

SMART CROSSWALK



Rapid response



Remote control
and monitoring

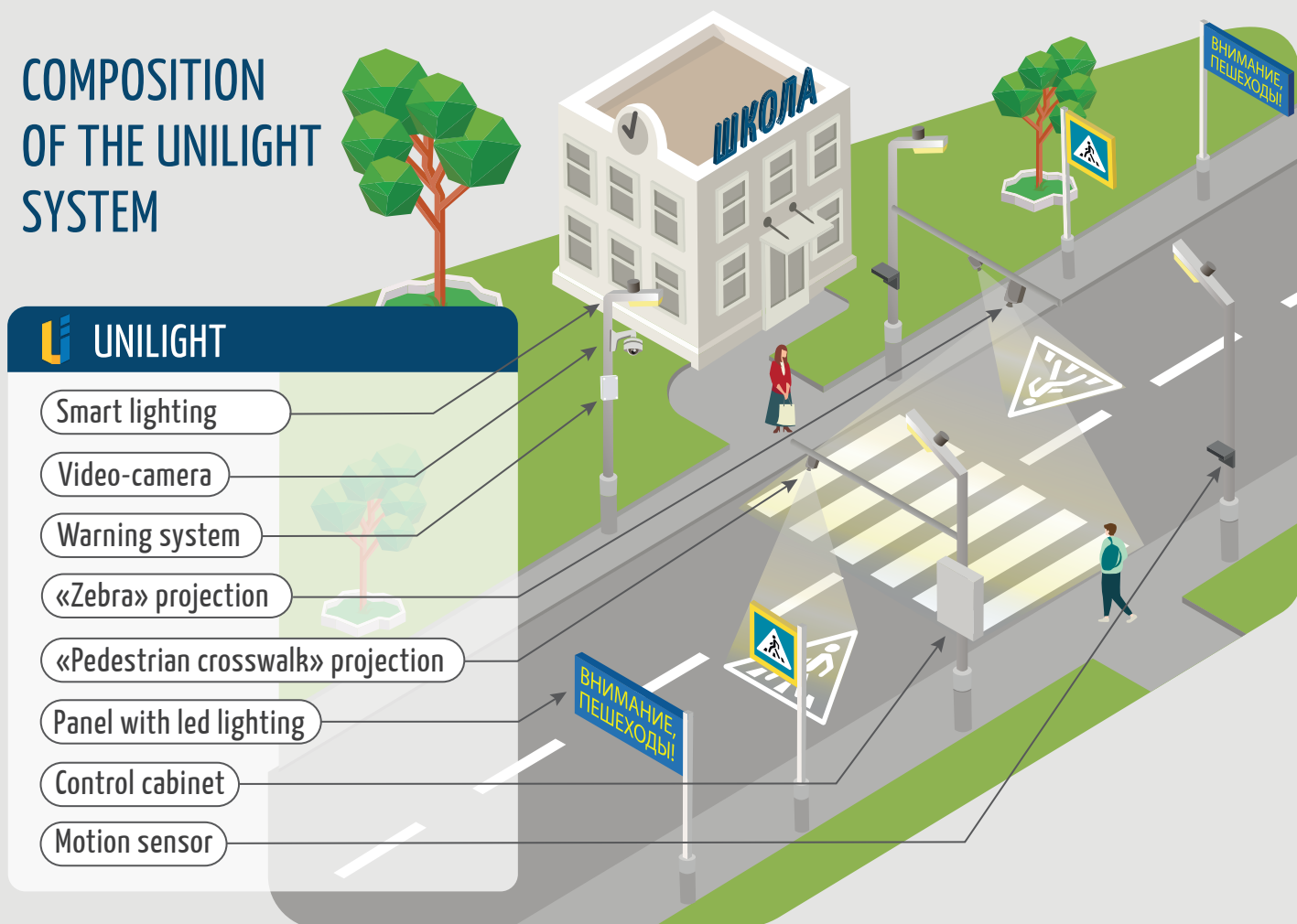


Security

The solution is suitable for the tasks of national programs:
«Intelligent transport system»
«Digital economy of Russia 2024»
«Safe and high-quality highways»

A unique software and hardware complex that significantly increases the safety of pedestrians and reduces the likelihood of hitting cars in the area of an unregulated pedestrian crossing.

COMPOSITION OF THE UNILIGHT SYSTEM



115280, Moscow, Leninskaya Sloboda Street, 19/6
+7 (495) 139-62-77; office@unilight.ru
www.unilight.ru



STRUCTURE OF SYSTEM

LAMPS CONTROLLED BY UNILIGHT MODULES

Light flow control via GSM(3G), LoRa, NB-IoT channels.
Enclosure options: NEMA, SR, BOX.

The system allows you to use any type of luminaires equipped with drivers with 0/1-10 or DALI control protocols.



PANEL WITH LED LIGHTING

They are installed 50-100 meters before the pedestrian crossing.

**Внимание,
пешеходы!**

They receive a command to turn on and start flashing when a pedestrian appears.

VIDEO ANALYTICS



Counting the flow of pedestrians and various vehicles.
Detection of illegal actions.
Rapid transfer of information to the UNILIGHT system.

DATA COLLECTION AND PROCESSING CABINET



Processes the received data from sensors and sends signals to turn on the tableau. Transmits the received information to the system.

SOFTWARE

- ▶ Interactive diagram of a smart pedestrian crossing with all elements displayed and pedestrian animation
- ▶ Display of the counter of passing pedestrians and passing cars
- ▶ Notifications in case of hardware failure
- ▶ Notifications in case of an accident
- ▶ Ability to create a monitoring system for all smart pedestrian crossings in the city

ADVANTAGES OF THE SYSTEM

- ▶ Warning drivers about the appearance of a pedestrian
- ▶ Explicit selection of the pedestrian crosswalk area
- ▶ Pedestrian protection by an intelligent system
- ▶ Displaying the transition on the map of a city or road
- ▶ Collecting and storing data
- ▶ Output statistics in the form of reports and graphs
- ▶ Remote setting of operating modes

PEDESTRIAN WARNING SYSTEM



A system that informs pedestrians when a car is approaching at a speed exceeding 50 km/h. It consists of a speed detection radar and an audio notification speaker.

MOTION SENSOR

Record the presence of a pedestrian at the crossing and transmit data to the data collection and processing Cabinet.



ADDITIONAL ELEMENT



Depending on the configuration, the complex may also include additional elements such as pedestrian crossing signs with led lights or strobe lights, a projection of the pedestrian crossing sign on the asphalt, etc.

