

ARS-2

ARS-2 is light multi-purpose unmanned aerial vehicle of aircraft type. Take-off “from a hand” or by a catapult, landing as an airplane. The payload is a day or night gyro-stabilized camera. It works in a unified data network.



Main performance data

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|-----------------|---------|
| Endurance | 3 hours |
| Operative range | 25 km |
| Payload | 0.6 kg |

MAIN CHARACTERISTICS

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| Missions | <ul style="list-style-type: none">• Surveillance and Reconnaissance• Artillery fire correction• Patrol for Base perimeter, State border• Convoy security |
| Standard system | <ul style="list-style-type: none">• Three aircrafts• Ground control station• Communications system (repeater)• Payload:<ul style="list-style-type: none">○ 2 Gyro-stabilized cameras in the visible spectrum○ 1 day/night gyro-stabilized camera• 6 sets of batteries (2 sets/aircraft)• Charging station• Spares, supplies, maintenance set• Shipping containers |
| Length/wingspan | <ul style="list-style-type: none">• 1.2 x 2.5m |
| Max. weight | <ul style="list-style-type: none">• 4.5 kg |
| Operative range | <ul style="list-style-type: none">• 25 km |
| Endurance | <ul style="list-style-type: none">• 3 hours |
| Velocity | <ul style="list-style-type: none">• 70 – 90 km/h |
| Navigation | <ul style="list-style-type: none">• GPS/GLONASS |
| Launching/recovery | <ul style="list-style-type: none">• Automatic Take-off, manual landing |
| Payload | <ul style="list-style-type: none">• Up to 0.6 kg• Gyro-stabilized optical reconnaissance station in the visible spectrum<ul style="list-style-type: none">○ HD video - 1280 x 720○ 10x optical zoom• Day/night gyro-stabilized optical reconnaissance station<ul style="list-style-type: none">○ Video – 640 x 480○ 8x digital zoom |
| Communications | <ul style="list-style-type: none">• Transceiver 5 GHz• Up to 25 km |
| Ground control station | <ul style="list-style-type: none">• Digital ground station including controls for ground or aerial vehicle and payload, a control panel for displaying flight and telemetry information, video information display, data processing computer, communication equipment and an autonomous power supply system |
| Portability and deployment | <ul style="list-style-type: none">• Two persons crew• Hand-launched• Mounting and dismounting in 5 – 10 min |