

safety and flow



OHVDS

OVERHEIGHT VEHICLE DETECTION SYSTEM



Overheight Vehicle Detection System

The Overheight Vehicle Detection System (OHVDS) uses LIDAR or optical gates to measure the height of vehicles in real time. LIDAR or optical gates are placed above the traffic lanes. LIDAR is positioned in front of objects such as bridges or tunnels, scanning approaching vehicles and measuring their height. Optical gates operate on a similar principle, emitting a beam of light or laser that is interrupted by a vehicle exceeding the height set by the system. In both cases, when the system detects an overheight vehicle, it can trigger an alarm, VMS sign, or other safety measures such as traffic stop or driver warning display. This allows the OHVDS system to prevent collisions and infrastructure damage caused by vehicles exceeding the permitted height on a given route.

If the system is equipped with a CCTV camera or ANPR camera, it can additionally identify vehicles that violate regulations. The OHVDS system can communicate with the master system using selected communication protocols. When appropriately configured, it can send email notifications about vehicles exceeding the permissible height.

Karta przejazdu

80 km/h
Waga 38293 kg
Długość 20.47 m
Kategoria 8

Stacja: WIM_Cibory_Rétioc, Lokalizacja: MOP Cibory PN, Miasto: Warszawa, Droga: S8, Piletaż: 23.575

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Kategoria 8+1: 8	Kategoria COST 323: 6	Kategoria EURO 13: 20
Rozstaw osi: od 1-2: 5.78 m	od 2-3: 7.27 m	od 3-4: 1.25 m
Nacisk koła (strona lewa) [t]: koło 1: 3247 kg	koło 2: 6784 kg	koło 3: 2448 kg
Nacisk koła (strona prawa) [t]: koło 1: 3226 kg	koło 2: 6789 kg	koło 3: 2227 kg
CAMP 4402 [ms]		
Szerokość: 2.77 m	Wysokość: 4.50 m	Pozycja względem środka pasa: 0.29 m

	Pomiary			Niepewność pomiaru	
	Dopuszczalne	Zmierzone	Przekroczenia	Wartość minimalna	Wartość maksymalna
Nacisk osi 1	16000 kg	6273 kg	-	2819 kg	7933 kg
Nacisk osi 2	11500 kg	11573 kg	73 kg	1072 kg	12383 kg
Nacisk osi 3	11500 kg	6672 kg	-	6204 kg	7139 kg
Nacisk osi 4	11500 kg	6681 kg	-	6275 kg	7146 kg
Nacisk osi 5	11500 kg	6794 kg	-	6318 kg	7269 kg
Waga	40000 kg	38293 kg	-	35652 kg	40973 kg
Grupa osi 1	24000 kg	20147 kg	-	18736 kg	21557 kg

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