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Иваново (4932)77-34-06

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Симферополь (3652)67-13-56  
Смоленск (4812)29-41-54  
Сочи (862)225-72-31  
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Сургут (3462)77-98-35  
Тверь (4822)63-31-35  
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Тула (4872)74-02-29  
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Челябинск (351)202-03-61  
Череповец (8202)49-02-64  
Ярославль (4852)69-52-93

Киргизия (996)312-96-26-47

Россия (495)268-04-70

Казахстан (772)734-952-31

<https://optosky.nt-rt.ru/> || [otp@nt-rt.ru](mailto:otp@nt-rt.ru)

## Система лесного контроля и предупреждения о пожаре с БПЛА

## UAV Forest Inspection & Fire Warning System



Checking is an essential part of forestry administration, forestry is a big forest resources in our country, but also multiple national forest fire, the fire rescue cost a great deal of manpower and material resources and financial resources, forest fire on the forest resources and ecological environment caused incalculable loss, and the traditional manual operation cannot effectively prevent fire, real-time monitoring of the fire situation.

Traditional forestry resources monitoring and inspection work, labor intensity is high, labor cost is high, efficiency is low, and it is difficult to quickly control the overall situation; but the satellite inspection period is long, the time efficiency is poor, the spatial resolution is poor, cannot satisfy the real-time request.

Traditional manned aircraft have improved the problems of timeliness and manual patrol inspection, but in the harsh environment such as forest fire, flight safety will be seriously threatened, and it is greatly affected by the environment, airspace and so on, and the maintenance cost is high, so it is difficult to meet the needs of daily patrol inspection of forestry. It has become an urgent and urgent task for forestry management to seek a new high-tech means to be applied in forest resource monitoring, forest fire prevention and forestry law enforcement.

GA900 is a new type of powerful and reliable uav forest patrol and fire early warning system launched by Aup Tiancheng. It can patrol the forest situation, and can warn the occurrence of fire in advance, prevent from unburned, reduce the disaster area and disaster loss of fire.

At the same time, it can also mount fire extinguishing powder and other fire extinguishing equipment for fire extinguishing;

In addition, it also mounts the long-range propaganda device, may carry on the scene command, dispatches the scene staff.

## Product background

Forestry inspection is an indispensable part of forestry management. my country is a country with large forest resources, but it is also a country with frequent forest fires. Fire rescue consumes a lot of manpower, material and financial resources. Forest fires have caused incalculable forest resources and ecological environment. However, traditional manual operations cannot effectively prevent fires and monitor the fire situation in real time.

Traditional forestry resource monitoring and inspection work is labor intensive, labor cost high, low efficiency, and difficult to quickly control the overall situation; while satellite inspection cycle is long, timeliness, and spatial resolution are poor, which cannot meet real-time requirements.

Traditional manned aircraft has improved the timeliness and manual inspections. However, in harsh environments such as forest fires, flight safety will be seriously threatened, and will be greatly affected by the environment and airspace, and the maintenance costs are high and difficult to meet the daily inspection requirements of forestry.

Seeking for a new high-tech method to be applied to forest resource monitoring, forest fire prevention and forestry law enforcement has become an urgent and urgent issue in forestry management.

ire early warning: Through constant wave ultra-infrared imaging, fire spots can be found in advance to prevent from non-ignition.

Forest inspection: fast, accurate, large-scale and real-time.

Built-in megaphone: It can conduct on-site command and dispatch on-site staff.

Fire extinguishing powder can be mounted: participate in on-site fire fighting.

Easy to use: Simple training is required for accurate operation. ;

On-site testing: the equipment and other accessories required for testing are all packed in the instrument case of about 40 inches of luggage.

Fire police

Model	Feature
GA900	Multi-rotor UAV, flight time 20 minutes
GA900 Pro	Multi-rotor UAV, flight time 1 hour
GA900 FX	Fixed-wing uav, vertical take-off and landing, oil and electric hybrid, flight time up to 8 hours

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