

DIGITAL INNOVATIONS

Traffic information systems

- Information System
- Speed Warning System
- Traffic Data Collection
- Traffic Monitoring
- Software and Service

DKT
SECURE TRAFFIC SOLUTIONS

Contents

- 02 **Our product range at a glance:** Product comparison table
- 04 VERIS 01 **Traffic Data Collection and Information System**
- 06 VISTA Plus **Speed Warning System**
- 08 VISTA Smiley **Speed Warning System**
- 09 **Accessories** for VISTA Plus/Smiley
- 11 VeDasys **Traffic Data Collection System**
- 11 DFS 700 **Speed Warning System**



What our customers say

“ We are very satisfied with the VERIS 01 systems. They have worked very well from the minute we installed them and have been reliable too, even in winter. We certainly wouldn't want to do without our VERIS 01 systems now, and we're very happy to recommend them!**”**

Mario Seyfert - Zirndorf Town Council, Bavaria, Germany

Our product range at a glance: Product comparison table

	VERIS 01	VISTA Plus	VISTA Smiley	DFS 700	VeDasys
Dimensions (w/h/d) in mm	745 x 840 x 215	610 x 480 x 58	610 x 480 x 58	660 x 770 x 110	250 x 350 x 150
Display	Dialogue display	Two-digit	Two-digit	Two-and-a-half-digit	None
LED display	Full-colour	Two colour	Two colour	Two colour	None
LEDs	SMD	SMD	SMD	SMD	None
Figure display (h/w) in mm	310 x 150	340 x 380	340 x 380	330 x 450	None
Radar beam angle	24° horizontal 14° vertical	24° horizontal 14° vertical	24° horizontal 14° vertical	14° horizontal 24° vertical	None
Weight (without battery)	23 kg	6 kg	6 kg	8.5 kg	4.5 kg
Housing protection type	IP 54	IP 54	IP 54	IP 54	IP 66
Measurement range	3-199 km/h (2-124 mph)	3-99 km/h (2-62 mph) (data collection up to 199 km/h/124 mph)	3-99 km/h (2-124 mph)	3-199 km/h (2-124 mph)	8-150 km/h (8-93 mph)
Measurement tolerance	± 2 km/h (1.2 mph) up to 100 km/h (62 mph) ± 2% over 100km/h (62 mph)	± 2 km/h (1.2 mph) up to 100 km/h (62 mph) ± 2% over 100km/h (62 mph)	± 2 km/h (1.2 mph) up to 100 km/h (62 mph) ± 2% over 100km/h (62 mph)	± 2 km/h (1.2 mph) up to 100 km/h (62 mph) ± 2% over 100km/h (62 mph)	± 3 km/h (2.5 mph) up to 100 km/h (62 mph) ± 3% over 100km/h (62 mph)
Ambient temperature range	-10 to +60 °C	-20 to +80 °C	-20 to +80 °C	-35 to +75 °C	-20 to +50 °C
Humidity	Up to 95 %				
Operating voltage	11.3 V - 14.7 V	11.3 V - 14.7 V	11.3 V - 14.7 V	11.3 V - 15.0 V	12 V
Radar frequency	24.15 GHz-24.25 GHz	24.15 GHz-24.25 GHz	24.15 GHz-24.25 GHz	24.15 GHz-24.25 GHz	24.125 GHz
Smiley functionality	✓	✓	✓	✗	✗
Traffic data collection	✓	✓	✗	✓	✓
Temperature sensor	✓	✗	✗	✗	✗
GPS module	✓	✓	✗	✗	✗
Camera module	✓	✗	✗	✗	✗
Mobile data transmission	✓	✗	✗	✓	✗
Power supply					
Battery	✓	✓	✓	✓	✓
Uninterruptable power supply	✓	✓	✓	✓	✓
External power supply	✓	✓	✓	✓	✓
Solar	✗	✓	✓	✗	✗

Innovative solutions for improved safety



Nurseries, retirement homes, schools and building sites are generally seen as areas where pedestrians are particularly vulnerable to traffic. Traffic information systems, speed warning systems and measurement devices can play a key role in making these kinds of environments as safe as possible.

Our speed warning systems set new, innovative benchmarks for displaying and analysing speed readings. Speed warning systems are among the most cost-effective and reliable methods for collecting traffic data and preventing road traffic accidents. Our aim is to keep you safe.

Most speeding drivers don't do it deliberately – driving too fast just becomes a bad habit that creeps into their everyday driving. **With its highly accurate measuring equipment and large, full-colour LED display, the VERIS 01 speed measurement system can have a direct effect on drivers' behaviour.** The use of the symbolic colours of red and green to show whether a driver is adhering to the speed limit or not immediately attracts drivers' attention, and prompts them to improve their driving.

Collecting traffic data is similarly important when it comes to designing public spaces. We give you the freedom to combine our products in the way that suits you best. **You can also choose between mobile and fixed versions of our systems.**



Introductory video on VERIS (Collecting traffic data and information system)



<https://www.youtube.com/watch?v=0f6TkM2JVnw>

VERIS 01 Traffic Data Collection and Information System

Introducing our latest innovation - VERIS 01



The world's first flexible dialogue display for transferring data over the mobile phone network

The VERIS 01 is a true all-rounder. We set out to develop equipment combining high levels of flexibility, a wide range of functions and top build-quality at an affordable price.

And you could say we are proud of what we've achieved. VERIS 01 offers more than standard speed warning systems. It comes with all its features pre-installed, and you can switch them on and off individually.

Traffic data collection and analysis

Why is the traffic data collection system such an important part of the VERIS 01 system?

Because without statistics to measure traffic levels, **planning successful traffic systems and public spaces that work for the people that use them** becomes impossible. Before you can plan, you need to know **the number of vehicles on the road and how fast they're moving**, as well as timely analysis of that data.

With the VERIS 01 system's **user-friendly software** you can collect and use data quickly and easily, making it a perfect tool for town planning. Lead the way in traffic planning and create the perfect traffic system. When it comes to using and analysing data, you can rely on VERIS 01.



The software solution for controlling your system.

i VERIS 01 system information

- Robust aluminium housing
- Low-grip front panel repels dirt
- Network connection / street lighting
- Battery operated (with some restrictions)
- Intelligent energy management

VERIS 01 product features

Traffic levels on roads and motorways are constantly increasing, making modern, safe road signage even more important. We offer a range of **high-quality, innovative** traffic management systems, **all under one roof** – all our equipment and software is developed and manufactured in-house. Our new VERIS 01 system sets new standards for safety and innovation.

Key features

- A key part of any smart traffic management system
- Displays updates in real-time
- Temperature sensor
- The ideal solution for a wide range of applications
- Highly-flexible RGB matrix
- Choose the right operating mode for you

Configure and collect measurement data

- Easy to set up
- Download data via the web from any end device, anywhere
- User-friendly software for comprehensive data analysis
- Analyse speed data broken down by date, time and recorded speeds
- Generate tables and graphs from data quickly and easily
- Simple before/after studies show whether traffic calming measures are effective

Did you know?

With VERIS 01, you can have the latest recorded data at your fingertips, so you are always up-to-date. The display updates in seconds, meaning safer roads for all road users. It's easy to program too, saving you valuable time.

Other features

The VERIS 01 offers a wide range of great built-in features, including all of these!



Temperature sensor

Measures and records the current ambient temperature. Ice warning mode.



GPS module

Determines the GPS coordinates for its current position. Automatically retrieves settings for known locations.



Transmit data

Transmit data between VERIS and the server over the mobile phone network.



"Camera module"

Monitor the current situation on site, including current traffic flow or weather conditions (selectable).

Other operating modes

The VERIS 01 also comes with a variety of other operating modes, including sleep and undercover modes. For full details, speak to a member of our specialist sales team.

All modes **fully selectable!**

VERIS modes at a glance:

Speed warning mode



Show three different speed measurements in three colours.

Smiley mode



Display a happy or sad smiley to show whether a driver is obeying the speed limit, or choose your own symbol (optional feature) to alternate with the speed reading.

Text mode



Smiley mode can also be switched off and replaced by two texts to reflect the local speed limit.

Info mode



Text display Set colours and positions using the editor.

optional

Symbol mode



Display traffic symbols from the German highway code. Other symbols can be programmed into the system to meet customer requirements.

optional

Ice warning mode



The temperature at which the ice warning is triggered can be set in advance.

optional



VISTA Plus

Based on the same design as the VISTA Smiley, but boasting an array of additional features, **our new VISTA Plus stands out thanks to its combination of traffic data collection technology and a wide range of operating modes.**

The VISTA Plus rewards careful road users with a smile. Its combination of **different modes** gives drivers additional information about their speed. **The speed limit and smiley features are complemented by a data collection and analysis system**, as well as automatic data and time synchronisation, allowing all saved data to be analysed in detail and used to achieve real benefits. You can also **analyse the data you need immediately using the supplied PC software, and publish it in charts or graphs.** The integrated USB interface makes it easier to analyse and use the data, and to adjust settings. Settings can be **easily changed** from your PC.

With its **compact, robust plastic housing**, the VISTA Plus can be installed **in a fixed location or used on the move.** It features a two-digit display with high-performance LED's, making it easy to read even in direct sunlight.

The new VISTA Plus gives our customers what they've been waiting for. The system is supplied with its own **PC software.** Its **user-friendly interface allows you to activate and configure the full range of settings and choose the operating mode that works best for you.**

VISTA Plus product features

While it may look almost identical to our VISTA Smiley, under the skin the new VISTA Plus boast a range of additional features.

Key features

- Radar collects a full range of traffic data for all oncoming vehicles
- 16 GB built-in storage
- Data saved on a USB stick for easy analysis
- Analysed data can be immediately incorporated into graphs and diagrams.
- Synchronises date and time automatically

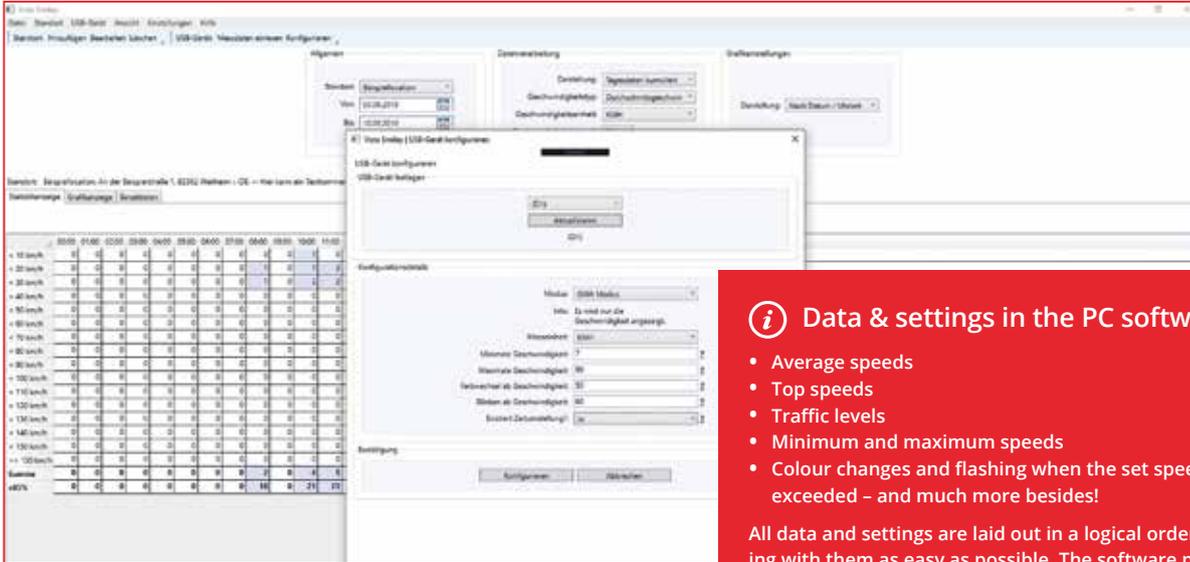
i VISTA Plus product information

- Two-colour LED display with automatic brightness adjustment
- Light weight makes it easy to handle
- Dimensions: W 610 x H 480 x D 58 mm
- Choose settings to suit the situation
- 'Permanent' or 'flashing' measurement display
- Two-digit LED display for speeds up to 99 km/h (62 mph)
- Surround signage can be customised with a message of your choice



“The **VISTA Smiley** speed warning system works brilliantly. We think it's great and we're delighted to be able to use it. It led to a noticeable change in driver behaviour very quickly.”

Birgit Thron - Fürstentfeldbruck Local Council, Bavaria, Germany



Simple, user-friendly software for your VISTA Plus.

i Data & settings in the PC software

- Average speeds
- Top speeds
- Traffic levels
- Minimum and maximum speeds
- Colour changes and flashing when the set speed limit is exceeded – and much more besides!

All data and settings are laid out in a logical order to make working with them as easy as possible. The software program analyses and calculates the available information so it can be used immediately.

All modes **fully selectable!**

VISTA Plus modes at a glance:

Limit mode



A set speed is displayed if the speed limit is exceeded.

Smiley mode



The speed is shown in red or green, with alternate happy or sad smileys.



Symbol mode



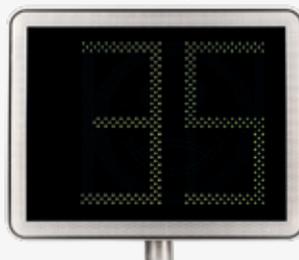
In symbol mode, the display will only show a green or red smiley.

Undercover mode



In undercover mode, measurements are recorded without being displayed to road users.

Speed warning mode



Shows measured speeds in two different colours. The speed limit can be pre-programmed separately.



Sleep mode



In sleep mode, the system neither records nor displays data.



Reliable and cost-effective!
The speed warning display Vista Smiley



VISTA Smiley

Ready for use immediately and easy to set up:
Our VISTA Smiley Speed Warning System!

The VISTA Smiley has an immediate effect on behaviour where road users are particularly vulnerable to road traffic. It also offers **unbeatable value for money**, making it an especially attractive option.

Break bad driving habits with a smiley. With its highly accurate measuring equipment and large, two-colour LED display, the VISTA smiley can directly influence drivers' behaviour. The two **symbolic colours of red of green** act as an unconscious reminder to road users to observe the speed limit – one they won't forget in a hurry.

The much-loved **smiley adds an extra psychological dimension**. While the happy smiley rewards road users for careful driving, the sad smiley helps drivers notice when they're going too fast.

Key features

- Light weight
- Can be installed and set up easily by one person
- Quick and easy to move
- Simple to install
- Bright display featuring high-performance triple-row LEDs
- Magnetic key for added ease of use



The two smilies can be set up separately for different speeds, or switched off altogether.

The slimline design, at only **58mm thick**, and the **lightweight plastic housing** make the system easy to handle.



The light sensor automatically adjusts LED brightness

Easy to use: The system can be set up using the magnetic key (next to the light sensor), without having to opening the housing.

i VISTA Smiley product information

- Two-colour LED display with automatic brightness adjustment
- Light weight makes it easy to handle
- Dimensions: W 610 x H 480 x D 58 mm
- Choose settings to suit the situation
- 'Permanent' or 'flashing' measurement display
- Two-digit LED display for speeds up to 99 km/h (62 mph)
- Surround signage can be customised with a message of your choice

Accessories for VISTA Plus & Vista Smiley



Side view of standard fixings with "Pipe clamp"

Standard fixings

Surrounds are designed to be fixed to standard tubular signage posts (60 or 76mm diameter) as standard using either pipe clamps (supplied) or hose clips. They can also be attached to streetlights, lamp-posts or signage poles.

Alternatively, you can also use our adjustable, lockable solo fixing system.



Pipe clamp (standard)
Hose clip (available separately)

Alternative fixings: The 'Solo fixing'

Need to monitor traffic on the move? Add our practical solo fixing system to your VISTA Plus or VISTA Smiley.

It allows you to fix the system and its battery pack on a moveable base, making it easy to install and use straight away, wherever you need it. And as its name implies, it can be easily transported and set up by just one person.

Did you know?

You can find step-by-step instructions on how to attach the solo fixing system on our YouTube channel. Why not take a look?



Side view of the lockable solo fixing system

Customisable surround signage to get your message across!



Grab motorists' attention with the perfect surround

Our popular surrounds are perfect for getting the right message across in specific locations, whether you're monitoring traffic outside schools, nurseries, retirement homes, in traffic calming zones or on the approach to a built-up area.

Simply hold the surround in place and attach it from the back with just two screws (supplied).

And as you would expect, we can customise your surround to suit your individual needs too!

VISTA Plus & VISTA Smiley Power supply



Can be powered using batteries, a mains connection or an overnight charge (via street lighting)

Battery power is our tried-and-tested standard power solution. Depending on traffic volumes and ambient light levels, our batteries will last 4-6 days between charges.

We can also supply the system with an uninterrupted power supply that recharges the battery using the street lighting circuit.

The VISTA can also be powered using an external mains electricity supply.



Solar assistance with 50 W panel

i Also available: Solar power

Would you like to do away with charging and replacing batteries, and save time and money too? Then our solar-assisted charging system is the perfect solution for you!

The 50-watt solar-panel is used to re-charge the battery automatically. The panel comes complete with everything you need to install it.

Want to know more about the VISTA?
Give us a call – our team will be happy to help!

What our customers say



“ We find this equipment gives us a lot of advantages, especially in areas where we need to reduce the speed of the traffic, and where physical obstacles like speed bumps or traffic islands are unpopular, too expensive, or just not feasible. **The DFS 700 is quick and easy to install, and you can see people's driving behaviours changing straight away too .”**

Lee Benham - Newport City Council, Wales, UK

VeDasys

Do you want to monitor and analyse traffic levels on your roads? Our VeDasys traffic data collection system makes it easy.

The entire measurement system, including power supply, is built into one compact, waterproof, easy-to-handle package. The VeDasys can be easily attached to any pole or pipe, and features a 45° marking to make sure the system is perfectly positioned.

The VeDasys can be configured in a variety of different ways, allowing it to **monitor traffic in both directions**. The VeDasys also features a built-in length measurement sensor, meaning it can correctly **identify up to five types of vehicles**, e.g. vans, lorries, cars (with or without trailers), motorbikes and bicycles.

You can access **the collected data** at any time **for planning traffic systems and public spaces**. When it comes to planning traffic systems, data analysis tools are key. With the VeDasys from Bremicker, you'll have everything you need at your fingertips.

Key features

- Lateral radar
- Covers traffic moving in both directions
- Quick and easy to move
- Works with 5 vehicle classes, including bicycles
- A perfect complement to display equipment



Powered by batteries.

What our customers say



“Stendal Council's town planning office is very satisfied with the *VeDasys*. It's very light and has a very simple mounting system, so it can be easily set up and dismantled by one member of staff. [...] The speed and clarity of the traffic data it produces is especially impressive.”

Thomas Müller - Stendal Local Council, Sachsen-Anhalt, Germany



Can be powered using batteries, a mains connection or an overnight charge (via street lighting).

DFS 700

More safety in a few simple steps – and great value too!

Our DFS 700 speed warning system combines an innovative display system with cutting-edge technology.

Excessive speed is a factor in most road traffic accidents, with all the negative consequences they can bring. The DFS 700 is a **fully-fledged, easy to install** traffic calming solution.

The DFS 700 can be set up to prevent it detecting traffic moving below a certain speed, ensuring it ignores pedestrians and cyclists. Setting a maximum speed limit prevents the limit from being deliberately exceeded, meaning the DFS 700 provides you with **conclusive, usable** data.

Key features

- Retrieve data using a USB stick for use with a PC-based local data connection, or use a bluetooth stick for a wireless PC connection.
- User-friendly software shows date, time and speed data.
- Two-and-a-half digit LED display suitable for use outside built-up areas.



secure traffic solutions:
modular, interconnected and reliable

www.dkt-international.com

DKT DEUTSCHE KENNZEICHEN TECHNIK GMBH

HEADQUARTERS: LADESTRASSE 1 • D-22926 AHRENSBURG • +49 4102 8043400

PRODUCTION, MARKETING, ADMINISTRATION: AM ÖFERL 37-43 • D-82362 WEILHEIM I.OB • +49 881 642-0

INTERNATIONAL SALES DEPARTMENT: GEWERBESTRASSE 8 • D-87787 WOLFFERTSCHWENDEN • +49 171 7734939

INFO@DKT-INTERNATIONAL.COM • WWW.DTK-INTERNATIONAL.COM • GERMANY

DKT
SECURE TRAFFIC SOLUTIONS