

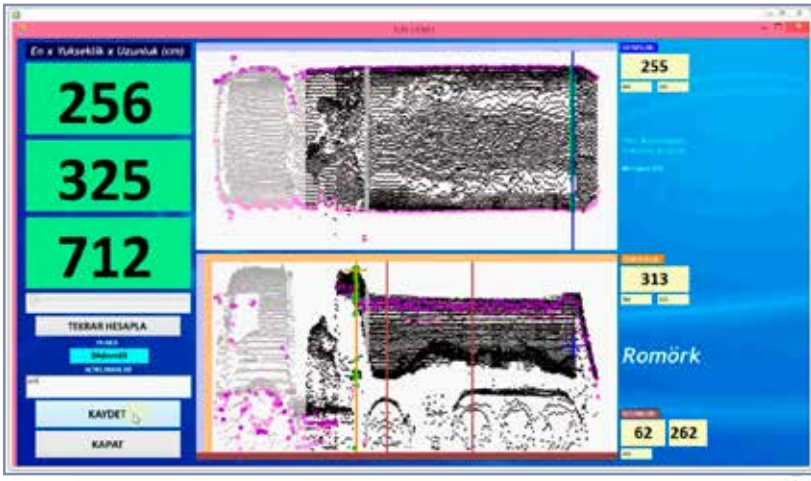


TRUCKSCAN

AUTOMATIC VEHICLE DIMENSION MEASUREMENT SYSTEM

- ✓ High Measurement Accuracy
- ✓ Low Investment Cost
- ✓ Short Period Of Installation and Start-Up
- ✓ Automatic Calibration
- ✓ 3 Dimension Vehicle Profile Imaging
- ✓ High Performance At All Weather Conditions





TRUCKSCAN

AUTOMATIC VEHICLE DIMENSION MEASUREMENT SYSTEM

TRUCKSCAN automatic vehicle dimension measurement system is designed to measure length, width and height of the vehicles with using advanced technology. This system is mainly used at Vehicle Inspection Stations, Legal Authority and Institution, International Transport and Logistics Companies, Vehicles and Vehicle Equipment Manufacturers, Logistics Service Areas for the purpose of measuring vehicles' dimensions.

In principle, the system works with laser sensor technology, it measures the width, height, and length of vehicles through scanning them automatically. The results which is obtained in a very short time and the vehicle's scanned three-dimensional profile can be transferred to the computer. Also, optionally the external display shows the measurement results, number plates and vehicle class can be determined. It is also possible that all data can be recorded to the DMS Dimension Measuring Software databases. As an option all data can also be transferred to the central network unit and it is provided to make integration of existing automation systems.



■ DMS Dimension Measurement Software



Dimension measurement processes occur very easy and quick with DMS software. Daily, monthly or any two dates based detailed reports with respect to any data fields numberplate, customer and all other informations can be displayed on the screen or can be printed. It is also possible to save the reports to MS Excel.

— + — Options —



IP Camera- Number Plate Identification

IP Camera is used for measurement security or transferring photos to the database. Recorded photos and data can be displayed on the screen or they can be printed. In addition, the camera software and hardware can be added to read vehicle numberplates automatically and transfer them to the database.



Traffic Lights

It is used for the organization of the vehicle's entry and exit traffic by the commands received from the system where the serial and intensive traffics are valid.



Message Terminal

It is used for observing the measurement values to inform the drivers visually.



Vehicle Classification System

The automatic vehicle classification system determines the class of vehicles automatically. Number of axles and axles sets are counted.



Axle Scale

The Axle Scales are used for the determination of the axle weights of vehicles. They present two weighing options such as Static Weighing when the vehicles bring their axles on the weighing platform and stop there and Dynamic Weighing when they pass over the weighing platform within the speed limits.



■ DMS-S Static Dimension Measurement System

DMS-S static dimension measurement system is specially designed for facilities like Vehicle Inspection Stations which has limited space and vehicle must be stable during process. The dimension measurement process occurs with scanning the vehicles through the special rail system which is placed on the working space.

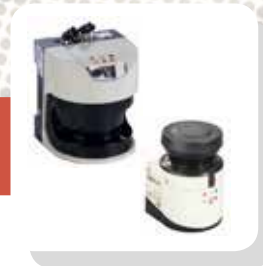


■ DMS-D Dynamic Dimension Measurement System

DMS-D dynamic dimension measurement system is specially designed for facilities like vehicle weighing and dimension control stations, international transport and logistics companies, logistics service areas, port management where the serial and intensive traffics are valid. The measurement process occurs while the vehicles are passing from the dimension measurement system which is placed on the field determined before.

The Importance of Automatic Dimension Measurement System For Companies and Institutions

- It is extremely important in terms of fulfill the responsibilities towards accreditation bodies and legal authorities.
- Relevant institutions controls of vehicles compliance with the standards before leaving to the traffic and highway.
- It especially prevents irregular and dangerous loading for open-frame vehicles for achieving road and life safety.
- Continuity of quality and reliability can be brought under control.
- It eliminates the damage to the roads by preventing non-standard sized vehicle traffic on highways. In this way, the construction and operating costs can be reduced and gaining favor is achived on national economy.
- The accidents is reduced by preventing vehicles moving roadway with outside dimensions of standards.
- The most accurate and rapid realization of operations can be achieved at Vehicle inspection stations.
- It can be measured If the vehicles are produced with legal dimensions or not.
- The vehicles' tolerances can be determined not to face punishment during vehicle inspection stations or on the traffic.



Technical Specifications

Explanation	DMS-D	DMS-S
Measuring Technique	Laser Scanner - Class 1	
Scanning Frequency	50 Hz	
Maximum Vehicle Speed	140 km/h (only height) 20 km/h (all dimensions)	-
Scanning Angle	270° with 0.25° / 0.5° gaps	
Accuracy	± %2	
Communication	Ethernet, TCP-IP	
Filters	Fog, Rain, Snow Filtration / Software – Hardware Components	
Required Field	4x40 m	4x25 m
Field Slope	Maximum ± 8 mm	
Working Temperature	-10 °C ... +40 °C	
Supply Voltage	220 V AC / 24 V DC	220 V AC / 24 V DC - 380 V AC



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