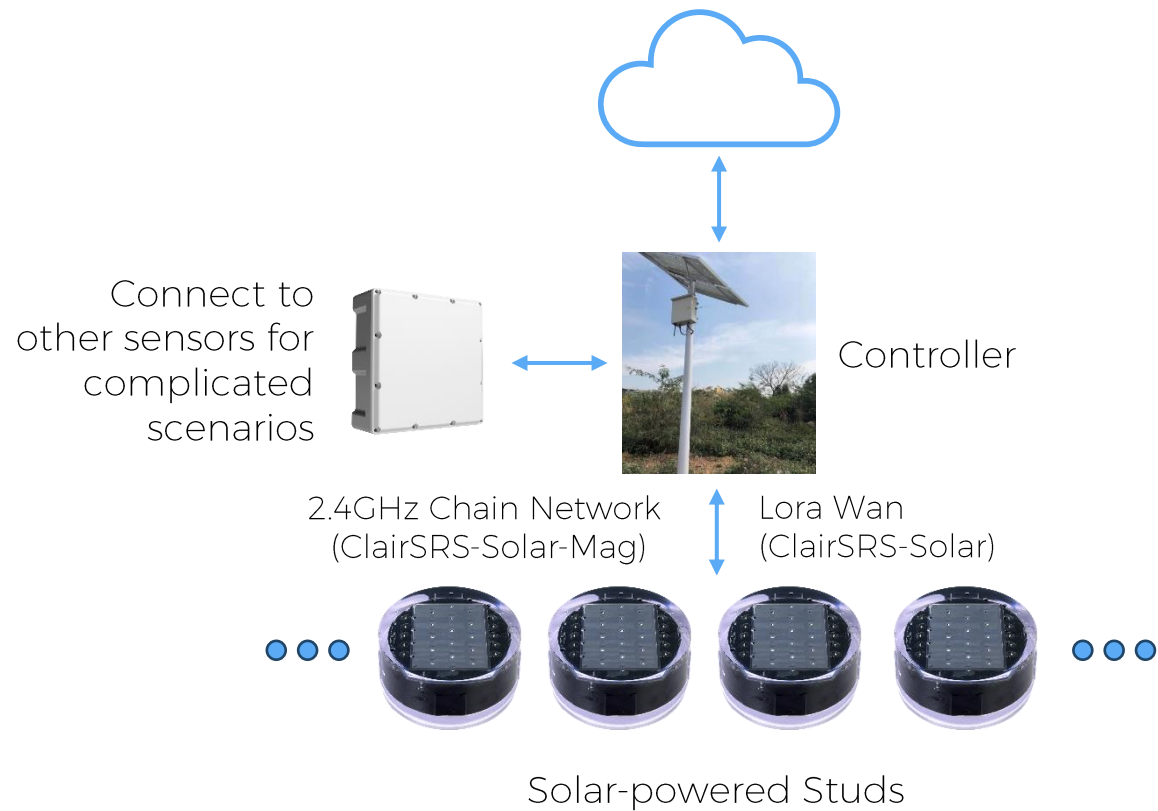
[Presentation](#)

# Chain Communication

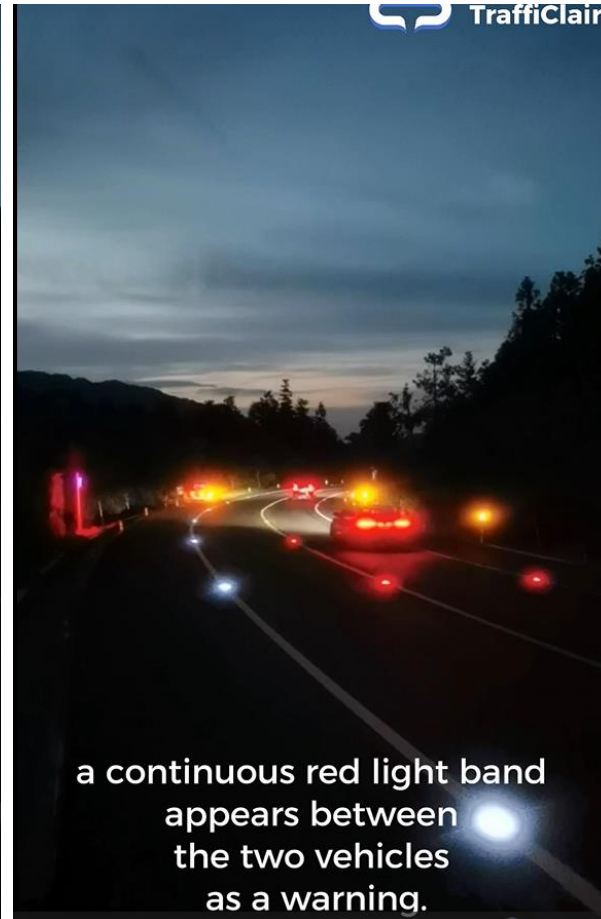
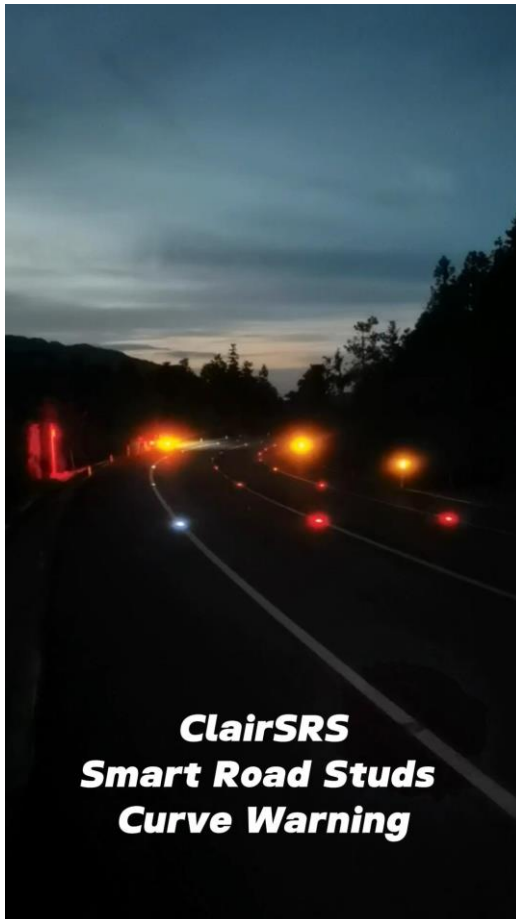


- Based on 2.4GHz frequency wireless Communication.
- Each road stud gathers vehicle detection data from nearby studs and makes decisions on response strategies. **This distributed decision-making and low-latency communication system** eliminates network congestion issues typical of traditional communication methods, ensuring seamless light warning and vehicle-following effects even at high speeds

# System Architecture



# ClairSRS Live Demo: Vehicle Following Warning



ClairSRS Solar Mag is a solar-powered smart road stud with a built-in geomagnetic sensor, capable of detecting the speed and movement of passing vehicles and triggering corresponding response mechanisms. It utilizes various light colors and flashing frequencies to provide different signaling functions such as warnings, guidance, or traffic diversion.

[View full video on Youtube](#)

[Product webpage](#)

# ClairSRS Live Demo: Vehicle Following Effect

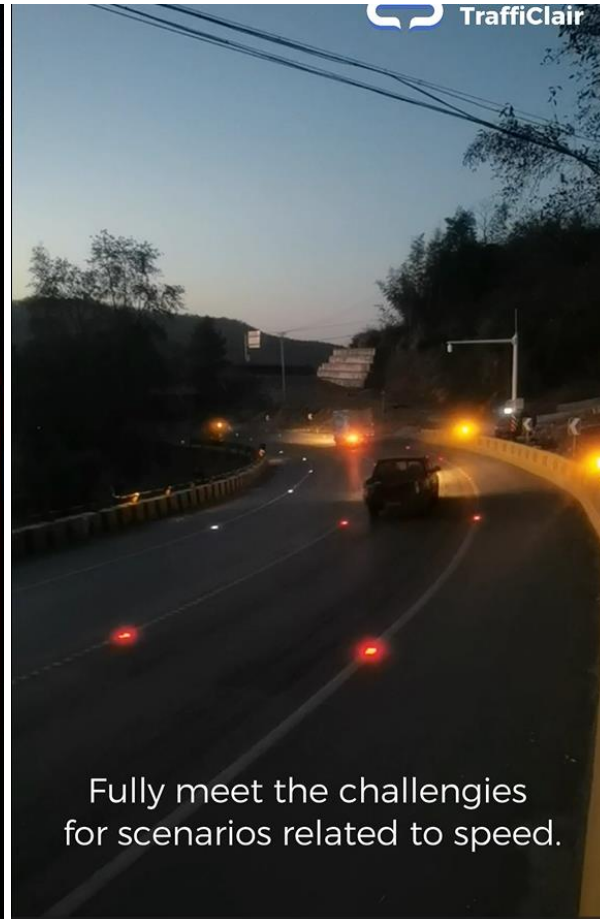
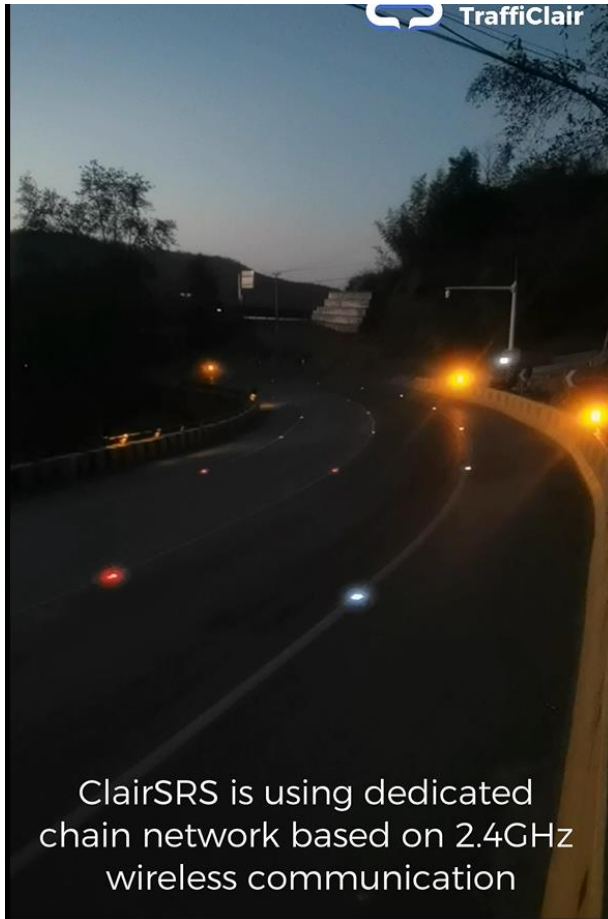


In foggy areas, highways during fog, curves, and other poor visibility sections, as well as at night, the ClairSRS smart road studs provide lane line delineation, single-vehicle sliding guidance, and multi-vehicle following alerts. Yellow (or white) lights illuminate within a specified range in front of the vehicle, while red lights illuminate within a specified range behind the vehicle, moving with the vehicle. These studs enhance road visibility and safety, particularly at night, during adverse weather, or in complex road conditions, helping to reduce traffic accidents and improve road efficiency.

[\*\*View full video on Youtube\*\*](#)

[Product webpage](#)

# ClairSRS Live Demo: Chain network for fast response



ClairSRS Solar Mag is adopting a dedicated chain communication based on 2.4GHz wireless communication. Each road stud gathers vehicle detection data from nearby studs and makes decisions on response strategies. This distributed decision-making and low-latency communication system eliminates network congestion issues typical of traditional communication methods, ensuring seamless light warning and vehicle-following effects even at high speeds.

[View full video on Youtube](#)

[Product webpage](#)

# ClairSRS Live Demo: Emergency Lane Parking Alerts



In this live demo, we used radar technology to detect the presence of vehicles in the emergency parking lane. When a vehicle is detected, the smart road studs turn yellow to alert approaching drivers to be cautious. Once the vehicle leaves, the studs turn red, warning drivers of a potential hazard ahead. This system greatly improves safety on highways, especially at night or during foggy conditions with limited visibility, by providing real-time alerts to reduce the risk of accidents in the emergency lane.

[\*\*View full video on Youtube\*\*](#)

[Product webpage](#)

# ClairSRS Live Demo: Smart Crosswalk System



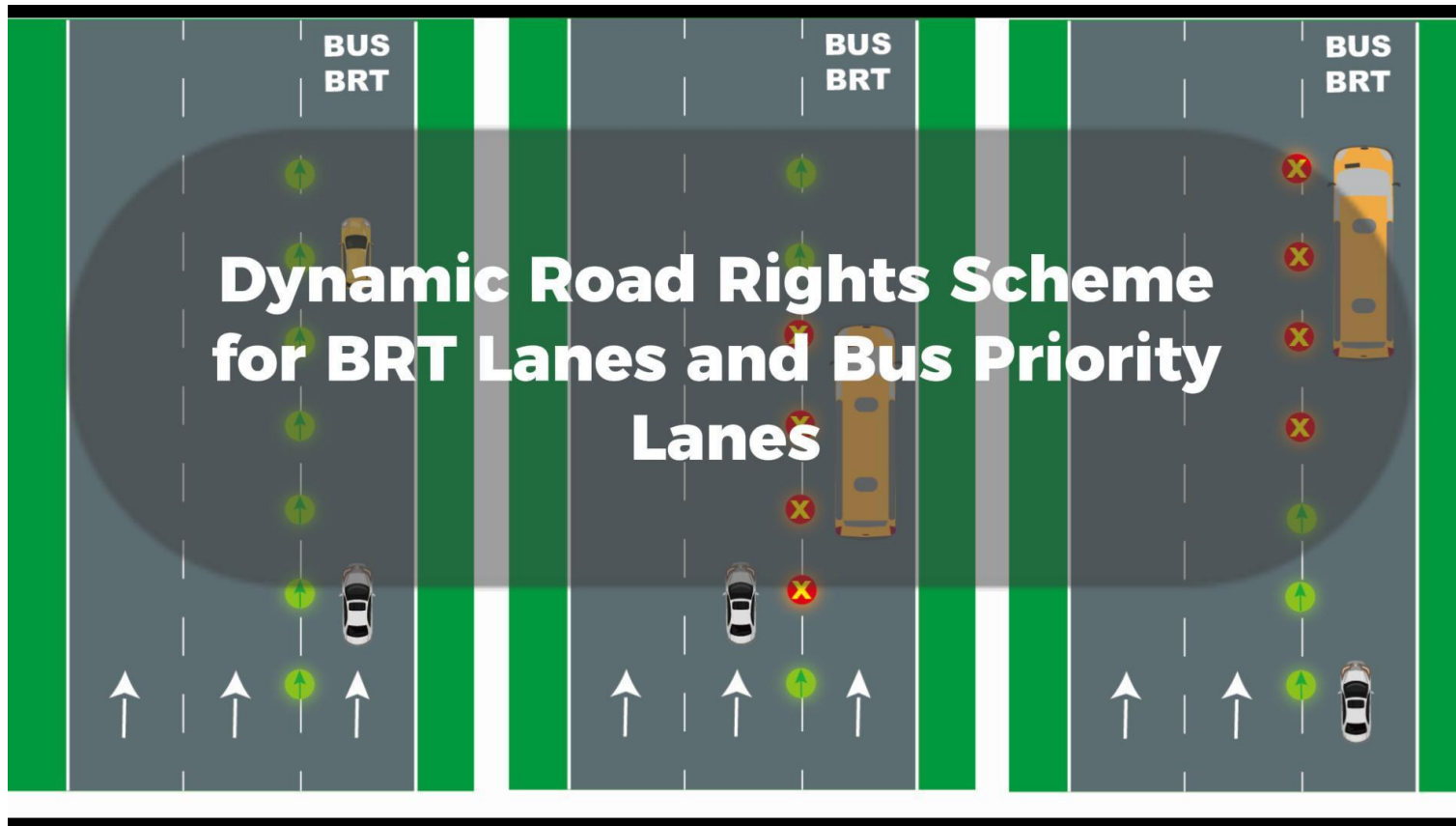
The smart crosswalk system is integrated into the traffic signal control system. The smart road studs will work in sync with the traffic lights to enhance the effectiveness of traffic signals, reminding both drivers and pedestrians to follow their respective phases for safe passage. In the event of jaywalking by pedestrians or non-motorized vehicles, the camera system will intelligently detect the crossing pedestrians or vehicles and immediately trigger changes in the smart road studs to alert traffic participants, ensuring pedestrian safety.

Features a 5x6 matrix of LED beads capable of displaying signs such as straight, stop, and no entry. With a patented dual-stage light refraction design, the LED beads of the road stud do not need to protrude above the road surface while still achieving excellent long-distance visibility.

[View full video on Youtube](#)

[Product webpage](#)

# ClairSRS Live Demo: Dynamic Road Rights



The smart road stud system for bus priority lanes allows general vehicles to use these lanes while ensuring that BRT/bus vehicles retain priority. This approach maximizes road resource utilization, alleviates traffic pressure, and enhances public transport reliability.

- When No Special Vehicles are Present: The road stud displays a green arrow that scrolls from bottom to top, indicating that general vehicles are permitted to use the BRT lane.
- When a Bus is Detected: The road stud activates a red "X" light within the detection range, prohibiting general vehicles from using the lane.
- Detection Range: The detection range of the road stud can be adjusted. If no bus is detected, the road stud continues to display the green arrow, allowing general vehicles to use the lane, thereby improving traffic flow and reducing congestion.

[View full video on Youtube](#)

[Product webpage](#)

# Certification Updates

## ClairEye-i



**COMPLIANCE**

**SGS**

**VERIFICATION OF COMPLIANCE**

Verification No.: KSEM240900242701ATC  
 Applicant: TrafficClair Technology Co., Ltd.  
 Address of Applicant: The 4th floor, Building No.4, Xiangshan South Road 105#, Shijingshan, Beijing  
 Manufacturer: TrafficClair Technology Co., Ltd.  
 Address of Manufacturer: The 4th floor, Building No.4, Xiangshan South Road 105#, Shijingshan, Beijing  
 Product Description: AI Traffic Video Detector  
 Model No.: ClairEye-i  
 Test Standards: EN 55032: 2015+A11:2020+A1:2020  
 EN 55035: 2017+A11:2020  
 EN 61000-3-3: 2013+ A1:2019+A2:2021  
 EN IEC 61000-3-2: 2019+A1:2021  
 KSEM240900242701

Test Report Number(s): KSEM240900242701

This Verification of EMC Compliance has been granted to the applicant based on the results of the tests, performed by laboratory of Compliance Certification Services (Kunshan) Inc. on the sample of the above-mentioned product in accordance with the provisions of the relevant specific standards under Directive 2014/53/EU. The CE mark can be used, under the responsibility of the manufacturer, after completion of an EU Declaration of Conformity and compliance with all relevant EU Directives.

*Terry Hou*  
 Terry Hou  
 Technical Manager  
 Compliance Certification Services (Kunshan) Inc.

Date: 2024-10-32

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Compliance Certification Services (Kunshan) Inc.  
 No.10 Weiye Rd, Development Zone, Kunshan, Jiangsu, China  
[info@sgs.com](mailto:info@sgs.com)  
 Member of the SGS Group (SGS SA)

CCS-VOC-F01/ Rev.2.0/ 2024-03-25  
 Page 1 of 1

**SGS**

**Compliance Certification Services (Kunshan) Inc.**  
 CCSEM-TRF-001 Rev. 02 Sep 01, 2023 Report No.: KSEM240900242701 Page: 1 of 79

**TEST REPORT**

Application No.: KSEM2409002427AT  
 Name of Testing Laboratory preparing the Report: Compliance Certification Services (Kunshan) Inc.  
 Address of Testing Laboratory preparing the Report: No.10 Weiye Rd, Innovation park, Eco&Tec, Development Zone, Kunshan City, Jiangsu, China  
 Applicant: TrafficClair Technology Co., Ltd.  
 Address of Applicant: The 4th floor, Building No.4, Xiangshan South Road 105#, Shijingshan, Beijing  
 Manufacturer: TrafficClair Technology Co., Ltd.  
 Address of Manufacturer: The 4th floor, Building No.4, Xiangshan South Road 105#, Shijingshan, Beijing  
 Factory: TrafficClair Technology Co., Ltd.  
 Address of Factory: The 4th floor, Building No.4, Xiangshan South Road 105#, Shijingshan, Beijing

Equipment Under Test (EUT):  
 EUT Name: AI Traffic Video Detector  
 Model No.: ClairEye-i  
 Trade Mark: TrafficClair  
 Standard(s): EN 55032: 2015+A11:2020+A1:2020  
 EN 55035: 2017+A11:2020  
 EN 61000-3-3: 2013+ A1:2019+A2:2021  
 EN IEC 61000-3-2: 2019+A1:2021  
 EN 55035: 2017+A11:2020  
 2024-09-18  
 2024-09-25 to 2024-10-04  
 2024-10-12

Date of Receipt:  
 Date of Test:  
 Date of Issue:

Test Result: Pass\*

\* In the configuration tested, the EUT complied with the standards specified above.

**CE**

EN 55032: 2015+A11:2020+A1:2020  
 EN 55035: 2017+A11:2020  
 EN 61000-3-3: 2013+A1:2019+A2:2021  
 EN IEC 61000-3-2: 2019+A1:2021

**COMPLIANCE**

**SGS**

**VERIFICATION OF COMPLIANCE**

This Verification of Compliance is granted to below applicant for following designated equipment

Verification No.: KSEM240900242801ATC  
 Applicant: TrafficClair Technology Co., Ltd.  
 Address of Applicant: The 4th floor, Building No.4, Xiangshan South Road 105#, Shijingshan, Beijing  
 Manufacturer: TrafficClair Technology Co., Ltd.  
 Address of Manufacturer: The 4th floor, Building No.4, Xiangshan South Road 105#, Shijingshan, Beijing  
 Product Description: AI Traffic Video Detector  
 Model No.: ClairEye-i  
 Test Report Number(s): KSEM240900242801

Based on tests conducted by Compliance Certification Services (Kunshan) Inc. on submitted samples of above mentioned product and found to comply with the technical requirements set out in ANSI C63.4 & 47 CFR PART 15B regulations for the evaluation of electromagnetic compatibility.

Please note:  
 (1) Applicant and/or manufacturer shall fully fulfill FCC SDoC authorization procedure set out in 47 CFR §2.906, §2.909, §2.925, §2.1074, §2.1077.  
 (2) Applicant and/or manufacturer shall comply additional requirements set out in §15.21, §15.105 and §15.19 to fully comply regulation 47 CFR Part 15.  
 (3) This VoC is ONLY a conclusion of test result, ONLY serves as technical specifications compliance verification for aforementioned product from SGS Lab.  
 (4) This verification is only valid for the equipment and configuration described, in conjunction with the test report detailed above.

*Terry Hou*  
 Terry Hou  
 Technical Manager  
 Compliance Certification Services (Kunshan) Inc.

Date: 2024-10-32

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 Page 1 of 1

**SGS**

**Compliance Certification Services (Kunshan) Inc.**  
 CCSEM-TRF-001 Rev. 02 Sep 01, 2023 Report No.: KSEM240900242801 Page: 1 of 35

**TEST REPORT**

Application No.: KSEM2409002428AT  
 Name of Testing Laboratory preparing the Report: Compliance Certification Services (Kunshan) Inc.  
 Address of Testing Laboratory preparing the Report: No.10 Weiye Rd, Innovation park, Eco&Tec, Development Zone, Kunshan City, Jiangsu, China  
 Applicant: TrafficClair Technology Co., Ltd.  
 Address of Applicant: The 4th floor, Building No.4, Xiangshan South Road 105#, Shijingshan, Beijing  
 Manufacturer: TrafficClair Technology Co., Ltd.  
 Address of Manufacturer: The 4th floor, Building No.4, Xiangshan South Road 105#, Shijingshan, Beijing  
 Factory: TrafficClair Technology Co., Ltd.  
 Address of Factory: The 4th floor, Building No.4, Xiangshan South Road 105#, Shijingshan, Beijing

Equipment Under Test (EUT):  
 EUT Name: AI Traffic Video Detector  
 Model No.: ClairEye-i  
 Trade Mark: TrafficClair  
 Standard(s): 47 CFR Part 15, Subpart B  
 Date of Receipt: 2024-09-18  
 Date of Test: 2024-09-25 to 2024-10-04  
 Date of Issue: 2024-10-12

Test Result: Pass\*

\* In the configuration tested, the EUT complied with the standards specified above.

**FCC**

47 CFR Part 15, Subpart B

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CCS-VOC-F03/ Rev.2.0/ 2024-03-25  
 Page 1 of 1

# Certification Updates

## ClairEye-V



**COMPLIANCE**

**SGS**

**VERIFICATION OF COMPLIANCE**

Verification No.: KSEM240800218501ATC  
 Applicant: TraffiClair Technology Co., Ltd.  
 Address of Applicant: The 4th floor, Building No.4, Xiangshan South Road 105#, Shijingshan, Beijing, Beijing, China  
 Manufacturer: TraffiClair Technology Co., Ltd.  
 Address of Manufacturer: The 4th floor, Building No.4, Xiangshan South Road 105#, Shijingshan, Beijing, Beijing, China  
 Product Description: AI Traffic Video Detector  
 Model No.: ClairEye-V  
 Test Standards: EN 55032: 2015+A11:2020+A1:2020  
 EN 55035: 2017+A11:2020  
 EN 61000-3-3: 2013+ A1:2019+A2:2021  
 EN IEC 61000-3-2: 2019+A1:2021  
 Test Report Number(s): KSEM240800218501

This Verification of EMC Compliance has been granted to the applicant based on the results of the tests, performed by laboratory of Compliance Certification Services (Kunshan) Inc. on the sample of the above-mentioned product in accordance with the provisions of the relevant specific standards under Directive 2014/53/EU. The CE mark can be used, under the responsibility of the manufacturer, after completion of an EU Declaration of Conformity and compliance with all relevant EU Directives.

*Terry Hou*  
 Terry Hou  
 Technical Manager  
 Compliance Certification Services (Kunshan) Inc.  
 Date: 2024-09-08

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 CCG-VOC-F01/ Rev.2.0/ 2024-03-25  
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**SGS**

**Compliance Certification Services (Kunshan) Inc.**  
 CCGEM-TRF-001 Rev. 02 Sep 01, 2023  
 Report No.: KSEM240800218501  
 Page: 1 of 57

**TEST REPORT**

Application No.: KSEM2408002185AT  
 Applicant: TraffiClair Technology Co., Ltd.  
 Address of Applicant: The 4th floor, Building No.4, Xiangshan South Road 105#, Shijingshan, Beijing, Beijing, China  
 Manufacturer: TraffiClair Technology Co., Ltd.  
 Address of Manufacturer: The 4th floor, Building No.4, Xiangshan South Road 105#, Shijingshan, Beijing, Beijing, China  
 Factory: TraffiClair Technology Co., Ltd.  
 Address of Factory: The 4th floor, Building No.4, Xiangshan South Road 105#, Shijingshan, Beijing, Beijing, China

**Equipment Under Test (EUT):**  
 EUT Name: AI Traffic Video Detector  
 Model No.: ClairEye-V  
 Trade Mark: TraffiClair  
 Standard(s): EN 55032: 2015+A11:2020+A1:2020  
 EN 61000-3-3: 2013+ A1:2019+A2:2021  
 EN IEC 61000-3-2: 2019+A1:2021  
 EN 55035: 2017+A11:2020

Date of Receipt: 2024-08-23  
 Date of Test: 2024-08-29 to 2024-09-04  
 Date of Issue: 2024-09-08

|              |       |
|--------------|-------|
| Test Result: | Pass* |
|--------------|-------|

\* In the configuration tested, the EUT complied with the standards specified above.

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Unless otherwise stated the results shown in the test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

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### CE

EN 55032: 2015+A11:2020+A1:2020  
 EN 55035: 2017+A11:2020  
 EN 61000-3-3: 2013+A1:2019+A2:2021  
 EN IEC 61000-3-2: 2019+A1:2021



# Certification Updates

## ClairWav-T24LC/T24L/T24SC/T24S/U24

**SGS**

Report No.: SHES24100202271  
Date of issue: 2024-10-18

**TEST REPORT**

Product: Microwave Radar Traffic Detector

Trademark:  **TraffiClair**

Model No.: ClairWav-T24LC, ClairWav-T24L, ClairWav-T24S, ClairWav-T24SC, ClairWav-U24

Applicant: TraffiClair Technology Co., Ltd.

Address: The 4th floor, Building No.4, Xiangshan South Road 105#, Shijingshan, Beijing, China

Manufacturer: TraffiClair Technology Co., Ltd.

Address: The 4th floor, Building No.4, Xiangshan South Road 105#, Shijingshan, Beijing, China

Factory: TraffiClair Technology Co., Ltd.

Address: The 4th floor, Building No.4, Xiangshan South Road 105#, Shijingshan, Beijing, China

Testing Laboratory: SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.

Address: 588 West Jinlu Road, Xinqiao, Songjiang 201612, Shanghai, China

Number of Samples received: 2

Date of samples reception: 2024-10-08

Date Test Conducted: 2024-10-08 to 2024-10-14

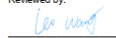
Test Requested: IP67 (as client's requirement)

Test Method (standards): According to client's requirement and refer to IEC 60529:1989 + A1:1999 + A2:2013 / EN 60529:1991 + A1:2000 + A2:2013 clause 13.6 & 14.2.7

Test result: Pass

CONCLUSION: The submitted sample comply with the requirements of IP67

Prepared and checked by:  Emilien Li  
Project Engineer

Reviewed by:  Leo Wang  
Reviewer

Page 1 of 7

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Member of the SGS Group (SGS SA)  
TRF No. EEC\_EIC & EN 60529 A

**IP67**

IEC 60529:1989+A1:1999+A2:2013  
EN 60529:1991+A1:2000+A2:2013  
clause 12.6 & 14.2.7

**SGS**

**VERIFICATION OF COMPLIANCE**

No.: GPSD SUES2408001312AT

Applicant: TraffiClair Technology Co., Ltd.  
The 4th floor, Building No.4, Xiangshan South Road 105#, Shijingshan, Beijing, China

Manufacturer: TraffiClair Technology Co., Ltd.  
The 4th floor, Building No.4, Xiangshan South Road 105#, Shijingshan, Beijing, China

Product Name: Microwave Radar Traffic Detector

Model No.: ClairWav-T24LC, ClairWav-T24L, ClairWav-T24S, ClairWav-T24SC, ClairWav-U24

Trade Mark:  **TraffiClair**

Rating: 24 V d.c., 1.0 A Max

Protection against Electric Shock: Class III

Degree of Protection: IP67

Additional Information (if any): None

Sufficient samples of the product have been tested and found to be in conformity with EN 61010-1:2010+A1:2019

Test Standard: as shown in the

Test Report Number(s): SUES240800131201

This Verification of Compliance has been granted to the applicant based on the results of tests performed by Laboratory of SGS-CSTC Standards Technical Services Co., Ltd. on sample of the above-mentioned product in accordance with the provisions of the relevant specific standards and the General Product Safety Directive 2001/95/EC.

 **SGS**

Dan... Technical Manager

2024-10-30

SGS-CSTC Standards Technical Services Co., Ltd.

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TRF No. EEC\_EIC & EN 60529 A

**SGS**

**TEST REPORT**  
IEC 61010-1  
Safety requirements for electrical equipment for measurement, control, and laboratory use  
Part 1: General requirements

Report Number: SUES240800131201

Date of issue: 2024-10-30

Total number of pages: 84 pages

Name of Testing Laboratory: SGS-CSTC Standards Technical Services Co., Ltd. Suzhou

Branch: Branch

Applicant's name: TraffiClair Technology Co., Ltd.

Address: The 4th floor, Building No.4, Xiangshan South Road 105#, Shijingshan, Beijing, China

Test specification: IEC 61010-1:2010, AMD1:2016

Standard: IEC 61010-1:2010, AMD1:2016

Test procedure: SGS-CSTC

Non-standard test method: N/A

TRF template used: IEC61010-1:2010, Ed.1.3

Test Report Form No.: IEC61010\_1P

Test Report Form(s) Originator: VDE Prüf- und Zertifizierungsinstitut GmbH

Master TRF: 2021-04-12

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General disclaimer:

The test results presented in this report relate only to the object tested.

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**CE-LVD**

EN 61010-1:2010+A1:2019



# Certification Updates

## ClairWav-T24LC/T24L/T24SC/T24S/U24

**EU TYPE EXAMINATION CERTIFICATE**  
Radio Equipment Directive 2014/53/EU

**SGS**

Certificate Number: NB2906.2024.000534  
Project Number: SH-CERT241106891

Product Model Number(s): ClairWav-T24LC/ClairWav-T24S/  
ClairWav-T24LC/ClairWav-T24SC/  
ClairWav-U24

Brand/Trade Name:  TraffiClair  
Product Type: Microwave Radar Traffic Detector

Applicant: TraffiClair Technology Co., Ltd.  
Address: The 4th floor, Building No.4, Xiangshan South Road 105#,  
Shijingshan, Beijing

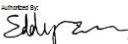
| Essential Requirements       | Results  |
|------------------------------|----------|
| Article 3.1(a) - Health      | Complies |
| Article 3.1(a) - Safety      | Complies |
| Article 3.1(a) - EMC         | Complies |
| Article 3.2 - Radio Spectrum | Complies |
| Article 3.3                  | N/A      |
| Article 3.4                  | N/A      |

Technical Documentation: SH-CERT241106891-01

Based upon an examination of the Technical Documentation and supporting evidence, the above listed equipment was found to conform with the essential requirements of the Radio Equipment Directive 2014/53/EU as noted above.

This certificate is issued for only the equipment mentioned above and is subject to the conditions and restrictions listed in the Annex. This type examination certificate is issued under the scope of the Radio Equipment Directive 2014/53/EU, therefore, the holder shall identify the equipment to the CE marking and NOT permitted to change the equipment to the equipment which would require a re-examination or a different type of change will invalidate this type examination certificate.

This certificate is valid for 5 years from the date of issue unless changes/modifications have been made to the equipment (hardware) or assessed type of equipment.

Authorized By:   
Edgym  
Director

Certificate Issue Date: November 8, 2024

Page 1 of 2

**SGS**

Notified Body: NB2906

Consumer and Retail, a division of SGS North America Inc.  
610 Old Ferry Road, Suite 100, Paramus, NY 10765, USA  
T: +1 770 678 1866 F: +1 770 277 1249 www.sgsgroup.com

CE-RED

**SGS**

**SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd**

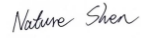
Report No.: SUCR240800030801  
Rev.: 01  
Page: 1 of 64

### TEST REPORT

Application No.: SUCR2408000308AT  
Applicant: TraffiClair Technology Co., Ltd.  
Address of Applicant: The 4th floor, Building No.4, Xiangshan South Road 105#,  
Shijingshan, Beijing  
Manufacturer: TraffiClair Technology Co., Ltd.  
Address of Manufacturer: The 4th floor, Building No.4, Xiangshan South Road 105#,  
Shijingshan, Beijing  
EUT Description: Microwave Radar Traffic Detector  
Model No.: ClairWav-T24LC/ClairWav-T24S/ClairWav-T24LC/ClairWav-T24SC/ClairWav-U24  
Trade Mark:  TraffiClair  
EN 301 489-1 V2.2.3  
EN 301 489-3 V2.3.2  
EN 55032:2015+A11:2020+A1:2020  
EN 55035:2017+A11:2020  
August 29, 2024  
Date of Receipt: August 29, 2024  
Date of Test: September 11, 2024 to September 24, 2024  
Date of Issue: September 29, 2024  
Test Result: **Pass\***

\* In the configuration tested, the EUT complied with the standards specified above.

Prepared by: Nature Shen/Project Manager  
Approved by: Cloud Peng/Technical Manager

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EN 301 489-1 V2.2.3  
EN 301 489-3 V2.3.2  
EN 55032:2015+A11:2020+A1:2020  
EN 55035:2017+A11:2020

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**SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd**

Report No.: SUCR240800030802  
Rev.: 01  
Page: 1 of 23

### TEST REPORT

Application No.: SUCR2408000308AT  
Applicant: TraffiClair Technology Co., Ltd.  
Address of Applicant: The 4th floor, Building No.4, Xiangshan South Road 105#,  
Shijingshan, Beijing  
Manufacturer: TraffiClair Technology Co., Ltd.  
Address of Manufacturer: The 4th floor, Building No.4, Xiangshan South Road 105#,  
Shijingshan, Beijing  
EUT Description: Microwave Radar Traffic Detector  
Model No.: ClairWav-T24LC/ClairWav-T24S/ClairWav-T24LC/ClairWav-T24SC/ClairWav-U24  
Trade Mark:  TraffiClair  
EN 300 400 V2.2.1  
August 29, 2024  
Date of Receipt: September 28, 2024 to October 11, 2024  
Date of Test: October 17, 2024  
Test Result: **Pass\***

\* In the configuration tested, the EUT complied with the standards specified above.

Prepared by: Nature Shen/Project Manager  
Approved by: Cloud Peng/Technical Manager

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EN 300 400 V2.2.1

EN 300 400 V2.2.1

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**SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd**

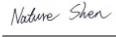
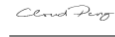
Report No.: SUCR240800030803  
Rev.: 01  
Page: 1 of 7

### TEST REPORT

Application No.: SUCR2408000308AT  
Applicant: TraffiClair Technology Co., Ltd.  
Address of Applicant: The 4th floor, Building No.4, Xiangshan South Road 105#,  
Shijingshan, Beijing  
Manufacturer: TraffiClair Technology Co., Ltd.  
Address of Manufacturer: The 4th floor, Building No.4, Xiangshan South Road 105#,  
Shijingshan, Beijing  
EUT Description: Microwave Radar Traffic Detector  
Model No. (EUT): ClairWav-T24LC/ClairWav-T24S/ClairWav-T24LC/ClairWav-T24SC/ClairWav-U24  
Trade Mark:  TraffiClair  
EN IEC 62311:2020  
2024/9/20  
Date of Receipt: 2024/10/17  
Date of Issue: 2024/10/17  
Test conclusion: **PASS\***

\* In the configuration tested, the EUT complied with the standards specified above.

Prepared by: Nature Shen/Project Manager  
Approved by: Cloud Peng/Technical Manager

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EN IEC 62311:2020

EN IEC 62311:2020

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[202407](#), [202408](#), [202409](#)



# Thanks

[www.trafficclair.com](http://www.trafficclair.com)

