

# SINTEZ

FIRE CONTROL SYSTEM



# “SINTEZ” SYSTEM

«SINTEZ» - is a complex of hardware and software instruments, designed for stabilization of weapon, gun control and observation by means of electrooptic devices.

«SINTEZ» is easy and ergonomic system and doesn't require special skills of personnel

Possibility of integration on combat modules equipped with any weaponry for light armored vehicles

Increased pointing accuracy and weapon stabilization efficiency

The modular construction principle helps to expand the functionality of the system

Automatic target lock-on and its continuous tracking

High durability and resilience in critical temperatures, in dry climates and in high humidity

## COMPONENTS OF "SINTEZ" SYSTEM



CONSOLE

Sensors on a base of Hall effect

Construction ergonomic control panel

Protection – dust-proof and waterproof



DISPLAY

Display – 12 inches

Touchscreen – SAW

Thermal control matrix heating

Distinctive features – intuitive interface

● All necessary control information is on the display and control panel

● Aimed shooting at movable targets, as well as while moving, with a programmable rate of fire for guns and machine guns

● Built-in automatic ballistic computer, which allows to increase the rifle range



# COMPONENTS OF "SINTEZ" SYSTEM



CONTROL PANEL

Driver of electric engine control - 2

Command module - 1

Weapon module - 1

Video switching module - 1



STABILIZER ELEMENTS

Engine with feedback transmitter - 1

Sensor of weapon position in space - 1

Sensor of turret position in space - 1

The system is designed on a new modern electronic base using digital cable network

The ability of wireless control of the system using an encoded signal

Increased time of continuous operation in combat mode

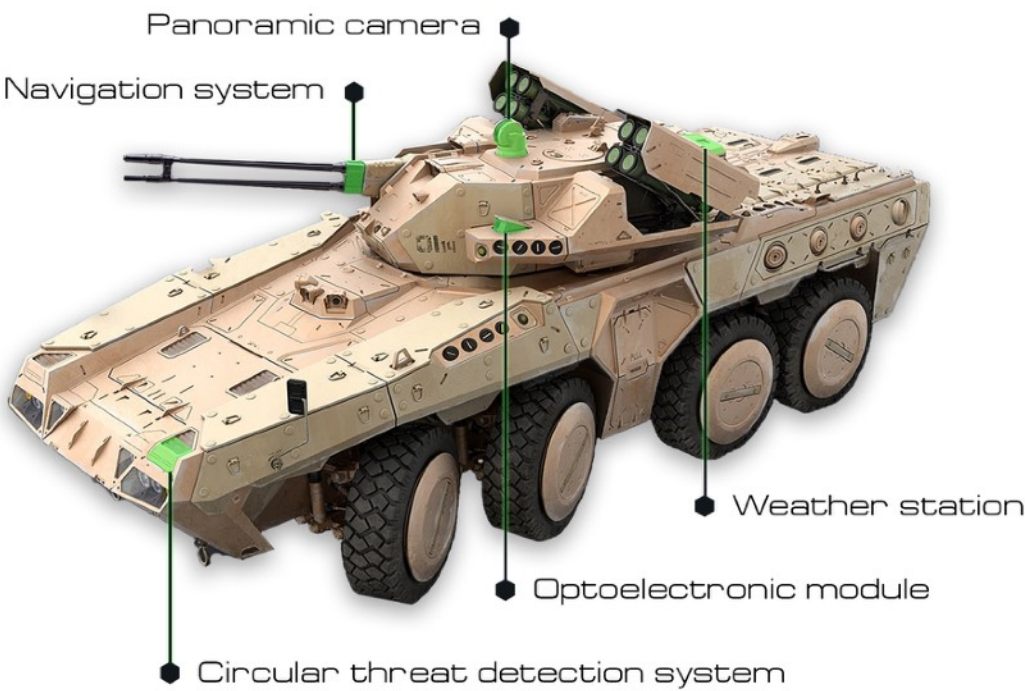






The universal system SINTEZ provides armament control for automatic turrets, armored vehicles, armored personnel carriers, infantry fighting vehicles, combat boats

## ADDITIONAL SYSTEM FEATURES



## TACTICAL SPECIFICATIONS

Параметр	Значения
1 TYPE OF WEAPONRY BLOCK STABILIZATION SYSTEM	BIAXIAL OR TRIAXIAL PLATFORM
2 MIN/MAX SPEED OF TURRET TOWER ROTATION	MIN 0,01 ° / S, MAX 50 ° / S
3 MIN/MAX MOVEMENT SPEED OF GUN VERTICALLY	MIN 0,01 ° / S, MAX 35 ° / S
4 MODES OF WEAPONRY AIMING	SEMI AUTO, AUTO, ATGR AIMING
5 AUTOMATIC TARGET RECOGNITION	UP TO 5
6 TARGET AUTOTRACKING	IS PROVIDED AT 0,058 MRAD PER SEC.
7 OPERATING TEMPERATURE	-40 ° + 60 °
8 AUTOMATIC DIAGNOSTICS OF SYSTEM BLOCK STATUS	IS PROVIDED
9 SPEED FOR SIGHT SHOOTING	NOT MORE 40 KM/H

# REMOTE SYSTEM CONTROL

Remote control unit provides remote armament control of the complex using broadband access and encoded signal systems. It Completely duplicates the functionality of control units located inside the armored vehicles (operator's place and commander's place)



**Target type: Air**

**Distance : 2,684 km.**

**Speed: 312 km/h**

**Status: Enemy**

**Target type: Tank**

**Distance: 0,986 km.**

**Speed: 0 km/h**

**Status: Enemy**

## Contact details

Developer:  
«Universal Information Technologies» LLC

**UNIT**

Address:  
03150 Kyiv, Ukraine, 55 Velyka Vasylkivska str.

Phone:  
+38 (097) 469 - 81 - 76, +38 (044) 205 - 44 - 71

Web-site: [www.unit.com.ua](http://www.unit.com.ua) E-mail: [info@unit.com.ua](mailto:info@unit.com.ua) [doc@mdata.com.ua](mailto:doc@mdata.com.ua)

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