Makvin. See everything. Control from anywhere.

An all-in-one autonomous video surveillance system offering total independence and full mobility.



Makvin-Ready Video Surveillance System

Central remote unit with built-in storage of up to 8 TB and support for up to 8 cameras. Fully autonomous for 24+ hours, IP64–65-rated, quick to deploy, and operable in any environment — delivering true platform versatility.



Three Central Remote Control Variants

Choose from wired, wireless, or hybrid configurations — tailored to your deployment needs and site conditions.

Each remote is designed for different application scenarios, ensuring maximum efficiency and convenience.

Model	Main features
Wired	Reliability and autonomy for posts
Wireless	Free placement, built-in GSM
Combined	Versatility, support for all types of cameras

Wired Remote: Reliable Long-Term Operation

18.5" Full HD screen for crisp imaging, keyboard and touchpad controls, support for up to 8 cameras with power-over-cable, and up to 8 TB of onboard storage.

Ethernet and USB ports for external devices, up to four 80 Ah batteries deliver 24 hours of runtime, charge status indicator, IP64 rating, and built-in keyboard with touchpad ensure stable performance from –10°C to +40°C.



Cables and Accessories: Complete Set and Convenience

Accessory	Purpose
Starter cable 100 m	Connecting the remote control and the camera
Extension cable 100 m	Increasing distance
Cable reels	Quick installation and dismantling
Camera and tripod case	Transportation and storage
Charging unit for 10 batteries	Mass charging of batteries

Starter and extension cables, coils, cases and chargers ensure easy preparation and reliable operation of the Makvin complex.

All peripherals are designed for quick installation and convenient maintenance of the system without unnecessary time.

Wireless Remote: Mobility Without Compromise

Freedom from wires in all conditions

Support for up to 8 wireless cameras and a GSM module allow broadcasting and recording regardless of the power supply. Built-in Li-Ion batteries provide up to 18 hours of battery life on a single charge.

Support for long-term operation and charge monitoring

When connecting external batteries, the battery life increases to 24+ hours. The remote informs you about the state of charge of its battery and each camera, and IP64 protection guarantees reliability in bad weather.



Combo Remote: The Best of Both Worlds



Flexible connection of cameras

Simultaneous operation with 8 cameras of any type-wired and wireless-allows you to quickly adapt the system to current tasks without changing the remote control.

Long-term autonomy and control

Powered by internal batteries plus plug-in external packs for over 24 hours of total runtime. Charge indication, Ethernet, and USB interfaces ensure full control and operational convenience.

Features of Battery Packs for the Central Control Panel

Lead-Acid Battery Pack

Equipped with two batteries and a 220 V charger. Built-in charge level indicator. Can function as a UPS and support parallel charging of additional battery units, enhancing overall system reliability.



Li-Ion Battery Pack

Compact and highly portable. Delivers high capacity and dependable runtime — ideal for mobile surveillance applications.

Wired Video Camera Connection Block: Reliability and Scalability

Reliable signal and power transmission

A single cable provides communication and power to the camera at a distance of up to 800 meters. Between blocks, cascading transmission of up to 200 meters between blocks is possible, which expands the observation areas without loss of quality.

Quality in difficult conditions

The cameras support a resolution of up to 4K,the units are equipped with industrial connectors and have an IP65 protection class, which guarantees resistance to dust, precipitation and frost for year-round operation.





Wireless Connection Block: Mobility and Autonomy

Independence from the power grid

The wireless connection unit is equipped with a 9.6 Ah Li-Ion battery, which allows you to place cameras far from power sources without wire restrictions.

Hot-swappable batteries and protection

Two hot-swappable batteries support continuous operation of the camera, while the industrial grade IP65 protects against weather conditions in all conditions.



Wireless Camera Battery Installation and Charging Unit

Provides connection and quick replacement of two battery packs without stopping the video surveillance operation, which is critical for ensuring the continuity of monitoring.

Also, this unit can provide a charge of installed batteries from the 220 V network, which allows you to ensure readiness for operation in any conditions and quickly restore the system's performance.



Tripods and Platforms: Mobility and Precision Aiming

The standard aluminum tripod weighs 6 kg and folds up to 1.3 meters, unfolding up to 3.4 meters — it is easy to carry and quickly install at the observation site.

The reinforced tripod is designed for heavy cameras and extreme working conditions. The remote-controlled platform allows you to precisely rotate and tilt the camera without the need for physical intervention.



Storage, Transport and Installation Kits

Cable Reels

Convenient coiling for up to five cables, significantly speeding up deployment and teardown — especially valuable in dynamic operational environments.



Protective Transport Cases

Designed for safe transportation of cameras and tripods, effectively shielding equipment from damage and environmental exposure in the field. Ergonomic design simplifies handling.



Cable Infrastructure: Starter and Extension Cables



100-meter starter cables feature industrial-grade protected connectors and comply with UHL 1-2 climatic standards (GOST 15150-69), ensuring stable equipment performance.

Extension cables share identical specifications and are used to increase connection distances. High-reliability connectors ensure stable video data and power transmission.

Construction, Industrial Sites and Quarries

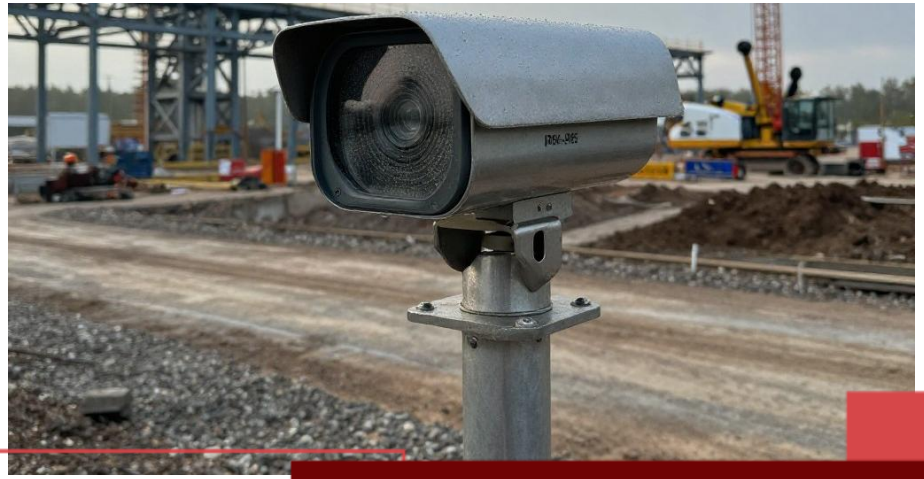
Maximum field autonomy

The lack of an electrical network does not interfere with video surveillance — the autonomy of remote controls and cameras for more than 24 hours allows you to control the object without interruptions and additional power sources.

Reliable protection and stability of operation

The system can withstand dust, moisture and dirt according to IP64–IP65 standards, as well as temperature fluctuations. This ensures stable video surveillance in all weather and industrial conditions.







Field Exercises, Mass Events, Security

1. First, wireless remotes and cameras provide instant deployment. Video is transmitted via GSM communication even in places with limited infrastructure, which guarantees communication with the command center.
2. Second, the combined mode captures the benefits of mobility and stationarity simultaneously. Recording runs smoothly in the event of a sudden power outage, and cascading cameras expands the monitoring area.

Logistics, Warehousing, and Transport Facilities

Flexible organization of video monitoring

The system allows you to quickly install video surveillance on a new site when changing the control point, providing continuous monitoring in dynamic conditions of logistics and warehouses.

Mobility and Rapid Reinstallation

The system transports easily in compact cases or backpacks. Cameras can be installed up to 800 meters from the remote without additional amplifiers, simplifying relocation to any site.

Makvin — Full Control in Any Condition

Makvin combines autonomy, range, reliability, versatility, and ease of deployment. A complete professional video surveillance solution that saves you time and resources.