



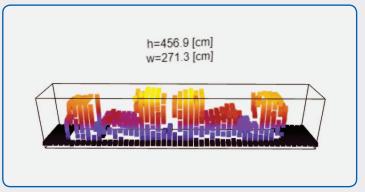


## **Overheight Vehicle Detection System**

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.







http://apm.pl/pdf/en/OHVDS.pdf