

**LUCH**  
STATE KYIV  
DESIGN BUREAU



**UKROBORONPROM**  
Ukrainian Defence Industry



# SARMAT

SYSTEM



**SARMAT system** is designed to equip various combat vehicles, light ships and coast guard motorboats.

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It is used to hit static and moving modern armoured targets with combined, carried or monolithic armour, including explosive reactive armour, as well as pinpoint targets like permanent fire positions, tank in a trench, lightly armoured objects, hovered helicopters, waterborne targets and manpower of enemy at any time of day or night.

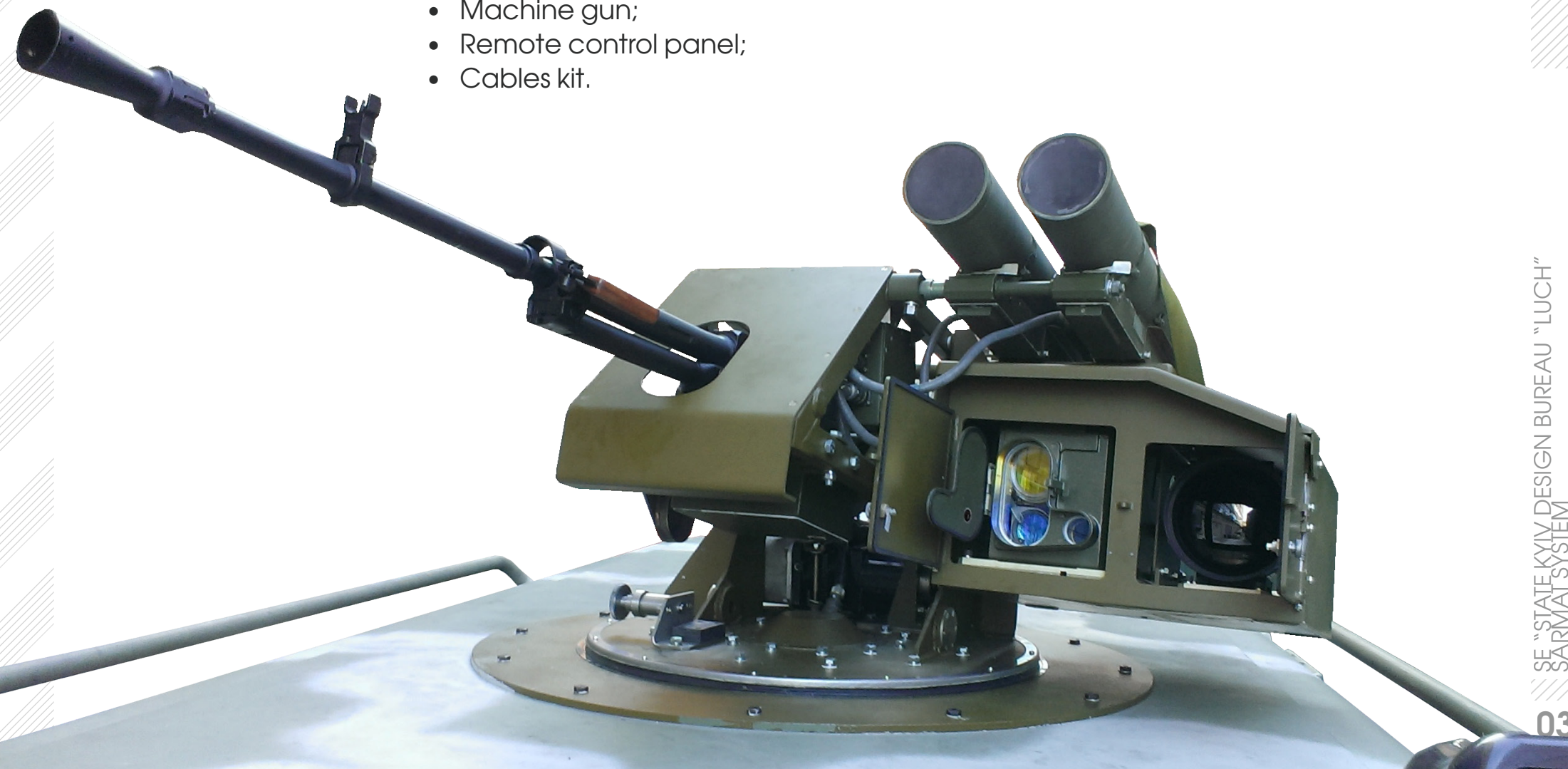




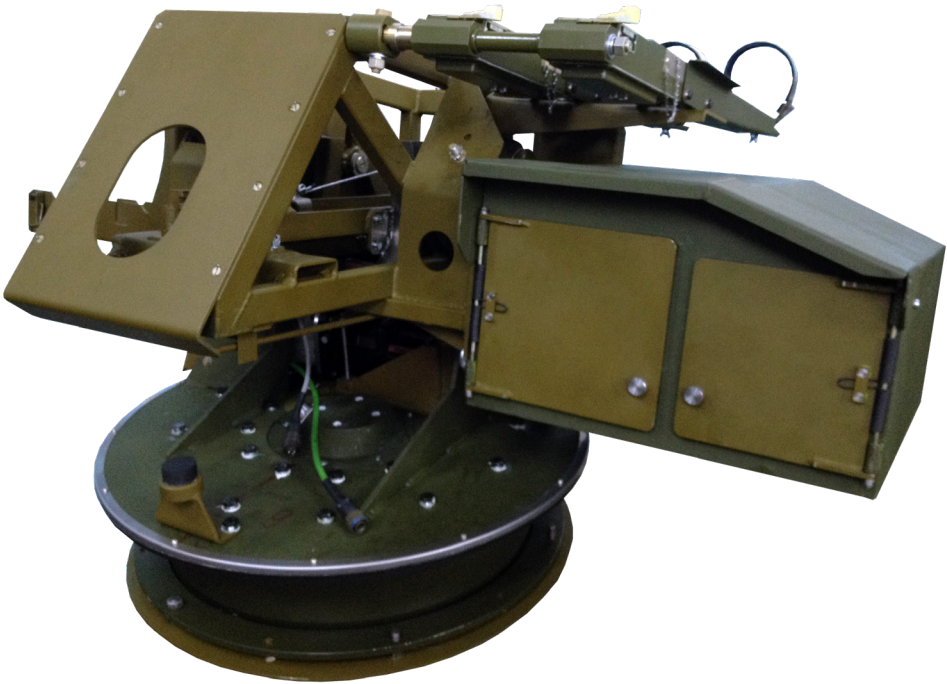
# COMPOSITION

SARMAT system comprises:

- Combat module consists of:
  - Rotating platform with launching rails for missiles,
  - Power unit,
  - Guidance device,
  - Thermal Imager;
- Guided missiles RK-3 in transport and launching containers;
- Machine gun;
- Remote control panel;
- Cables kit.



# COMBAT MODULE



Mass of combat module with armament, kg	not more than 420
Overall dimensions with armaments, mm	2120x1300x610
Maximum azimuth and elevation turning rate, ... °/s	5
Guidance angles, ... °: <ul style="list-style-type: none"><li>• azimuth</li><li>• elevation</li></ul>	<div>±360</div> <div>from minus 8 to +40</div>
Readiness time, min	3
Operating temperature range, °C	from minus 40 up to +50

# ANTITANK GUIDED MISSILE RK-3



<b>Maximum firing range, m</b>	2500
<b>Guidance system</b>	semiautomatic by laser beam
<b>Warhead:</b>	
• tandem hollow-charge, armour penetration behind ERA, mm	not less than 550
• high-explosive fragmentation with EFP, armour penetration, mm	not less than 50
• thermobaric with TNT equivalent, kg	5,5
<b>Weight of missile in container, kg</b>	15,4
<b>Overall dimensions, mm:</b>	
• missile calibre	107
• container length	1180
• container outer diameter	113
<b>Operating temperature range, °C</b>	from minus 40 to +60

# MACHINE GUN CALIBRE-12,7



Sighting range of fire, m	2000
Caliber, mm	12,7
Rate of fire, rounds per minute	not more than 700
Type of fire	Single shot / Fully automatic
Weight, kg	25

# GUIDANCE DEVICE



Guidance device is designed to provide guidance to a target and to control missile flight.

Guidance device includes television channels of wide and narrow field of view, range finder, missile laser control channel.

At Customer's request guidance device is fitted with thermal imager.

<b>Guidance device mass, kg</b>	not more than 15
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<b>Overall dimensions, mm</b>	415x210x215
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<b>Guidance range, m</b>	not less than 5500
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<b>Television channels angle of FoV:</b>	
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- |              |               |
|--------------|---------------|
| • narrow FoV | 1°15' x 0°50' |
| • wide FoV   | 4°20' x 3°10' |



# THERMAL IMAGER



One of the latest models of Thermal Imager provides high technical performance of IR image passive processing by day/night and in poor visibility conditions on land, sea and for airborne missions.

<b>Spectral range, <math>\mu\text{m}</math></b>	8-12
<b>Field of view</b>	fixed
<b>Angles of FoV, ...°:</b> <ul style="list-style-type: none"><li>• azimuth</li><li>• elevation</li></ul>	4,16 3,32
<b>Electronic zooming</b>	2x; 4x
<b>Sensitivity, mK</b>	not more than 25

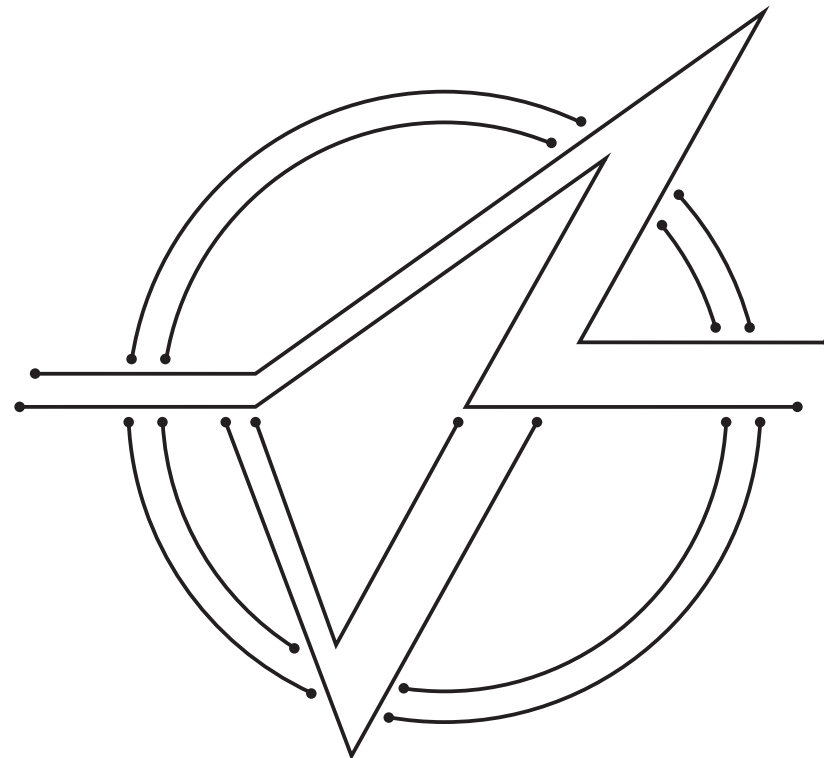


# REMOTE CONTROL PANEL



Remote control panel is designed for target selection by operator, missile launch and target tracking in manual or automatic modes over a distance from the launcher.

Type of electronic interface	CAN
Overall dimensions, mm	410x340x205
Screen diagonal, inch	12
Weight, kg	not more than 10
Maximum distance to launcher, m	up to 50



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