MUROM

AUTONOMOUS TRANSPORTABLE SYSTEM OF VIDEO AND THERMAL IMAGING SURVEILLANCE

SPECIAL EQUIPMENT

MUROM

Autonomous transportable system of video and thermal imaging surveillance MUROM is designed for round-the-clock remote monitoring of protected lines (areas, sites, objects) and transmitting signals of intruder detection occurrence and location.

PECULIARITIES

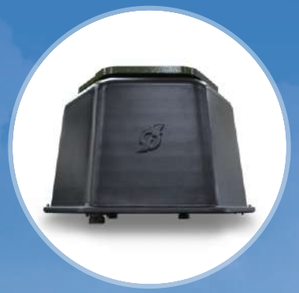
- fast deployment (30 min.) and long-term operation
- high degree of mobility
- automatic target scanning, detection and tracking
- autonomous power supply
- remote monitoring and control
- vehicle-based capability of system operation
- self-security system
- communication system
- possibility to expand security capabilities

2 SPECIALIZED SYSTEMS FOR SECURITY FORCES - MUROM 1SV AND MUROM-P - WERE DEVELOPED ON MUROM BASIS

The system is of prefabricated design. It is supplied in protected cases for simple storage and transportation

The system is applicable both for protection of temporary deployment sites and stationary objects

MAIN ELEMENTS



RADAR

2 300 м
intruder detection range

360°
observation angle

COMMUNICATION SET

8 000 м
operational situation reporting

LASER RANGEFINDER

5 000 м
determining azimuth and range to target

VIDEO THERMAL IMAGING SYSTEM

10 000 м
person detection range (day)

4 000 м
person detection range (night)

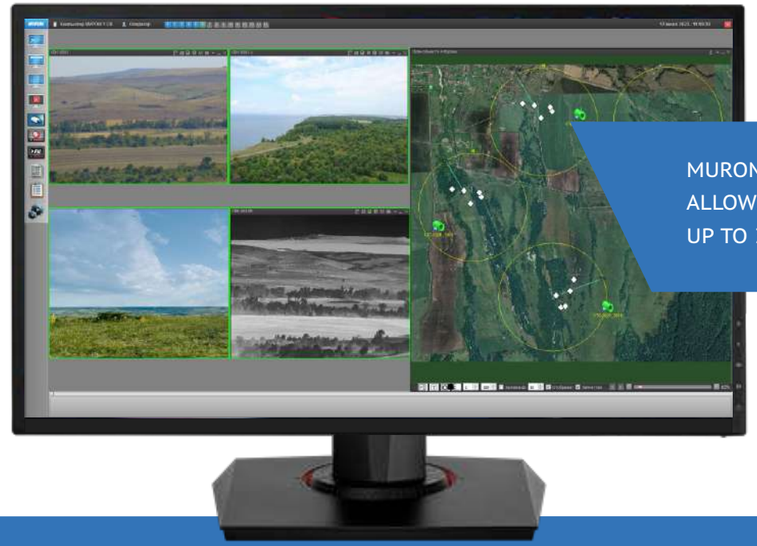
AUTONOMOUS POWER SUPPLY SYSTEM

solar panels
and gasoline generator

SELF-SECURITY SET

security sensors and personnel alarm notification set

MUROM SPECIAL SOFTWARE



MUROM SPECIAL SOFTWARE
ALLOWS TO USE TOGETHER
UP TO 32 SYSTEMS

- intelligent video image analysis with target classification by type (human, car)
- video archive, cyclic overwriting mode
- display of cartographic information, mapping target coordinates
- control of system components
- "joint" work mode with other technical security equipment
- operator work control mode
- data exchange with "stationary" post

TECHNICAL PARAMETERS

Target detection range by a long-range video camera, m - "human" type - "vehicle" type	 up to 10000 up to 10000
Target detection range by thermal imaging camera, m - "human" type - "vehicle" type	 up to 4000 up to 7900
Video resolution at 25 fps, pixels - thermal imaging camera - long-range camera	 640x480 2592x1944
Video camera viewing angle, degrees - horizontally - vertically	 360 ±45
Range of radio relay communication channel, up to, km	8
Information transmission bandwidth over radio channel, at least, Mbps	40
Solar module capacity, W	400
Overall capacity of battery units, Ah	200
Mast height, m	5,2
Time to enter the operating mode, min	5
System weight, up to, kg	680
Temperature mode of system equipment operation, °C	from –40 to +50
SELF- SECURITY SET*	
Detection range of moving intruder by STS-102P infrared intrusion sensor, m	50
Maximum range of alarm notification transmission from STS-102P sensor to Unicom-1-N wearable set, up to, m	1000
RADAR SURVEILLANCE SET*	
STS-177 radar target detection range ("human" or "car" type), up to, m	2300
Operating frequency bandwidth, MHz	from 5350 to 5650

* Quantity is specified in the delivery contract

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