

(English)



***VICS supports drivers in
relaxed and safe driving.***

VICS

Vehicle Information and Communication System

The VICS system aims at improving convenience for drivers by offering following three advantages. First, VICS makes it possible to cut costs by shortening the time required for transportation. Second, VICS improves road safety by providing accurate information. Third, VICS helps to protect the environment by streamlining traffic. The objective of the VICS system is to create a higher standard of living, and contribute to social and economic development by offering these advantages.

Eliminating traffic congestion, reducing traffic accidents, and improving road environment are challenges faced by every nation in the modern world. VICS addresses these concerns by enabling drivers to select the shortest, most convenient routes available and ensuring that traffic is dispersed appropriately. VICS is being utilized successfully as a system for improving road safety and traffic flow, making roads more driver-friendly.

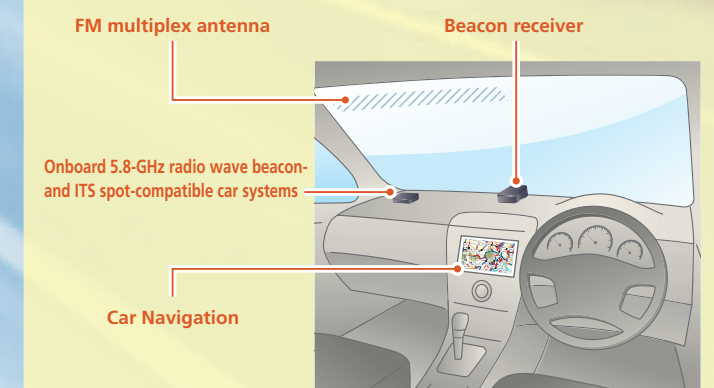
Benefits of VICS

- Avoid traffic congestion en-route***
- Shorten travel time***
- Reduce driving-related stress***
- Can be used throughout the country
24 hours a day, 365 days a year***

VICS information

- Traffic congestion***
- Information on Traffic Restrictions***
- Information on Traffic Hazards***
- Information on Parking Lots***

To receive VICS information



VICS-compatible car navigation units can be purchased at locations such as car dealers, car parts and electronics stores.

VICS is made up of 4 functions to provide drivers with



with faster, more accurate and much more information.

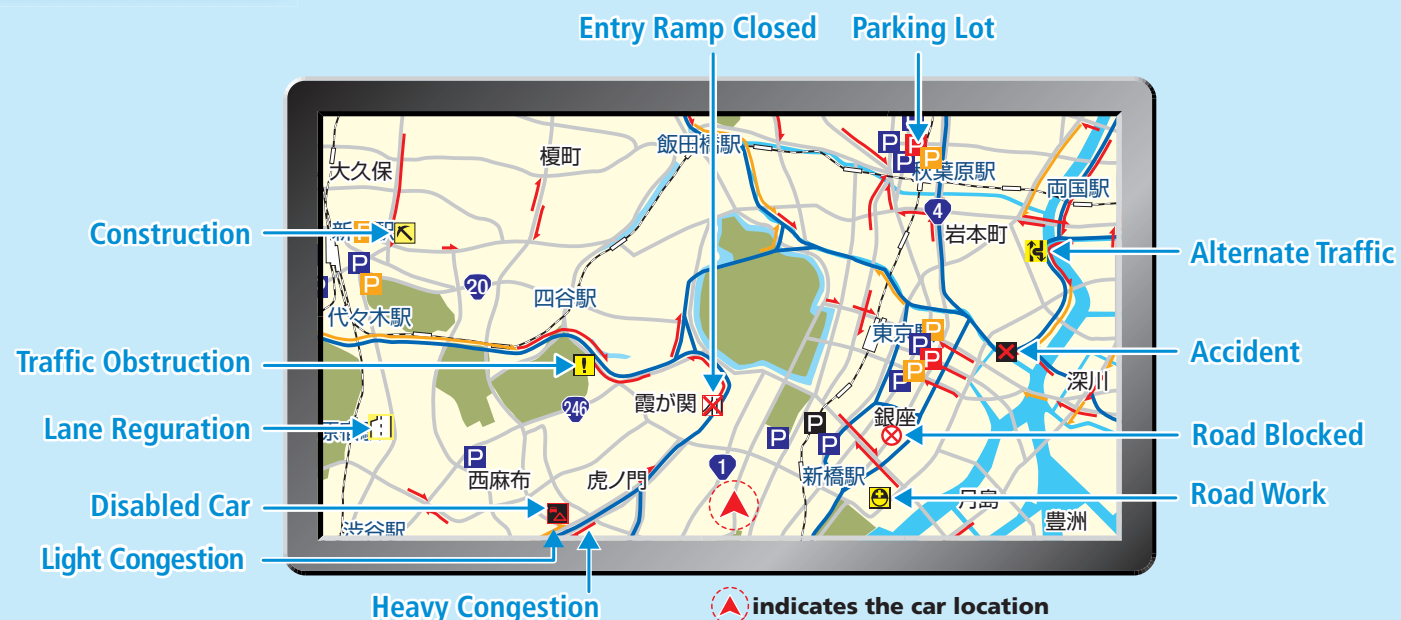
Three ways of displaying information.

VICS provides road traffic information in real time using three different types of displays: a Map Display (level 3), a Simple Graphic Display (level 2), and a Text Display (level 1). Note that the type of information available will vary depending on the types of functions available on the particular car navigation system in use and location.

★The displays shown below are just examples, the actual displays might differ.

Map Display (Level 3)

This map display overlays VICS information about traffic congestion, etc. onto car navigation system maps. Drivers can see road and traffic information on their current location that allows them to avoid congestion and select the shortest route to their destination.



Contents Displayed

● Congestion Information

Heavy congestion is indicated by a red arrow, and light congestion is indicated by an orange arrow. The length of an arrow represents the distance of the congested road blocks.

| Degree of congestion | Ordinary road | Inner-city expressway | Inter-city expressway |
|----------------------|------------------|-----------------------|-----------------------|
| Heavy Congestion | less than 10km/h | less than 20km/h | less than 40km/h |
| Light Congestion | 10km/h to 20km/h | 20km/h to 40km/h | 40km/h to 60km/h |
| Smooth Traffic | more than 20km/h | more than 40km/h | more than 60km/h |

The car navigation system's default setting for display of "Smooth traffic" is generally "OFF"

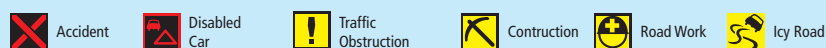
● Information on Traffic Restrictions

These icons indicate blocked roads, speed limits, lane regulations, etc.



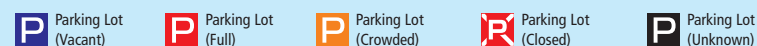
● Information on Traffic Hazards

These icons indicate accidents, disabled cars, traffic obstructions, constructions, etc.



● Information on Parking Lots

These icons indicate the locations of parking lots and service areas, showing by colors if it's available or not, and what kind of facilities they have.



Simple Graphic Display (Level 2)

VICS information is displayed in simple graphic form on the monitor of the car navigation unit. The main feature of this type of display is that information is shown in simple graphic patterns or text.

FM Multiplex Broadcasting

● Ordinary Roads



● Inter-City Expressway



Radio wave beacons(5.8GHz) ITS spot

● Inner-City Expressway



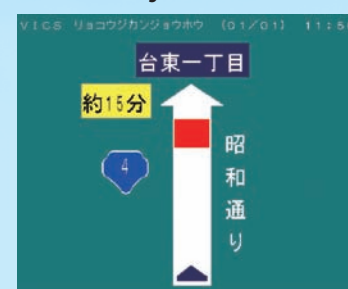
● Inter-City Expressway



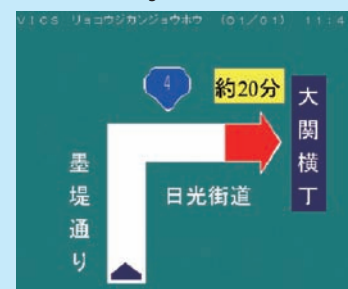
▲ indicate the car location

Infrared Beacons

● Ordinary Roads



● Ordinary Roads



▲ indicate the car location

Text Display (Level 1)

VICS information is displayed in text form on the monitor of the car navigation unit. Information is provided clearly and briefly using 30 Japanese characters or fewer.

FM Multiplex Broadcasting

● Ordinary Roads

VICSとうきょう (01 / 25) 10 : 15
浅草通り東行き 押上駅前→
福神橋 渋滞0.5KM

● Inter-City Expressway

VICSとうきょう (10 / 10) 10 : 15
中央道 上り 車線規制
双葉SA→甲府昭和渋滞2.0km

Radio wave beacons(5.8GHz) ITS spot

● Inner-City Expressway

1号羽田線 横浜方向
右折車線事故、注意

● Inter-City Expressway

常磐道経由
水戸まで 1時間以上

Infrared Beacons

● Ordinary Roads

中央通り南行き 京橋⇄銀座四
渋滞0.5KM

● Ordinary Roads

日比谷通り南行き
神田→大手町 渋滞1.0KM



The three hearts of the VICs logo mark represent...

- real-time information
- peace of mind
- safety for drivers and vehicles

and the hope for relaxed and safe driving

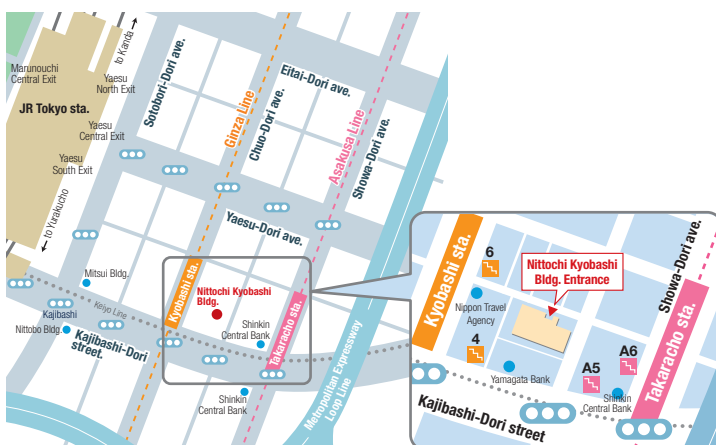
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<http://www.vics.or.jp>



Safety Notes

- Please confirm information on the display screen as quickly as possible, only taking your eyes off the road instantaneously.
- Please stop your vehicle in a safe place before carrying out complicated operations.