



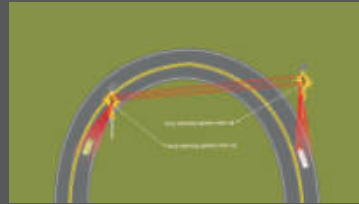
Data Analyze



Traffic Police Monitoring Center



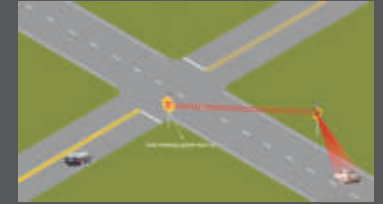
Community Police



Mountain Bend Vehicle Intersection Warning System



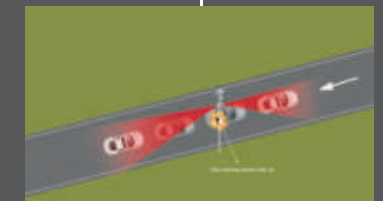
Fork Road Warning System



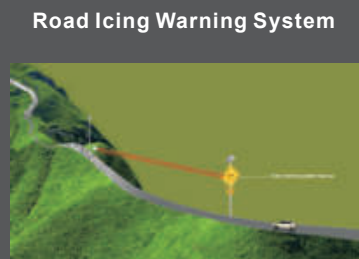
Crossroads Warning System



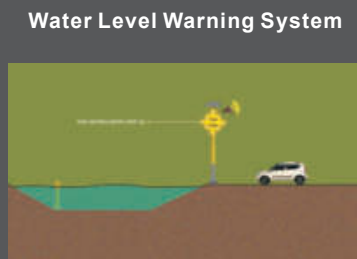
Vehicle Intersection Warning System



One-way Road Retrograde Warning System



Road Icing Warning System



Water Level Warning System



Height Limit Warning System

# TRAFFIC STATUS

Due to the traditional traffic equipment has weak warning effect and lacks of early warning function,drivers can not foresee the ahead road conditions and lack of emergency processing time, causing serious traffic accidents.

# WARNING SYSTEM

In view of the defects in the conventional traffic products to optimize the ELLUMIN pre-warning systems;Consider thoroughly of complicated road conditions for the targeted ELLUMIN pre-warning systems.The systems can warn drivers the ahead road condition for ensuring traffic safety.

Furthermore,it can be connected with all ELLUMIN pre-warning systems to help you better solve traffic problems and manage traffic order.

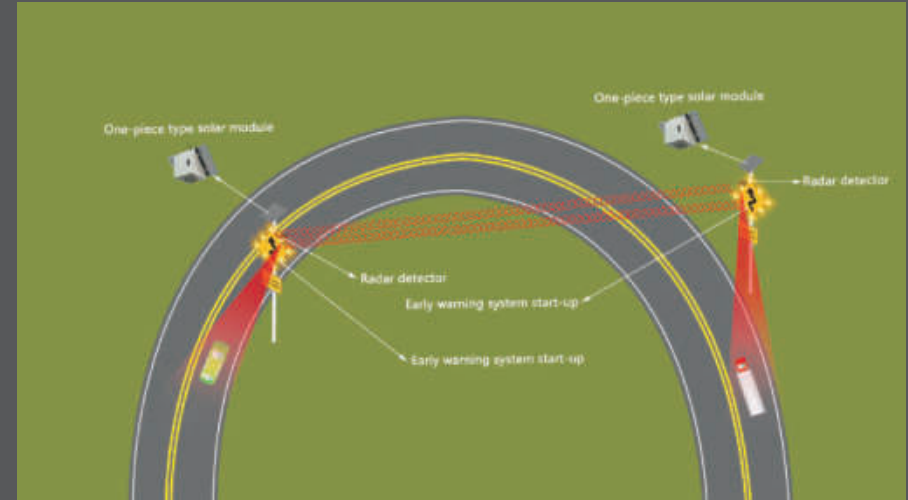


# WARNING SYSTEM-MOUNTAIN BEND VEHICLE INTERSECTION

## NO:Mountain Bend Vehicle Intersection Warning System



## SET:Mountain Bend Vehicle Intersection Warning System



### Cause:

Because the mountain road has many continuous curve road, large road slope, narrow road width, and poor road visibility that driver has short time to respond which causes rollover and crash accidents.

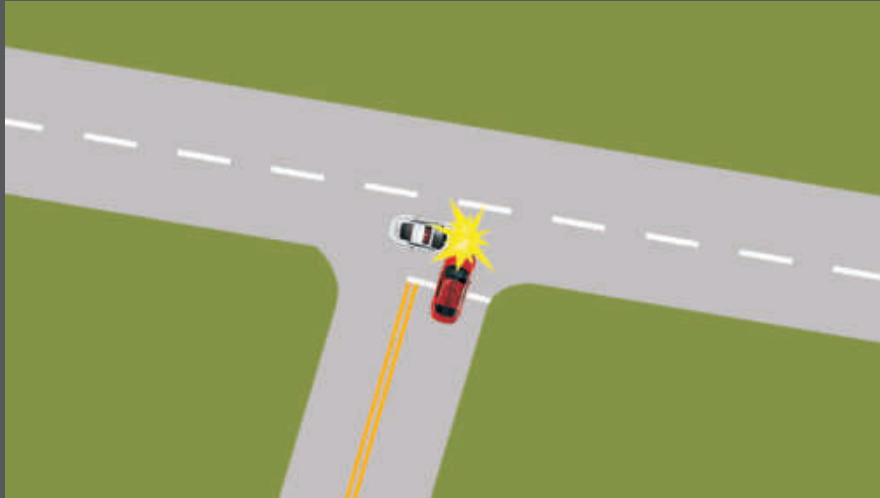
### Solution Analysis:

The system sets two detectors in front of the two sides of the curve road, if one car in the one side of road curve earlier cross the detector, the system will immediately illuminate the led sign flash in the other side of the curve road for early warning the other side car that there will be vehicle intersection please slow down.

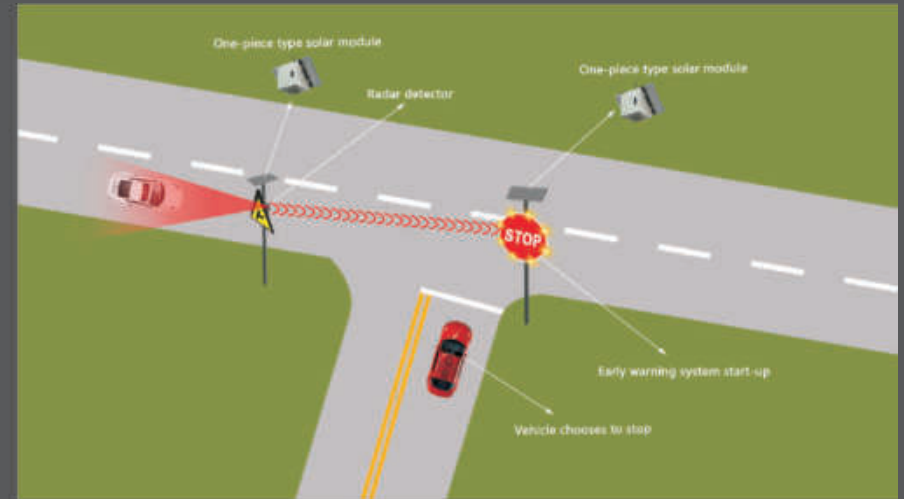
Providing the free customizable program for different road.TEL:+86-0576-82383999/80230333

# WARNING SYSTEM-FORK ROAD WARNING SYSTEM

## NO:Fork Road Warning System



## SET:Fork Road Warning System



### Cause:

The minor road drivers cannot foresee that there will be a meeting of vehicles in the fork road. Lacking of emergency time cause traffic accidents.

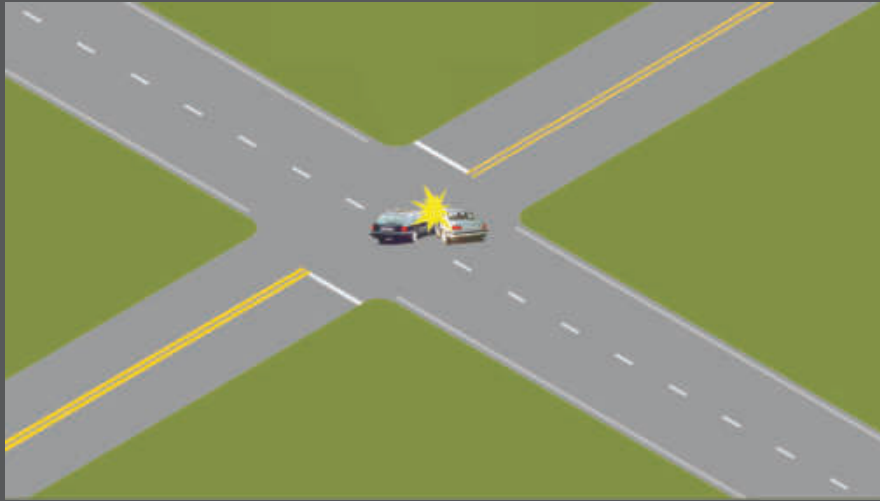
### Solution Analysis:

- ①When the car in the major road enters the detection area, the Fork Road Warning System will start-up .
- ②The flashing LED STOP sign which set in minor road gives early warning to the minor road vehicle to yield the major road vehicle.

Providing the free customizable program for different road.TEL:+86-0576-82383999/80230333

# WARNING SYSTEM-CROSSROADS WARNING SYSTEM

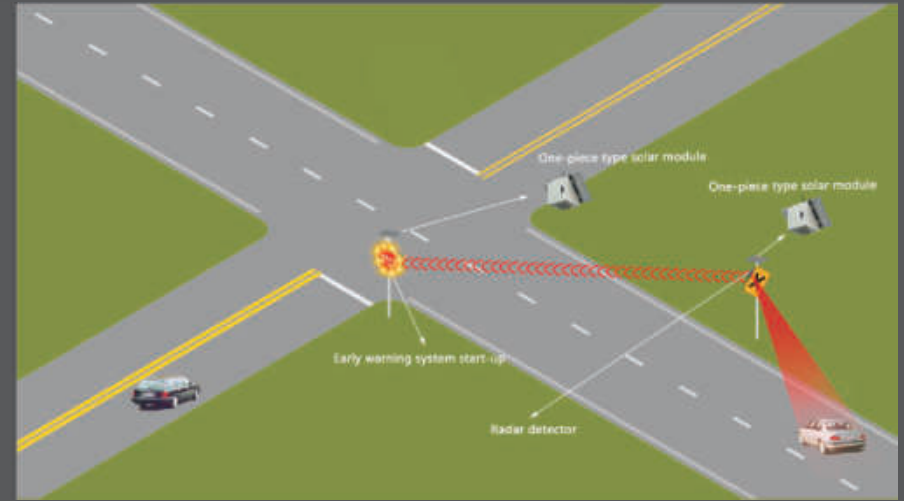
## NO:Crossroads Warning System



### Cause:

The minor road drivers cannot foresee that there will be a meeting of vehicles in the crossroads. Lacking of emergency time causes car accidents.

## SET:Crossroads Warning System



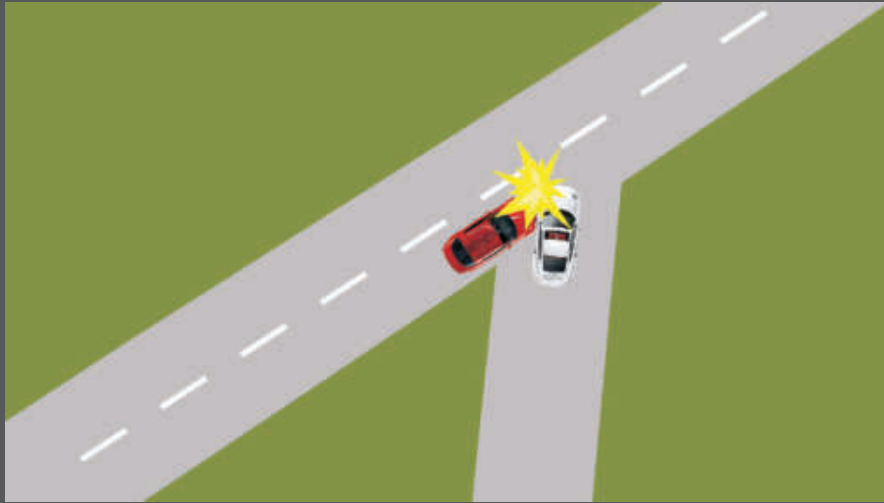
### Solution Analysis:

- ①When a car passes the car sensor device which set in the major road, the Crossroads Warning System will start-up.
- ②The flashing LED STOP sign which set in minor road gives early warning to the minor road vehicle to yield the major road vehicle.

Providing the free customizable program for different road.TEL:+86-0576-82383999/80230333

# WARNING SYSTEM-VEHICLE INTERSECTION WARNING SYSTEM

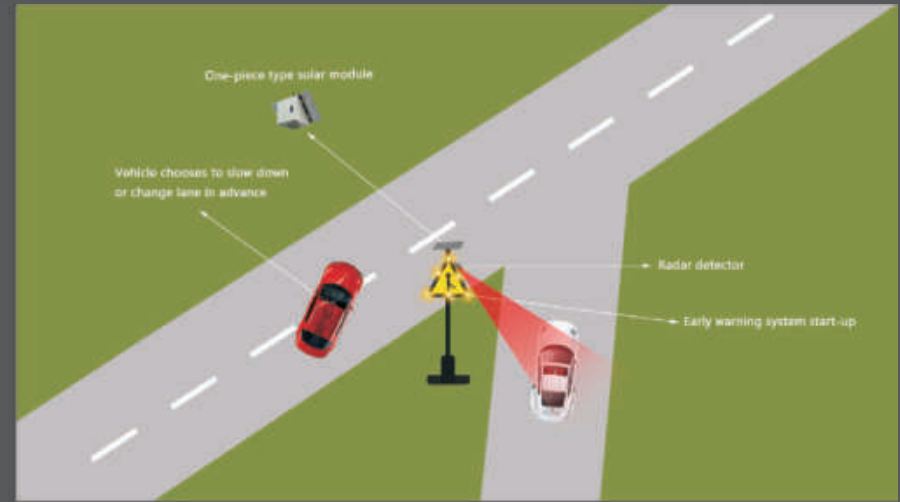
## NO:Vehicle Intersection Warning System



### Cause:

The main road drivers cannot foresee that there will be a meeting of vehicles in the front Intersection. Lacking of emergency time cause traffic accidents.

## SET:Vehicle Intersection Warning System



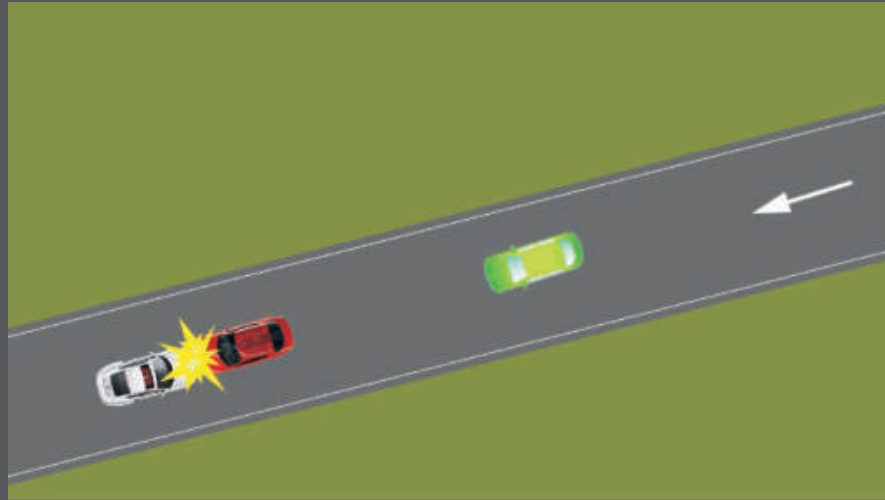
### Solution Analysis:

- ①When the car in the ramp enters the detection area, the Vehicle Intersection Warning System will start-up .
- ②Our system will illuminate the LED sign flashes for warning the driver in the main road that there ahead will be a vehicle intersection, please slow down or choose lane change in advance which can efficiently avoid traffic accidents.

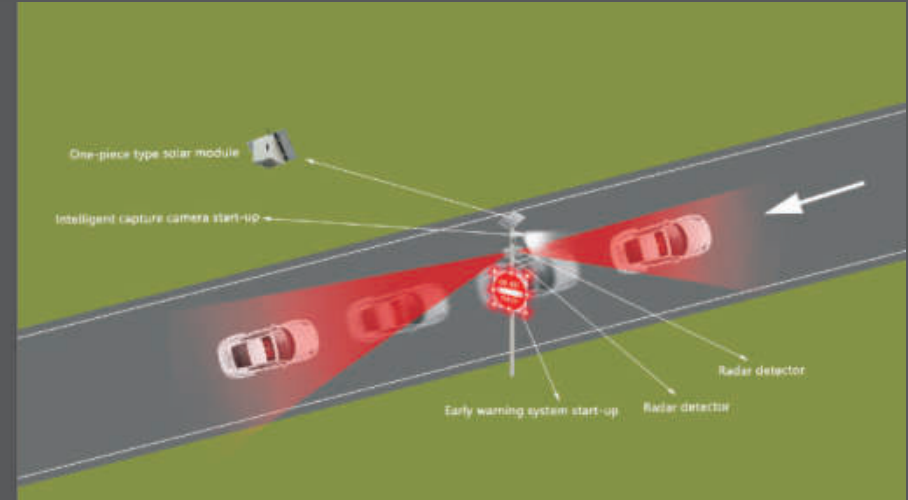
Providing the free customizable program for different road.TEL:+86-0576-82383999/80230333

# WARNING SYSTEM-ONE-WAY ROAD RETROGRADE WARNING SYSTEM

## NO:One-way Road Retrograde Warning System



## SET:One-way Road Retrograde Warning System



### Cause:

Many traditional one-way road signs set in roadside have bad warning effect. The Retrograde occurs due to unfamiliar road one-way rules causing traffic accidents.

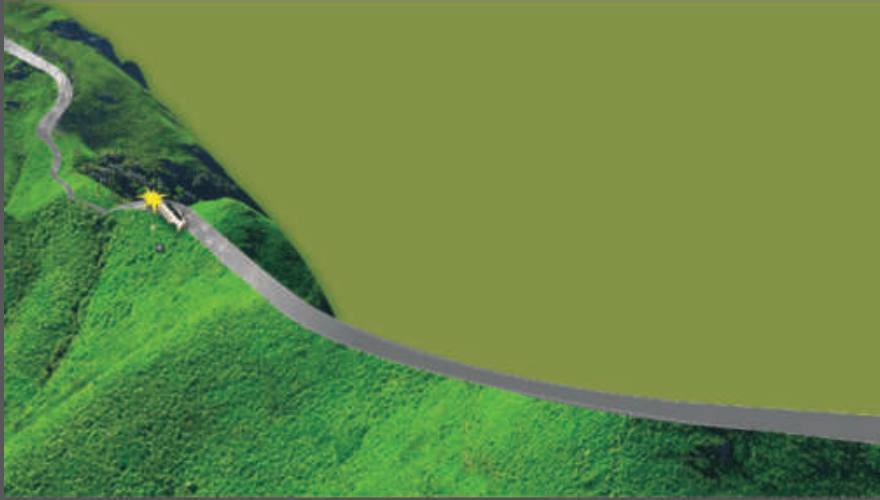
### Solution Analysis:

- ①One-way Road Retrograde Warning System will start-up when detects the car is retrograde driving.
- ②The warning sign flashes for warning the driver that you're retrograde driving.
- ③If the driver continues to violates one-way road rules, on the one hand, the intelligent camera is activated to capture the retrograde vehicle. On the other hand, the system will immediately notify the police by email, notify the monitoring centre by web.

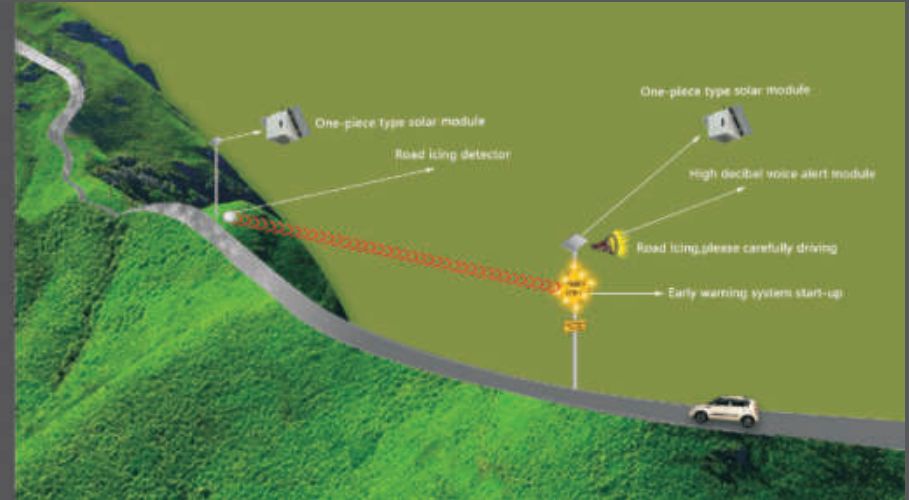
Providing the free customizable program for different road.TEL:+86-0576-82383999/80230333

# THE HIGHEST LEVEL WARNING SYSTEM-ROAD ICING WARNING SYSTEM

## NO:Road Icing Warning System



## SET:Road Icing Warning System



### Cause:

Due to low temperature in the winter, some areas like tunnels, mountain roads are prone to be road icing. In the icing road, the cars are prone to wheel-slip causing traffic accidents.

### Solution Analysis:

- ① When the sensor detects the road has been frozen, Road Icing Warning System will start-up.
- ② On the one hand, the system will immediately notify the police by email, notify the monitoring centre by web. On the other hand, it will illuminate the warning sign flashes and high-decibel voice alarms. Early warning the driver that the front is icing road, please slow down.
- ③ The police will come to the dangerous area immediately and does road deicing in the problem region.

Providing the free customizable program for different road. TEL: +86-0576-82383999/80230333



# THE HIGHEST LEVEL WARNING SYSTEM-WATER LEVEL WARNING SYSTEM

## NO:Water Level Warning System



## SET:Water Level Warning System



### Cause:

- ①Under the rainstorm condition,the low-lying land lacks of drainage equipment always faces the severe sediment problem.
- ②In the rainstorm,the drivers are prone to mistakenly judge the water height even causes death.

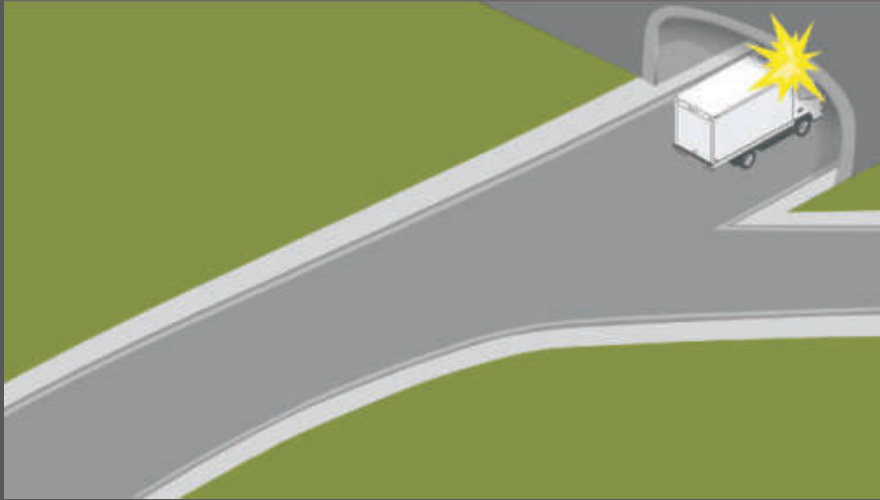
### Solution Analysis:

- ①When sensor device detects the current water level exceeds the standard water level, Water Level Warning System will start-up.
- ②On the one hand,the system will immediately notify the police by email,notify the monitoring centre by web.On the other hand,it will illuminate the warning sign flashes and high-decibel voice alarms for warning the driver stop.
- ③The police will come to the dangerous area immediately and set road barriers in the problem region for stopping the driver.
- ④Deactivate the voice alarm function after finishing road closure for avoiding noise pollution.

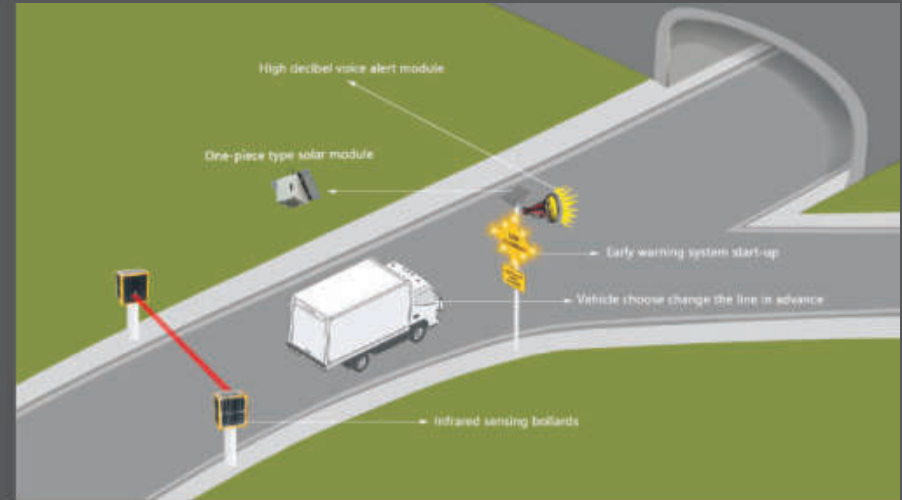
Providing the free customizable program for different road.TEL:+86-0576-82383999/80230333

# THE HIGHEST LEVEL WARNING SYSTEM-HEIGHT LIMIT WARNING SYSTEM

## NO:Height Limit Warning System



## SET:Height Limit Warning System



### Cause:

Many height limit signs set in road tunnel and highway bridge have bad warning effect. The accident will usually happen when the driver isn't familiar with the road.

### Solution Analysis:

- ① Height Limit Warning System will start-up when the coming car's height has exceed the standard height.
- ② On the one hand, the system will immediately notify the police by email, notify the monitoring centre by web. On the other hand, it will illuminate the warning sign flashes and high-decibel voice alarms for warning the driver stop going through the road tunnel/highway bridge and bypass in advance.

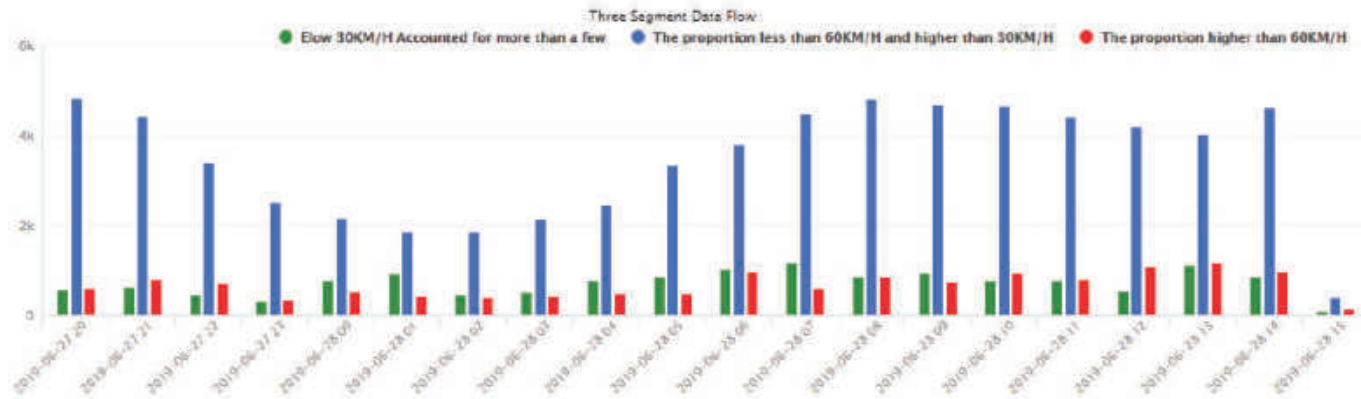
Providing the free customizable program for different road. TEL: +86-0576-82383999/80230333

# ELLUMIN CLOUD

ELLUMIN cloud is an important part of the smart city which can monitor the operation of the ELLUMIN devices, as well as collect and analyze the devices' statistic for you.

## 1.Data Reporting

- ①It can generate professional data reports by capturing, filtering, summarizing, analyzing and summarizing the data of the day.
- ②Provide strong data support by historical data exported to EXCEL in chronological order.



## 2. Monitoring Device

Monitoring device's operation and display in map pattern, and support to filter the dedicated device.

The dashboard features a top navigation bar with the ELLUMIN logo and menu items: APPLICATION, DEVICE, ALARMS, USERS, TRAFFIC HEAT MAP, and CALENDAR. A 'Test' button with a user icon is also present.

Four main monitoring cards are displayed:

- Devices:** 9 s, View All Devices
- Device Location:** 9 s, View Device Location
- Alarms:** 25 s, View All Alarms
- User Info:** 0 s, View All Users

Below the cards, a map shows the current location of devices. A pop-up window for a selected device provides the following details:

- ID : 0600000000101
- Longitude : 121.4492286842588
- Latitude : 28.629203826787636
- Type : Radar Sign
- Temperature : 32
- BTMP : 82
- Voltage : 11856
- Out-Of-Voltage : 13500
- View detail

A search bar labeled 'Query Device:' is located below the map. Below the search bar is a table listing the devices:

Type	Device Name	Device Status	Notification Status	Electronic Label
	Radar Speed			
	T Fork Road Warning System1			
	Vehicle Intersection Warning System			

### 3. Online Control Device

Remotely change the operating status of the device online.

The screenshot displays the ELLUMIN Cloud Warning System interface. At the top, there is a navigation bar with the ELLUMIN logo and menu items: APPLICATION, DEVICE, ALARMS, USERS, TRAFFIC HEAT MAP, CALENDAR, and a Test button with a user icon. Below the navigation bar, the current equipment is identified as 'Locomotive Village (06030400000020)'. A 'show history' button is visible in the top right corner.

The main control area includes a 'revise' button and a 'Reload' button. The 'Cut-off Voltage' is set to a value in mV with a 'revise' button. The 'Normal Working' status is set to 'ON' with radio buttons. There are three toggle switches: 'Start The Upload Traffic' (ON), 'Screen ON/OFF' (ON), and 'Modify The Speed Lim' (km) with a 'revise' button.

Below the controls, the 'Monitor message' section displays the following information: Cut-off Voltage: 13900 (mV), Data Upload Interval: 6 (\*10 minute), Speed Limit: 10 (KM), Working Status: Radar upload shutdown, and device status: normal. The Product Type is listed as Radar Sign.

A 'Temperature' widget shows a reading of 32 °C with a yellow progress bar. Below this is a line graph titled 'Battery Voltage (mV)'. The graph shows the battery voltage over time, with the y-axis ranging from 11890 to 11910 mV. The x-axis shows dates from 2019-07-28 09:28 to 2019-07-30 08:36. The voltage starts at approximately 11910 mV, fluctuates between 11910 and 11920 mV, and then drops sharply to about 11895 mV at the end of the period.

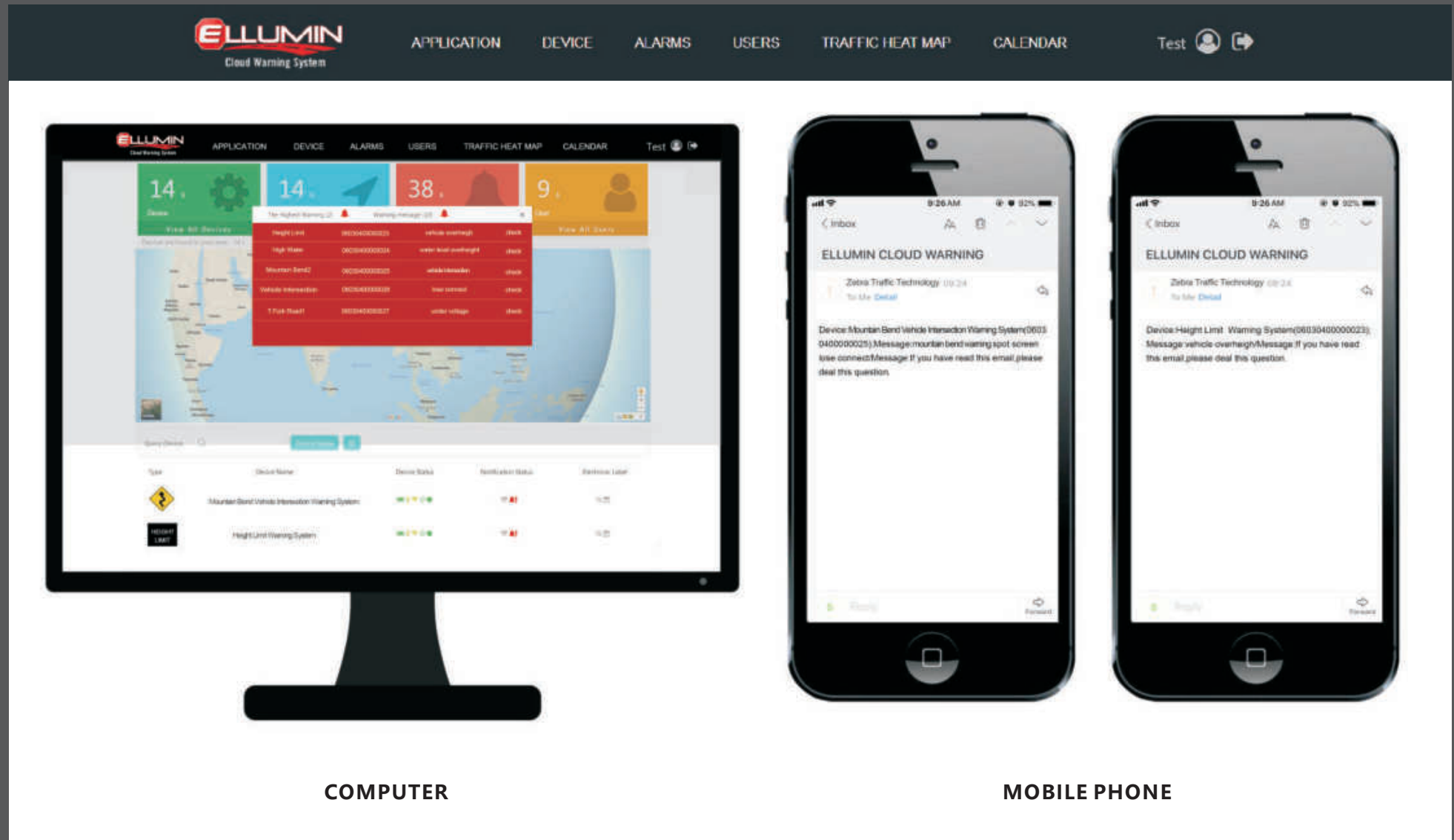
## 4. Programmable Control

Customize Calendar Editor is easy to schedule Manage devices.(Based on the calendar year with the ability to program in holidays and daylight savings time,ideal for school, business and industrial facility work schedules).

The screenshot displays the ELLUMIN web interface for managing a calendar. The top navigation bar includes the ELLUMIN logo, 'Cloud Warning System', and menu items: APPLICATION, DEVICE, ALARMS, USERS, TRAFFIC HEAT MAP, CALENDAR, Test, and user icons. The main content area is titled 'Equipment Transportation' and features a sidebar with various warning system icons and names: Smart Pedestrian System, Vehicle Intersection, Mountain Bend Vehicle, T Fork Road Warning System (two entries), and Water Level Warning System. The central part of the interface is a calendar for July 2019, with the 30th highlighted in red. To the right of the calendar is a detailed view of the selected date (07/30/2019), showing a time range from 20:19:07.28 to 20:19:07.30 and options to 'Add date', 'Delete time', and 'Add TimeBar'. Below the calendar, there is an 'Allocation schedule' section with a 'Total of the currently selected device : 1' and a 'Select All' button. Checkboxes are provided for 'LatticeScreen', 'RadarScreen', 'BlackLatticeScreen', and 'GreenArrowRedXScreen'. An 'Allocate' dropdown menu is set to 'No Schedule'. At the bottom, there are two buttons: 'Application' (yellow) and 'Delete Application' (orange).

## 5. Emergency Notification

When the highest danger traffic emergency occurs or there is something wrong with the device, workers will immediately receive the notifications through E-mail and web page. Notification mode is optional, notification content can be customized.



The image displays the ELLUMIN Cloud Warning System interface across three devices: a computer monitor and two mobile phones. The computer monitor shows a dashboard with a navigation menu (APPLICATION, DEVICE, ALARMS, USERS, TRAFFIC HEAT MAP, CALENDAR) and a 'Test' button. The dashboard includes a map of India, a table of active devices, and a table of device status.

Type	Device Name	Device Status	Notification Status	Earliest Latency
	Mountain Bend Vehicle Intersection Warning System	<span style="color: green;">●</span> <span style="color: green;">●</span> <span style="color: green;">●</span> <span style="color: green;">●</span>	<span style="color: red;">●</span> <span style="color: red;">●</span>	1:22
	Height Limit Warning System	<span style="color: green;">●</span> <span style="color: green;">●</span> <span style="color: green;">●</span> <span style="color: green;">●</span>	<span style="color: red;">●</span> <span style="color: red;">●</span>	1:22

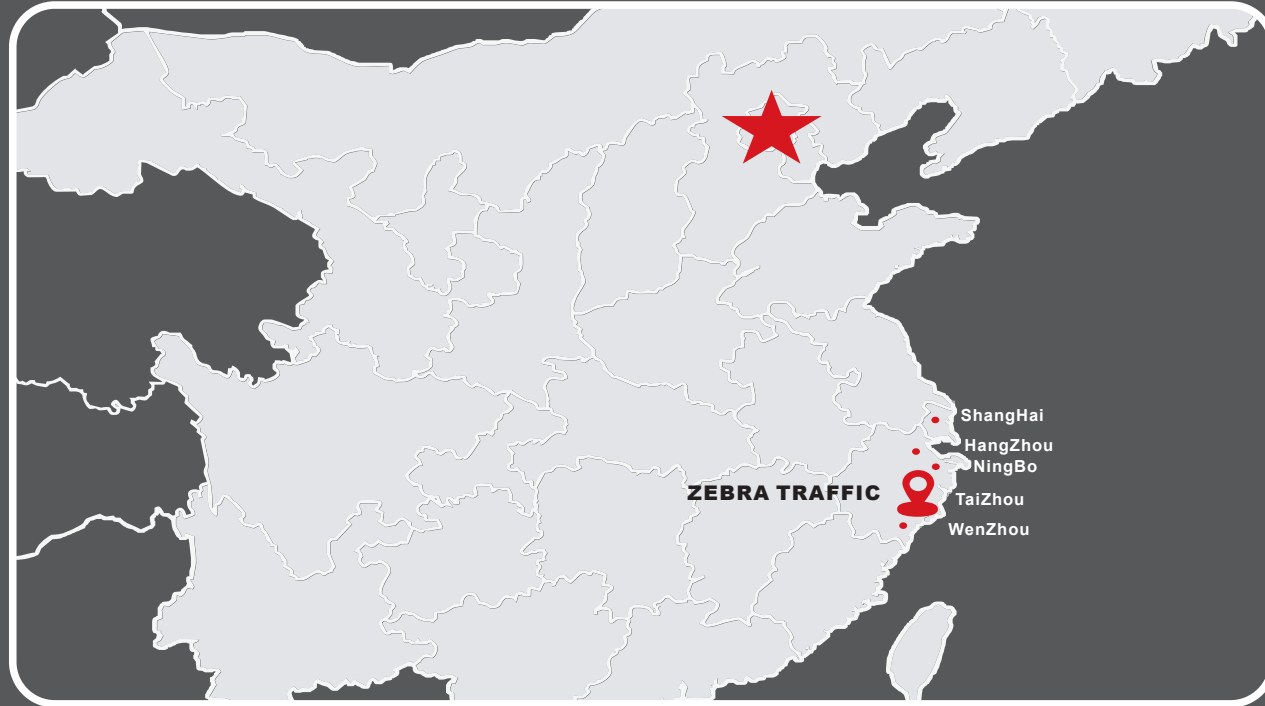
The two mobile phones show the same notification content in an email format. The notification title is 'ELLUMIN CLOUD WARNING' and the sender is 'Zebra Traffic Technology'. The message content is: 'Device: Mountain Bend Vehicle Intersection Warning System(00030400000023) Message: mountain bend warning spot screen use connect Message if you have read this email please deal this question.' and 'Device: Height Limit Warning System(00030400000023) Message: vehicle overheight Message if you have read this email please deal this question.'

COMPUTER

MOBILE PHONE



**MAKE EVERY WARNING SIGNAL VALUABLE**



**TAIZHOU ZEBRA TRAFFIC TECHNOLOGY CO.,LTD**

ADDRESS: Room2201, The 2nd Floor, Building2, NO 188 East Kaifa Avenue, Taizhou City, Zhejiang, China

E-mail:sales@ellumin.com

TEL:0576-82383999/80230333

P.C:318000

FAX:0576-80230222

Website:Https://www.ellumin.com