



SpetsTechnoExport

presents

**Weapons and Equipment
for Counter-Terrorist Units,
Police and Special Forces**





SpetsTechnoExport

NEW TIME-
TECHNOLOGY



Ladies and Gentlemen,

Starting from July 1998 the State Foreign Trade Enterprise «SpetsTechnoExport» (Government of Ukraine Entity) specializes on export and import of up-to-date weapons, military products & technologies as well as special purpose equipment.

We also have tight cooperation with various Research Centers, Design Bureaus as well as Original Equipment Manufactures of the military-industrial complex of Ukraine and other countries.

Ukraine is one of the leading designer and manufacturer of the modern weapons, arms as well as personnel protection equipment. In this connection, we are proud to offer you a wide range of up-to-date products and equipment of special purpose meant for usage by Police, Special Forces & Counter – Terrorists Units for performing of its duties.

Looking forward for long-term mutually beneficial cooperation.

**Igor Gladush
Director**

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Armored Personnel Vehicle «DOZOR-B»



DOZOR-B armoured personnel carrier is a version of multi-purpose wheeled vehicle. It is designed to transport goods and people and to provide protection against small arms and NBC factors. **DOZOR-B** is suitable for usage by special units and police forces as a vehicle or carrier for different types of armament and military equipment. It can be used during both military and peacekeeping operations, moving on highways and cross-country terrains. This vehicle is available in the following modifications:

- armoured personnel carrier
- armoured vehicle
- NBC reconnaissance vehicle -command vehicle -ambulance
- reconnaissance vehicle
- general purpose vehicle

Armored Personnel Vehicle «DOZOR-B»

Technical characteristics

Vehicle type	Wheeled, armoured
Combat weight, tons	6,9
Overall dimensions, mm	
– Length	5400 (without the winch) 5680 (with the winch)
– Width	2400
– Height	2700
Ground clearance	400
Crew, men	3
Troops, men	8
Number of firing ports	6
Mobility characteristic:	
Wheel arrangement	4x4
Type of tires	Tubeless, bulletproof, with central pressure control
Engine type	DEUTZ BF 4M 1013 FC (EURO-3), four-cylinder diesel turbocharged engine with intercooler
Engine power, kW (h/p)	1122 (197)
Power-to-weight ratio hp/t	28,5
Type of transmission	Automatic, 1000LCT hydro-mechanical
Maximum speed, km/h:	
– on road	90-105
– off road	65
Distance range, km:	
– on road	1000
– off road	700
Maximum angle of gradient, deg.	30
Operation temperature, C°	-40/+50
Towing force of the winch, tons	6,8
Armament:	
Machine gun (remote control):	
Caliber, mm	12,7
Ammunition allowance, pes.	450
Traverse, deg.	360
Elevation, deg.	-3 to +68
Additional equipment:	
NBC system	Filtering and ventilating unit
Navigation system	Satellite SN-3003 Bazalt
Air cooling system capacity, kW	4,4
IR night vision system range, m	180
Radio ultra-shortwave communication system range, km	20

Multifunctional Armored Vehicle «KOZAK»



Armoured vehicle «Kozak» 5,5 tons has the engine power of 176 h/p and in the equipped condition is capable to tow the trailer with weight up to 4 tons. It is capable to overcome obstacles more than 35 degrees and ford depths up to 1,5 meters without preparation. The V-type bottom is capable to stand the explosion of a mine not less than 3 kgs of the TNT equivalent, and modular design of the crew compartment enhances the crew survivability. The design allows to vary a degree of protection by replacement of panels' thickness, depending on the combat mission of the armoured vehicle. AV «Kozak» has the GPS-navigator, the NBC reconnaissance equipment, the parking video equipment, the climate control system, ABC and improved noise and light isolation.

Multifunctional Armored Vehicle «KOZAK»

Technical characteristics

Vehicle type	Wheeled, armoured
Combat weight, tons	5,5
Overall dimensions, mm	
– Length	5900
– Width	2150
– Height	2300
Ground clearance, mm	570
Crew, men	2
Troops, men	8
Number of firing ports	6
Mobility characteristic:	
Wheel arrangement	4x4
Type of tires	Tubeless, bulletproof, self inflating
Engine type	IVECO four-cylinder diesel turbocharged engine with intercooler, EURO 4
Engine power, kW (h/p)	130 (176)
Power-to-weight ratio, hp/t	32,0
Type of transmission	ZF, mechanical, synchronized, 6+1
Maximum speed, km/h:	
– on road	120
– off road	70
Distance range, km:	
– on road	1000
– off road	700
Maximum angle of gradient, deg.:	
– approach	50
– departure	45
– side slope	25
Operation temperature, C°	-40/+50
Towing force of the winch, tons	6,8
Armament:	
Machine gun:	NSVT
Caliber, mm	12,7
Ammunition allowance, pcs.	450
Machine gun:	
Caliber, mm	7,62 PKT (KT)
Ammunition allowance, pcs.	2500
Automatic grenade launcher:	AG-17
Caliber, mm	30
Ammunition allowance, pcs.	150
Additional equipment:	
Additional floor protection	3 kg. TNT equivalent
Amortization seats	+
Radiation detection unit	+
Rare image camera	+
Communication equipment «Driver-street»	+
Radio ultra-short wave communication system	+
Climate control system	+
Navigation system	+

Hydro-jet Special Automobile ABC-30 (63221)-305



Hydro-jet special automobile **ABC-30(63221)-305** is designed to counter with groups of individuals who violate public order via water-jet attack and other special agents, and is intended for delivery of operating crew, water, other special agents to the point of destination.

Technical characteristics

Index	ABC-30(63221)-305
Base chassis	KpA3-63221
Wheels formula	6x6
Engine output, kW (h.p.)	243 (330)
Maximum speed, km/h	85
Fire-fight crew, including driver, persons	3
Total weight , kg, no more	24000
Capacities, m3 (l), no less:	7 (7000)
– water tank foam-agent tank	0,05 (50)
– painter tank	0,3 (300)
– bottle for active mixture v=0,027 m3 (27l),	3
Motor pump, type	MHA-27/100
– deliver, m3/s (l/s),	0,027 (1600)
– no less pump head, m	100±5
Roof monitor	
– number, pieces	
– control	1
– rotation angles, degree	manual
– in horizontal plane	350
– in vertical plane plus	+ / - 30
Under bumper nozzles	
– control	distance, pneumatic
– rotation angles in horizontal plane, degree	180±5
– maximum design distance of deliver a jet, m	30
Dimensions, mm, no more	10440x3200x4050

Automatic Grenade Launcher UAG-40



UAG-40 is the first portable automatic grenade launcher. **UAG-40** reposes on the tripod before shooting. The total weight of the grenade launcher with tripod is less than 30 kilograms. Tripod's design allows firing from unprepared sites.

High level of portability and no need to prepare operating site allows quick change of firing position both in the open air and in an urban environment. Using **UAG-40** can be resulted with flame efficiency of ground campaign.

The UAG is very high-speed; it can use all types of grenades approved by NATO.

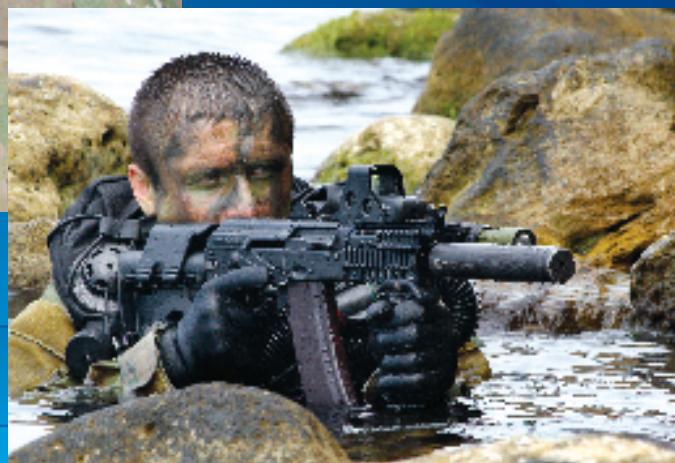
The optical, infrared, photo visual or electronic sights can be fixed to the **UAG-40** housing.

The complex use of the indicated engineering design decisions allowed to obtain the main advantages: high exactness (accuracy) at series shooting, lowered recoil impulse, high reliability and simplicity in production and operation.

Technical characteristic

Parameter	Value
Length, mm	960
Weight (without grenade), kg	15
Bore, mm	40
Length of tube, mm	400
Rifle:	
Pitch, mm	1220
The number of rifles:	
– In the beginning of tube	8
– In the middle of tube	16
– In the end of tube	24
Grenade launching speed, m/sec	240
The maximum shooting range, m	2200
Fire mode	Single/automatic
Shooting rate, round/min	400

AK-type Submachine Gun «Malyuk»



«Malyuk» – newest AK-type submachine gun for Special Forces with the bullpup scheme. (Location of the fire control handle in front of shop).

Available in Special Forces AK-type machine guns do not meet modern requirements in terms of functionality and ergonomics. However, the reliability of the Kalashnikov rifles does not cause any doubt.

SFTE «Spetsstehnoeksport» presents individual automatic weapon for special units with weight, overall dimensions, ergonomic and individual characteristics that exceed those for non-modernized AK.

The main technical advantages:

- Reduced size while maintaining military characteristics;
- Ability of rapid and safe handling of weapons by special units in operating conditions;
- The possibility of installing modern lighting and sighting means, which are highly required by Special Forces professionals.

Technical data

Length	702 mm
Barrel length	415 mm
Weight	3.1 kg
Effective range of application	500 m
Magazine capacity	30

Pump-action Shotguns of type «FORT-500»



Pump-action shotguns of «Fort-500» type are smooth-bore weapon for law enforcement.

Sights are mounted on Picatinny Rail on shotgun receiver. Mounting of pistol grip and flashlight on the rail system is provided.

Attaching of special devices on the barrel is possible (for breaking lock, for shooting grenade with tear-gas).

Technical data	«FORT-500M»	«FORT-500A»	«FORT-500T»
Calibre	12	12	12
Barrel length, mm	345	510	510
Cartridge-chamber length, mm	76	76	76
Shotgun length:			
– with folded butt-stock, mm	775±5	750±5	930±5
– with unfolded butt-stock, mm	877±5	1010±5	1030±5
Shotgun height:			
– with folded butt-stock, mm	205±5	210±5	
– with unfolded butt-stock, mm	205±5	170±5	170±5
Shotgun width, mm	64	52±2	52±2
Magazine capacity, rounds	4	6	6
Weight of the rifle without belt, kg, not more than	4,12	4,1	4,3

«FORT» Pistols

«FORT-12»



«Fort 12» – is semiautomatic pistol of 9x18 mm caliber with effective range up to 50 meters. It is balanced and compares all qualities of combat pistol: metal frame, which secures reliability and strength, large magazine capacity, reliable safety system with capability to block hammer either on combat or safety position and relatively low weight and small dimensions make it comfortable for carrying. Therefore «Fort 12» was chosen as service pistol of Ukrainian law enforcements. Optionally pistol can be equipped with sound suppressor, laser designator or tactical flashlight.

Technical data

Caliber (mm)	9x18 mm Makarov 9x17 mm Browning
Operation mode	Blowback operated
Trigger mechanism	Single or double action
Dimensions (mm):	
– Overall length	180
– Height	131
– Width	32
Barrel length	95
Weight with empty magazine (kg)	0,83
Muzzle velocity (m/s)	320 (9x18 MM) 305 (9x17 MM)
Magazine capacity (rds)	12
Practical rate of shooting	40
Rifling	6 grooves

«FORT» Pistols

«FORT-14TP»



«Fort 14 TP» – pistol, which is accurate, reliable and simple to use. Special feature in design of this model is fixed quick-detachable barrel.

Due to its ergonomics, extended barrel and extended line of sight «Fort 14 TP» has great accuracy even with rapid firing that is why «Fort 14 TP» is main pistol for officers of special enforcements.

Tactical complex «Fort 14 TP» consists of pistol «Fort 14 TP» tactical light «LT6A» and sound suppressor «Fort 4» optionally it can be equipped with magazine of extended capacity.

Technical data

Caliber (mm)	9x18 mm Makarov 9x17 mm Browning
Operation mode	Blowback operated
Trigger mechanism	Single or double action
Dimensions (mm)	
– Overall length	210
– Height	140
– Width	33
Barrel length	123
Weight with empty magazine (kg)	0,92
Muzzle velocity (m/s)	335
Magazine capacity (rds)	14 (24)
Practical rate of shooting	40
Rifling	6 grooves

«FORT» Pistols

«FORT-15»



Technical data

Caliber (mm)	9x19 mm Luger
Operation mode	Blowback operated
Trigger mechanism	Single or double action
Dimensions (mm)	
– Overall length	190
– Height	140
– Width	35
Barrel length	108
Weight with empty magazine (kg)	0,73
Muzzle velocity (m/s)	370
Magazine capacity (rds)	16
Practical rate of shooting	40
Rifling	6 grooves



«FORT» Pistols

«FORT-17»



«Fort 17» – in design of this model widely were used highly durable polymers reinforced by steel as result the weight of pistol was decreased significantly without damage to the combat characteristics.

Due to plastic frame ergonomics highly increased and interchangeable back straps allow quickly fit grip size to the shooters hand. Under the barrel is situated universal rail for assembling tactical accessories.

Besides **«Fort 17»** is available in two modifications: normal and for left-handed shooters.

Technical data

Caliber mm	9x18 mm Makarov 9x17mm Browning
Operation mode	Blowback operated
Trigger mechanism	Single or double action
Dimensions (mm)	
– Overall length	180
– Height	130
– Width	34
Barrel length	95
Weight with empty magazine (kg)	0,68
Muzzle velocity (m/s)	320 (9x18 MM) 305 (9x17 MM)
Magazine capacity (rds)	12
Practical rate of shooting	40
Rifling	6 grooves

«FORT» Pistols

«JERICHO-FORT 01»



«JERICHO-FORT 02»



«FORT» Pistols

«JERICHO-FORT 03»



Pistols of series of Jericho-Fort are semi-automatic pistols of double-action with a story serve. The sizes of handle are chosen taking into account the anatomic features of hand and allow to conduct rapid, exact, instinctive firing. A trigger staple has battle style and intended for the conduct of firing both hands. Proper functioning of pistol is also provided due to guided the pollex of lever of safety device which is located on the scope of pistol.

Technical data	Jericho-Fort 01	Jericho-Fort 02	Jericho-Fort 03
Caliber (mm)	9x19 mm	9x19 mm	9x19 mm
Operation mode			Blowback operated/ semiautomatic
Trigger mechanism			Single or double action
Dimensions (mm)			
– Overall length	192	192	207
– Height	140	145	145
– Width	37	35	35
Barrel length	97	97	123
Weight with empty magazine (kg)	1,115	0,91	0,96
Practical rate of shooting	40	40	40
Rifling			6 grooves

Non-lethal weapon

«**Fort 12R**» – modification of pistol «Fort 12» of 9 mm P.A. caliber with non lethal action uses ammunition with elastic bullet. Pistol with effective range up 10 meters intended for self-defence of civilians and serves as service weapon for security agencies.

Modification «**Fort 12RM**» has improved ergonomics and changed slide form. Both modifications made of high-quality steel and have service life 50 000 shots.



Technical data

Caliber mm	9 mm P.A./ .45 Rubber
Operation mode	Blowback operated
Trigger mechanism	Single or double action
Dimensions (mm)	
– Overall length	180
– Height	131
– Width	32
Barrel length	95
Weight with empty magazine (kg)	0,83
Muzzle velocity (m/s)	300
Magazine capacity (rds)	13 8
Practical rate of shooting	40

Non-lethal weapon

«**Fort 12T**» – gas pistol with ability to shoot traumatic ammunition with elastic bullet caliber 9 mm P.A. Special feature of this model is availability of special «teeth» inside the barrel which prevent using normal ammunition.

«**Fort 14R**» – traumatic pistol of caliber 9 mm P.A. intended for self-defense of civilians. Due to extended barrel and extended sight radius «**Fort 14R**» assures necessary accuracy even with rapid firing. Metal frame provides additional rigidity in design of the gun and increase service life of pistol.

«**Fort 17R**» – traumatic pistol of 9 mm P.A. caliber intended for self defense of civilians. This model has frame made of highly durable plastic reinforced by steel - as result it has reduced weight which is important for every day carrying. As the combat «**Fort 17**» this pistol has interchangeable back straps enabling to fit the grip size to the shooter's hand.

«**Fort 17T**» – gas pistol with ability to shoot traumatic ammunition with elastic bullet caliber 9 mm P.A. Special feature of this model is availability of special «teeth» inside the barrel which prevent using normal ammunition.

«**Fort 18R**» – traumatic pistol of 9 mm P.A. caliber intended for self defense of civilians. Design features of this model are extended barrel which increases accuracy, massive slide which reduces recoil, reduced weight due to polymer frame and interchangeable back straps enabling to fit the grip size to the shooter's hand.

Technical data	Fort 14R	Fort 17R	Fort 18R
Caliber (mm)	9 mm P.A./ .45 Rubber	9 mm P.A./ .45 Rubber	9 mm P.A./ .45 Rubber
Operation mode	Blowback operated	Blowback operated	Blowback operated
Trigger mechanism	Single or double action	Single or double action	Single or double action
Dimensions (mm)			
– Overall length	207	180	207
– Height	140	132	131
– Width	33	34	34
Barrel length	124	95	124
Weight with empty magazine (kg)	0,86	0,68	0,71
Muzzle velocity (m/s)	320	300	320
Magazine capacity (rds)	15 (8)	13 (8)	13 (8)
Practical rate of shooting	40	40	40

Firearm Sound Suppression Device «PSUZV»



Firearm sound suppression devices (PSUZV) developed and manufactured by specialized scientific and research institute of National space agency of Ukraine in close cooperation with Special Forces community. First generation of **PSUZV** passed government trials and introduced into service in 1998. Consistently growing model range includes suppressors for pistols, assault rifles, sniper rifles and machine guns.

Suppressors tested in accordance with MIL-STD-1474D and provide hearing safe sound reduction level, remove muzzle flash, significantly lower recoil and muzzle jump.

Apart from low flash and sound signature, use of **PSUZV** reduce dust/snow particles lifting, allow voice communication between operators and «friend or foe» identification. Suppressors characterized by low back pressure levels, ensuring clear field of view for shooter and minimal increase of rate of fire.

Suppressors for assault rifles, sniper rifles and machine guns manufactured from heat resistant stainless steel. All components of suppressor are welded into structural monoblock which assure long service life, resistance against extreme pressure and temperature, exclude possibility of wrong assembling after cleaning. Some models incorporate central tube bullet channel, which dramatically increase suppressor survivability under heavy duty use, low attachment threads and ammunition quality.

Proprietary black mate heat and scratch resistant coating is also not IR reflective.

Other materials (steel, titanium and aluminum alloys) custom coating and attachments available upon request.

Average specifications of typical suppressors.

Weapon	Caliber	Attachment type	Dimensions, mm	Material	Weight, kg
Pistol	9x19	TH 13x1	35x220	Aircraft aluminum	0,32
Assault rifle	5,56x45	1/2x28»	38x210	Stainless steel	0,54
Sniper rifle	7,62x51	TH 18x1	43x240	Stainless steel	0,7
Machine gun	7,62x54R	18x1.5L	43x240	Stainless steel	0,7

Personal Anti Riot Equipment

Batons



The batons **BRL**, **BR-M**, **BRE** are made of a resilient rubber.

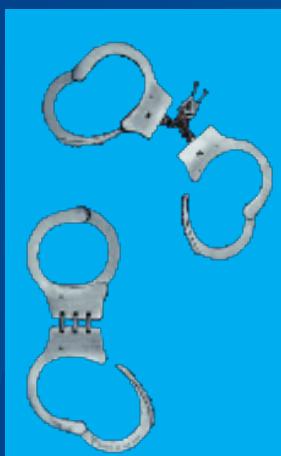
They have a leather loop on a hilt for comfortable carrying and are intended for use by patrol and guard services.

Option: rubber baton holder made of leather for carrying on the belt.

1	2	3	4
Technical characteristics	Rubber baton BR-M	Expandable rubber baton BRE	Baton «TONFA»
Length, mm	600	450-650	850-900
Diameter, mm	30	30	25
Weight, kg	0,820	0,63	0,45-0,50
			Rubber baton BRL
			450
			30
			0,51

Personal Anti Riot Equipment

Metallic Handcuffs



Metallic handcuffs have 8 degrees of protection:

1. High-quality steel.
2. The connection of three rings eliminates the ability of their break while jamming and boring.
3. There is a double number of wedges.
4. The presence of two teeth at each wedge.
5. The presence of a pin for the key.
6. The concealed rivets.
7. The presence of blocking on an unsanctioned opens of the lock.
8. There are slots in the sector and pins in the cramp. The handcuffs bear break effort up to 200 kg.

Irons



Irons are used by force structures for physical restriction of the person committed a crime, and criminal's transporting in the vehicle that is not intended for that.

Irons don't require special service and keep its performance at temperature from -45°C to +40°C and relative humidity up to 98%.

Technical specifications

Weight, not more, kg	1,1
Break effort, not less, kg/s	200
The number of snaps into action, not less, times	5000

Complete Set of Defence Anti-Riot Arrangements



Complete set is intended for defence of the parts of the body exposed to traumas most of all and consists of the following parts:

- protectors on legs and knee;
- protectors on arms and elbows;
- protectors on forearms and shoulders.

Complete set is made of shockproof polymerous material and has high shock-absorber properties.

Owing to not great weight complete set can be used for long term carrying.

Personal Anti Riot Equipment

Anti Riot Shield «FORT-ARS»



The anti riot shield is made of a polycarbonate sheet giving maximum vision, lightness and long durability, with the protection against UV-radiation, 10 year guarantee.

There is a shock-absorber with a grip and a belt on the inner side of the shield. Handgrip and arm fastening may be quickly rearranged and it permits to use the shield by left and right hands.

In accordance with the consumers order an inscription can be done at the front side of the shield and a polycarbonate sheet will protect it.

Technical specifications

Shield height, mm	1000
Shield width, mm	550
Mass, kg	
at polycarbonate sheet thickness 3 mm	3,3
at polycarbonate sheet thickness 4 mm	4

Anti Riot Shield «Fort-ARSA»



The anti riot aluminum shield is designed for protection of police officers against stones and sticks while performing their duties.

The shield is made of high-quality aluminum alloy.

There are two handles glazed with plastics and two absorbers, which allow using the shield by left or right hand or by both hands simultaneously.

Technical specifications

Shield height, mm	1000
Shield width, mm	670
Thickness of the sheet, mm	2
Mass, kg, not more than	3,8

Personal Anti Riot Equipment

Net-thrower «SHTURM»



Hand Net-thrower «**SHTURM**» is intended for capture and temporal holdup of manpower of opponent, by the controlled from distance coverage and enfettering by a highly firm net.

Net-thrower «**SHTURM**» can be effectively applied by Police forces during street disturbances. It can be also effectively used by peacemaking units for influence on aggressive demonstrators and violators. Efficiency of item is also high at application at the conduct of protective actions.

The product is made as built-up frame with a pistol grip design in the cavity of which is the trigger-shock mechanism. In front of the construction unit there is a net-spreading mechanism with the pre-compressed net.

To simplify recharging process of net-thrower rechargeable unit with replaceable net-cartridges is used. This implementation simplifies, accelerates recharge of net-thrower and improves its combat characteristics.

Net-thrower «**SHTURM**» is carried and serviced by one person. In battle conditions item is carried on a long belt or can be placed in the folded holster. The bag for four charged net cartridges is included as per customer requirement.

Technical characteristics

Maximum range of net emission, m	10
Net size, m x m	3,5 x 3,5
Size of net canvas, cm x cm	8 x 8
Rupture effort for single fiber of net canvas, kg	8-9
Initial velocity of net block plummets, m / sec.	18
Time of net unit recharge, s	8-10
Net cartridge recharge time, min.	1-2
Dimensions	
– length, mm	350
– width, mm	120
– height, mm	150
Weight in loaded condition, kg	
	1,8

Bullet-Proof Vests Of Underwear Carrying «GUARD»



Provide protection at levels II-A and II (NIJ) at weight 1,5 – 2 kg with circular protection. Armor material – Kevlar, Tvaron or Daynema.

For increased level of protection the bullet-proof vest is completed with additional plates:

- Soft armored elements made of Kevlar, Tvaron or Daynema to provide level of protection III-A (NIJ);
- Rigid armored elements made of aluminum alloy or Daynema for achievement of level of protection III-A (NIJ) + protection against TT bullets (with the steel core).

Bullet-Proof Vests Of The Semihidden Carrying «ESCORT»

Protection is provided only with two plates in front and on a back. Color of a bullet-proof vest is chosen by the customer. The size of each plate – 25x30 cm.

Level of protection of a bullet-proof vest, weight and the price depend on the chosen plate.



II (NIJ)

Material – aluminum alloy

Weight – 1,0 kg

The size – 25x30 cm

III-A (NIJ)

Material – Daynema

Weight – 0,5 kg

The size – 25x30 cm

III-A (NIJ) + protection against TT bullets (with the steel core)

Material – Daynema

Weight – 0,5 kg

The size – 25x30 cm

Bullet-Proof Vests Of External Carrying «MODULE»

We make bullet-proof vests of external carrying of two styles:



The policeman



Army

**and a bullet-proof vest for
special Operations**



We make a base bullet-proof vest from Kevlar or Tvaron with bullet-proof II-A, II or III-A (NIJ) levels. Additional steel or ceramic two plates with the size (25x30 cm) provide level of protection III or IV (NIJ).

Half of our products is made with changes «on request of the customer». On any of our bullet-proof vest we have possibility to place additional pockets for special means, handcuffs, radio stations and pistols.

All Bullet-Proof



**BODY ARMORS:
«SHERIFF» IV**



«KORSAR M3» IV



«PANTSIR 3-95» III



**«BRONEKORSAR» IV
NIJ Standart 0101.04**



**«TELOKHRANITEL»
III-A**



**«TELOKHRANITEL mini»
III-A**



**«TELOKHRANITEL-M»
III-A**



**«TELOKHRANITEL-M3»
III-A
NIJ Standart 0101.04**

ALL BULLET-PROOF VESTS:

- Body armor of outer wearing;
- The body armor's shape is optimized according to projection of vitally important organs;
- According to requirements of customer it is determined material and color of facing cover, arrangement of pockets on external covers;
- The upper cover of the product is made of high-strength and wearproof fabric with water-repellent coating.
- It was issued health certificate;
- Anti-traumatic layer.

Armored Helmet



Armored helmet «Kaska-1M»

Class of protection – II, NIJ Standart - 0101.04
Were used by peacemakers in Iraq.



Helmet «SH-307»

completed by visor with shock-proof glass.
Class of protection – shock-proof.



«KS-1»



«KS-1» model 2

The shot-firer's protective suit is used during laying and discovering explosives and mine clearing.

The suit consists of a jacket, trousers and boots. The item is manufactured ranging in three typical sizes. It is stocked with a removable «visor» with bullet-proof glass (2nd class of protection) and a «Kaska (Helmet) – 1» bullet-proof Kevlar Head-Piece. The suit is designed with an electrostatic charge relieving device. The area of the protective fabric packets shielding: 242 sq.dc (2nd type size).

The area of the additional metal armourelements shielding : 23 sq. dm.
Weight of the suit – not exceeding 30 kg. (2nd type size).

The design of the suit makes it possible for the user to take off quickly the jacket and the trousers owing to the peculiar patented side, shoulder and back fixing parts of the item.

The ballistic protection is ensured by the flexible protective Kevlar Pockets placed in the jacket, trousers and boots covers. Metal armour elements improving the protection level are additionally placed in the jacket (the neck, breast and groin parts) and trousers (the shin, and hip parts).

The suit had underwent field polygon testing. The item guarantees protection against being hit by F-I, RGD-5 grenades, a 240g TNT blasting cartridge within one meter distance.

The ballistic fabric armour pockets had underwent testing at the Du Pont Industrial Fibre Certified Laboratory /USA/ in accordance with the STANA G 2920 International Testing System.

The fact that the «**KS-1**» Suits were successfully used by a Sapper sub-unit of the Ukrainian Ministry of Defense involved in clearing of mine areas in Lebanon with the UN mission bounds speaks in their favour.

The suit can be stocked with the video- and audio- communication system by the client's request.

Container for Explosives Transportation IZAT-1



Survive charge up to 600 grams of TNT equivalent with the shards of at least 1 / 3 the mass of the charge.

Products of **IZAT-1** series are designed for the safe transport of explosives through public places, as well as for blocking suspicious objects covering them or putting inside the unit.

Fully holds fragments, 100% eliminating the defeat of people by shards around in close proximity (1 meter) of the product. Significantly weaken the effect of shock waves, sending up the explosion products. Products are supplied with briquettes and fire blanking gel, which eliminates the possibility of fire after the detonation of explosives.

Products are disposable, after the detonation of explosives in them, are destroyed, while the destruction of products takes most of the explosion energy.

Products were tested in the technical-explosion laboratory of the Research Centre of Forensic Expert Affairs of Ukraine in 2009 and recognized as a fully fit for usage in places of mass events.

Technical characteristics	IZAT-2-200	IZA 1-2-400-360	IZA 1-2-400-250	IZAT-2-600
Survive charge of TNT	equivalent of 200 grams (with shards of at least 1 / 3 the mass of charge)	equivalent of 400 grams (with shards of at least 1 / 3 the mass of charge)	equivalent of 400 grams (with shards of at least 1 / 3 the mass of charge)	equivalent of 600 grams (with shards of at least 1 / 3 the mass of charge)
Product weight not exceeding	30 kg	45 kg	40 kg	60 kg
Product dimensions				
height	500 mm	500 mm	500 mm	500 mm
diameter	400 mm	400 mm	500 mm	500 mm
Cavity for storing charge				
depth	300 mm	300 mm	300 mm	300 mm
diameter	250 mm	360 mm	250 mm	250 mm
Colour of product	black, orange	black, orange	black, orange	black, orange

Cartridges «FORT-T» cal. 9 mm P.A.



Cartridges «FORT-T» made from ecologically pure materials that are certified in Ukraine and intended for self-defense.

Use of those cartridges are not lead to hard physical injuries. Effective range of action 3,5 – 10 m.

Technical characteristics

Cartridge diameter	9,5 mm
Cartridge length, not more than	22,7 mm
Missile velocity	300 ± 20 m/s
Diapason of usage	(-10)°C (+40)°C
Minimise distance of usage	3,5 m

Surface And Low-Flying Slow Targets Detection Radar «LIS»



111L1 «LIS» radar is designed for detection of moving people and vehicles, low-flying slow targets and surface marine targets for security and reconnaissance support. Radar provides automatic detection and location of targets at any time of the year under conditions of rain, fog, precipitation, smoke or dust, in absence of optical visibility. The targets are displayed on the LCD indicator together with azimuth and range data.

Surface And Low-Flying Slow Targets Detection Radar «LIS»



Digital forming methods of signal, filtering, automatic detection and coordinates measurement are used. Target recognition mode allows to specify target range and its direction and after listening to the specific sound spectrum of a signal to classify the target (man, group, vehicle, helicopter, jam etc.). The basic version is designed to allow the radar installation on the vehicle and includes facilities for automatic antenna system leveling using data from builtin accelerometric horizon sensors. The radar can be installed on APC or ACV.

The radar's operation is harmless to the human's body. The millimeter's bandwidth doesn't create interferences with other radio-technical systems and is not influenced by interferences of other systems because there is no equipment working in this bandwidth. Millimeter bandwidth beam is less influenced by water surface than the beam of centimeter bandwidth. This enables more precise small-target detection of water targets.

Technical characteristics

Scan Zones:

- in azimuth
 - in range
- (-60...+60) with possibility of random sector reducing
- (0-15) km with possibility of random scan zone selection within a given range

Full Scan Time

(120°, 15 km) - 25-30 sec

Target detection range (radial speed 2 - 50 km/h)

- single person 5 km
- vehicle 10 km
- armored vehicle 10 km
- ship 10 km

Radar resolution range

- bearing 1°
- range 15

Power consumption

not more than 65 W

Operation temperature range

-30°C...+60°C (-20°C...+50°C for remote display)

Radar weight with leveling platform

not more than 40 kg

Setting-up procedure

does not exceed 5 min

Surface Short Range Radar «BARSUK»



Portable radar **112L1 «BARSUK»** was designed for detection of moving personnel and vehicles (patrol version) with the aim of reconnaissance or protection of territory.

It provides detection of the targets round the clock under low visibility conditions (rain, fog, snow etc.). Detected targets is reflected at built-in indicator in form of amplitude of the signal with mark of range. Recognition mode allows to specify range and azimuth of the target and classify it by acoustic spectrum (single person, grop of persons, animal, vehicle). Solid-state transmitter of the radar implemented in microstrip version. Low weight of the radar allows to carry it on the operator's chest and survey area of view by rotation of body. This radar is handy for search and pursuit of intruders.

Technical characteristics

View area

- azimuth	0-360°
- range	0-2 km

Detection range of targets with radial velocity 2-50 km/h

- single person	1200 m
- vehicle	1600 m
- armored vehicle	2000 m

Resolution

- azimuth	1,5°
- range	25 m

Frequency

Transmitter power	60 mW
Antennae aperture	90 mm

Power source - built-in rechargeable battery	12 V, 3 Ah
Power consumption	8 W

Operating temperature range	- 30 ... + 50°C
Wind speed	up to 15 m/s

Weight with battery	5,5 kg
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Surface Short Range Radar «BARSUK-A»



112L1-A «BARSUK-A» is surface radar of remote guarding mounted on a support-rotating device with remote control of azimuth and elevation angles provides automatic detection and recognition of personnel and ground and water moving vehicles. It provides security of specified responsibility zone round the clock and all the year round under restricted visibility conditions. RS-422 (485) is used for data transfer. Targets detection and identification occurs in automatic mode at the same time targets marks displays at monitor. Targets data are automatically logged specifying their number, range, azimuth and class (personnel - vehicle) snap to map. There is possibility to choose high alert and blank areas manually. Possibility of recognition via sound channel is provided. The product outputs electronic alarm information to the monitor of central guard console. The product operates in millimeter band which practically harmless for human organism, does not interfere with other radio means, does not interfere with the other same product if operating at the distance more than 50 m and is not sensitive to accidental or non-random interferences.

Technical characteristics

Scanning area:

- in azimuth	360°
- in elevation	+15°
- in range	0 - 1.6 km

Detection range of targets moving with radial velocity of 2-50 km/h

- single person	1.2 km
- vehicle, ship	1.6 km
- armoured vehicle	1.6 km

Radar resolution

- by angle	3°
- by range	25 m

Frequency

Transmitter's power	36 GHz
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Rotation speed

Rotation speed	(4-20)°/s
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Type of radiated signal

Antennae aperture	continuous with phase code modulation
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Antennae aperture	90 mm
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Operating temperatures	from - 30 to + 50°C
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Relative humidity	up to 100%
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Wind speed	up to 25 m/s
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Weight	10 kg
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Surface Target Detection Radar «MANGUST»



Radar «MANGUST» is designed for surface and low-speed (low-flying) target detection and can be used for secure of land and water frontier areas, combat field observation. Hardware of this portable radar placed in 2 packs and can be transported and serviced by 2 men.

Radar provides targets search, detection and mapping automatically in continuous radiation mode (millimeter band). Target detection and localization generates by operator's console processor. The console's display shows circle diagram and table, featuring number of the target, it's range and azimuth. High alert and blank area can be set up by operator. Low-power solid-state transmitter (0,01 - 1,0 W) makes difficulties for electronic reconnaissance detection. Continuous radiation with phase-code manipulation makes it protected of clutter and jamming. The radar's operation is harmless to the human's body. There millimeter's bandwidth doesn't create interferences with are the radio-technical systems and is not influenced by interferences of other systems because there is no equipment working in this bandwidth. Millimeter bandwidth beam is less influenced by water surface than the beam of centimeter bandwidth. This enables more precise small-target detection of water targets.

Technical characteristics

View zone azimuth	360° and sector scan
Range (km)	
person	5
car	7
armored vehicle	10
ship	10
Resolution	
azimuth (deg)	1
range (m)	15
Power source	
primary source	accumulator 12 V
power consumption (W)	65
Operational conditions	
temperature (°C)	-30 +50
Mobility	
weight	40 kg in two packs, 20 kg each
setting-up time (min)	5
remote control distance (m)	50

The Mobile Radiomonitoring System «ARGUS-M2»



The Mobile Radiomonitoring System (MRMS) «ARGUS-M2» is designed for automated monitoring of radio-frequency spectrum, measurement of different parameters of electromagnetic emissions and radio signals, and for online direction finding of transmitters and radio-electronic systems outside the availability zones of fixed DF and radiomonitoring stations.

MRMS «ARGUS-M2» is based on high-performance measurement equipment of the ROHDE & SCHWARZ (Germany) company:

- R&S FSP30 spectrum analyzer;
- R&S EB200 monitoring receiver;
- R&S EBD195 direction finder processor;
- R&S HE010 and R&S HE500 monitoring antennas;
- R&S ADD195 and R&S ADD071 DF antennas;
- R&S AC008 microwave directional antenna;
- R&S HE200 portable directional antenna;
- R&S ARGUS-IT spectrum monitoring and management software;
- R&S Map View geographic information software.

MRMS «ARGUS-M2» ensures achieving following tasks:

- systematic monitoring and measurement of the radio stations parameters (level, frequency, offset, deviation, field strength and power flux density, bandwidth, modulation parameters);
- measurements for EMC (electromagnetic compatibility);
- identification of the interference sources.

Technical characteristics

Operating frequency ranges:	
direction finding mode	20...3 000 MHz
radiomonitoring mode	20...26 500 MHz
Instrumental error of DF in frequency 20...80 MHz	2 degree
80...1 300 MHz	1 degree
1,3...3 GHz	2 degree
Sensitivity at frequency of 1 GHz	-145 dBm
Average positioning error	less than 15m
Power supply systems: in the mobile mode in the fixed mode	12V/ 24V DC 220 VAC (external)
Max power consumption	1000W
Time to establish an operating mode	less than 15 min
Operating temperature (inside a car)	+5...+55°C
Maximum dimensions, WxHxD	2242x2650x5290 mm
Maximum height with deployed mast	9450 mm
Weight with driver	2870 kg

Mobile Interception System «5V –Thuraya M»



To monitor satellite communications system «THURAYA»

1. The mobile variant of a system is intended for reception in a duplex mode of one subscriber in one beam. Under «beam» we shall understand a pool marked by one number in a grid of frequencies «Thuraya»;
2. Reception of the subscriber is made in two basic modes:
 - With a priority under the list of selection;
 - Without a priority, by a principle - the first conversation;
3. The following types signals can be received: speech, data transmission and facsimile messages;
4. Decoding information of algorithm GMR-2;
5. While report formation, the following information is registered in a database:
 - Time of the beginning of a session;
 - Working frequency;
 - Type of transfer;
 - Temporary number;
 - Geographical coordinates;
 - Number of a pool of frequencies «Thuraya»;
6. Listening of speech, viewing of the given and facsimile messages with an opportunity of their printing (the printer does not enter into the complete set of delivery) is provided;
7. The complex is placed in the casing of ACME II-852 type or similar.
8. A power supply of 110-230 Volts:
9. Structure of a complex:
 - The remote aerial with length of a cable not less than 5 meters;
 - LNA (amplifier);
 - Receiver – 2 pieces
 - Board of the basic generator;
 - Notebook for manufacture of calculation;
 - The casing of type ACME I-852 or similar;
 - Mother board ;
 - Board of digital processing of a signal on the basis of DSP 320C6416 with clock frequency not less than 1 GHz, including 4 ADC and 4 DDC on 4 physical channels everyone;
10. The software operates in WINDOWS 2000/XP;
11. The program of decoding work under control of OS UNIX;
12. The block of reception and demodulation should be connected with notebook through a network by IP/TCP;
13. The complex can be transported by one person;
14. Start - up – Time of system – no more than 15 minutes.

Radio Control Links Suppression System «GARANT»



Designed for radio suppression of various electronic tools, radio links of fixed, mobile and portable radios, receiving channels for cordless phones, cellular communication systems, as well as to protect movable assets (moving columns and single vehicles) and stationary objects from radio-controlled explosive devices (mines, bombs, etc.).

This problem is solved by radiation of an interfering signal in all frequency range, where it is possible to use these radio links management. The system is designed on the basis and taking into account the operating experience of similar purpose product, which was used by Ukrainian peacekeeping contingent on the Middle East. Use of this product allowed neutralize several attempts to undermine the radio-controlled movement motorcade (explosions occurred after the passage by column of radio-controlled land mine – outside of suppression zone).

Technical characteristics

Working frequency range	20 - 2500 MHz
Type of noise	broadband barrage
The total integrated output noise power	230 W
Suppression distance (depending on the parameters of suppressed radio)	75-5000 m
Power	1 kW
Power supply	11,5 – 14 V
Ambient temperature	-40 °C to 60 °C

Mobile Phone Jamming Systems «VOYAGE»



«VOYAGE 0819»

Jammer is intended for blocking of the mobile phone receiving channels of the communication systems operating in the digital CDMA standards

«VOYAGE 0918»

Jammer is intended for blocking of the mobile phone receiving channels of the communication systems operating in the GSM standards

Technical characteristics	«VOYAGE 0819»	«VOYAGE 0919»
Jamming signal frequency bands	869 - 895 MHz 2125 - 2170 MHz	925 - 960 MHz 1805 - 1880 MHz
Type of jamming	FM - barrage with optimal structure	
Power potential	230 W	30-45 W
Gain factor of built-in flat antenna array	10 - 12 dB	
Jamming range in the sector of maximum radiation pattern (~50°), depending on the distance to the base station	50 - 200 m	
Power supply	from the internal battery, mains electricity 220 V, 50 Hz	
Continuous operation	up to 8 hours	
Dimensions	505x390x150 mm	
Mass	from 5 to 12 kg (depending on battery type)	
Operating temperature degrees C°	from -50 to +50 degrees C°	

Note: The operating frequency range can be changed by agreement with the customer.

Surveillance and Reconnaissance UAV «R-100»



R-100 executes a real-time observation and is used daytime, in the night, in condition of bad visibility or its full absence. On board are fixed day, night, IR cameras or scanners. Videodata and telemetry is transmitted on point of control (or the other user) real-time or may recorded onboard. The flights can be executed under program, or in mode of the remote control by operator. Time of preparing **R-100** to flight not more than 5 minutes. Take-off – from catapult, landing – to net, with parachute (emergency mode) or on small ground area.

- Possible side wind under take-off – 10 m/sek.
- Length of start catapult – 3-6 m
- Landing grid-trap – 2,5 * 6 m
- Dimensions – 1,8 * 1,4 m

Power plant	One cylinder 2,5 h.p.	Two cylinders 3,5 h.p.	One cylinder 6 h.p.	Two cylinders 12 h.p.
Endurance of flight (hours), up to	4	3	2	2
Weight of gasoline (kg), up to	4	6	8	9
Payloads (kg), up to	3	5	8	10
Speed (km/hour)	45-190	50-220	60-290	70-400
Max. Take-off weight (kg)	14	18	25	35
Max. Altitude of flight (m)	2000	2500	4000	5000

Unmanned Aircraft Complex «CHIZH-L»



Unmanned Aircraft Complex «**Chizh-L**» on the generally accepted classification of military Unmanned Aerial Vehicles (UAV) belongs to the class of tactical short-range systems to meet the requirements of aerial surveillance, reconnaissance and target designation. For the Military purposes can be used as part of the intelligence information systems the company, battalion and an artillery battery level.

When designing the complex originally envisaged the possibility of its limited use in the open air space for the action of special units to meet the challenges of aerial surveillance in emergency management, supporting counter-terrorist, security and search operations.

Specification of the complex «**Chizh-L**»:

- modularity of the aircraft and payload - 7 basic options of payload;
- simultaneous synchronous flight (formation) up to 4 UAVs;
- modularity and high mobility of complex;
- all-season, 24-hour, off-airfield;
- the possibility of flights to areas with difficult terrain (mountains) and over the sea (take-off and landing on a ship);
- high availability of complex systems;
- redundant radio channels to UAV (VHF range and satellite system «Iridium»);

The unmanned aerial vehicle has a modular design. It's made of composite materials to provide low visual, acoustic, thermal and radar visibility. The power plant is based on 2.5 hp two-stroke piston engine

UAV flight can be performed offline on the programmed route within a radius of 200 km from the ground control station or in real time within a radius of 50 km in the mode of remote management and control.

The entire complex, including ground support equipment are packed in compact containers for the transportation, which ensures a maximum mobility when using any type of transport.

Unmanned Aircraft Complex «CHIZH-L»

The complex is easy to maintain, can be applied to unprepared terrain and does not require special infrastructure.

Complex structure

- UAV (from one to five) in shipping containers;
- Ground control and surveillance station in a secure briefcase;
- Ground radio terminal;
- Ground power supply system;
- catapult launcher;
- Set of spare parts and auxiliary equipment.

Complex functioning

The operation of the complex is supported by (he team of four: a pilot-operator, a video surveillance operator, a mechanical engineer and an electronic equipment specialist. Deployment time of the complex for the start position does not exceed 30 minutes.

The aircraft takes off from a catapult launcher and performs the parachute landing completely automatically. The onboard computer manages the autonomous aircraft return in case of the command channel failure as well as the automatic emergency landing in case of a critical system fault, which assures the safe flight.

UAVs payload.

High-resolution color video camera, digital photo camera, infrared camera, video channel transmitter with antenna. The entire payload is placed in an easily replaceable nose module that provides different configuration options to broaden the scope of mission tasks.

The on-board computer system.

Provides an automated control, navigation, management and diagnostics. It is based on the inertial navigation system with a GPS correction. The UAV is either controlled by a pre-programmed set of three-dimensional waypoints, or switched into a semiautomatic mode to be controlled from the ground.

The ground Control Station.

Provides mission planning, preflight on-board and ground systems diagnostics, aircraft equipment monitoring, (light and payload control, receiving and processing the surveillance video and photo data. Two operators manage up to four aircraft simultaneously.

Technical characteristics

Length	1.67 m
Wingspan	2.0 m
Take-off mass	13 kg
Payload mass	1.0 kg
Endurance	5 hours
Range	Up to 200 km
Cruise speed	110 km/h
Max speed	180 km/h
Ceiling	6000 m

Unmanned Aircraft Complex «VOROBEI-M»



Multi-purpose aircraft system for aerial surveillance, reconnaissance and monitoring based on miniature unmanned air vehicle.

The portable unmanned aerial system based on a «Vorobey-M» («Sparrow-M») mini-UAV performs a wide range of surveillance and reconnaissance missions, including the antiterrorist and emergency operations, as well as the Earth surface and atmosphere monitoring. The air vehicle can be equipped with photographic, television, infrared and acoustic equipment along with radiation, chemical and other special sensors of modular design.

«Vorobey-M» mini-UAV characteristic features:

- Long flight endurance
- Up to 20 km mission range
- Permanent operation availability
- Complete autonomy and ease of operation
- Stealthy deployment

The air vehicle can take off and land at unprepared constricted areas and is able to cruise on the route and loiter over a designated area for a long time. The aircraft takes off using a bungee cord and then automatically lands into a special compact recovery device.

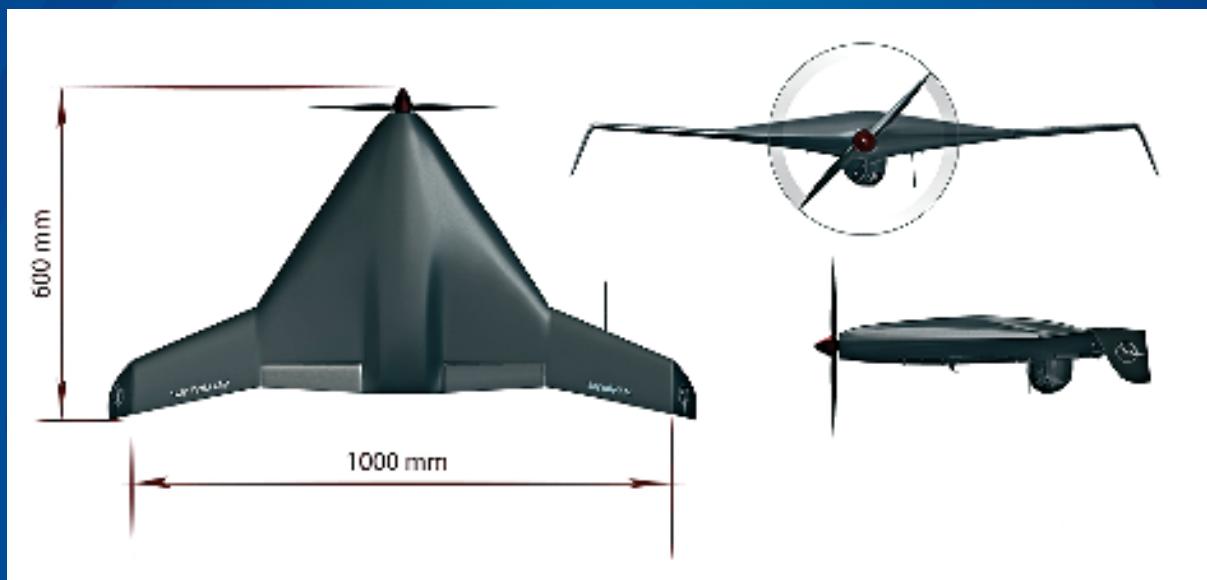
Equipped with an electric power plant, the «Vorobey-M» mini-UAV has integrated aerodynamic layout. Its airframe is made entirely of modern composite materials.

The small size of the air vehicle and low noise of its electric power plant provide stealthy deployment. Two aircraft together with the ground equipment get packed into a single small portable container.

Unmanned Aircraft Complex «VOROBEI-M»

The navigation, control and management systems provide the aircraft flight control and its on-board equipment operation, in either a pre-programmed autonomous or an automated remote mode. The mission plan can be reprogrammed during the flight. The command-telemetry and video channels provide two-way radio communication between the UAV and ground control station.

Due to the considerable automation, the UAV system is easy to operate and can perform complex surveillance and reconnaissance missions under day-time and night-time conditions without the operator having special flight skills.



Technical characteristics

Length overall 600 mm

Height overall 150 mm

Wing span 1050 mm

Maximum take-off weight 2.5 kg

Maximum payload weight 0.3 kg

Engine type electric

Engine power 350 W

Flight speeds:

– max level 130 km/h

– cruising 90 km/h

– loitering 65 km/h

Maximum rate of climb 7 m/s

Service ceiling 3500 m

Maximum endurance:

– in loitering mode more than 1.5 h

– in cruising mode 1.0 h

Unmanned Aircraft Complex «VOROBEI-M VTOL»



Vertical take-off and landing miniature unmanned air vehicle.

The portable unmanned aerial system based on a «**Vorobey-M VTOL**» («Sparrow-M VTOL») mini-UAV performs a wide range of surveillance and reconnaissance missions for support of antiterrorist and emergency operations within the industrial and urban environment. The air vehicle can be equipped with photographic, television, infrared and acoustic equipment along with radiation, chemical and other special sensors of modular design.

«**Vorobey-M VTOL**» mini-UAV characteristic features:

- Vertical take-off and landing
- Ability of hovering over an observable object
- Permanent operation availability
- Full autonomy and simplicity of operation
- Stealthy deployment
- Up to 10 km mission range

Unmanned Aircraft Complex «VOROBEI-M VTOL»

The air vehicle can take off and land vertically at unprepared constricted areas and is able to cruise on the route, loiter over a designated area for a long time and hover in a defined airspace location. The capability of UAV hand launch and recovery is envisioned.

Equipped with lift-cruise electric power plant, the «**Vorobey-M VTOL**» mini-UAV has integrated aerodynamic layout. Its airframe is made entirely of modern composite materials.

The small size of the air vehicle and low noise of its electric power plant provide stealthy deployment. Two aircraft together with the ground equipment get packed into a single small portable container.

The navigation, control and management systems provide the aircraft flight control and its on-board equipment operation, in either a pre-programmed autonomous or an automated remote mode. The mission plan can be reprogrammed during the flight. The command-telemetry and video channels provide two-way radio communication between the UAV and ground control station.

Due to the considerable automation, the UAV system is easy to operate and can perform complex surveillance and reconnaissance missions under day-time and night-time conditions without the operator having special flight skills.

Technical characteristics

Length overall	600 mm
Height overall	200 mm
Wing span	1050 mm
Maximum take-off weight	3.0 kg
Maximum payload weight	0.3 kg
Engine type	electric
Engine power	600 W
Flight speeds:	
– max level	160 km/h
– cruising	90 km/h
– loitering	30÷65 km/h
Maximum rate of climb	12 m/s
Service ceiling	3000 m
Maximum endurance:	
– in loitering mode	45 min
– in cruising mode	30 min
– in hovering mode	15 min

Armored Vehicles Pick-up Type



Purposed to transport the crew and carry out patrolling of the off-road territory. Can be used either by police detachments or by law enforcement internal troops. Its structure includes complete armored passenger compartment (according to the same protection level as the box body) and protection of the engine. Can be adapted for the usage in countries with extreme hot / extreme cold natural conditions. Wide range of base chassis.

Armored Vehicles Minivan Type



Purposed to transport the crew and valuables. Also can be used as ambulance. Cargo compartment can be either connected with passenger compartment or departed by armored partition. They are fitted-out gun ports of hidden type. Can be adapted for the usage in countries with extreme hot / extreme cold natural conditions.

Armored Vehicles Truck Type



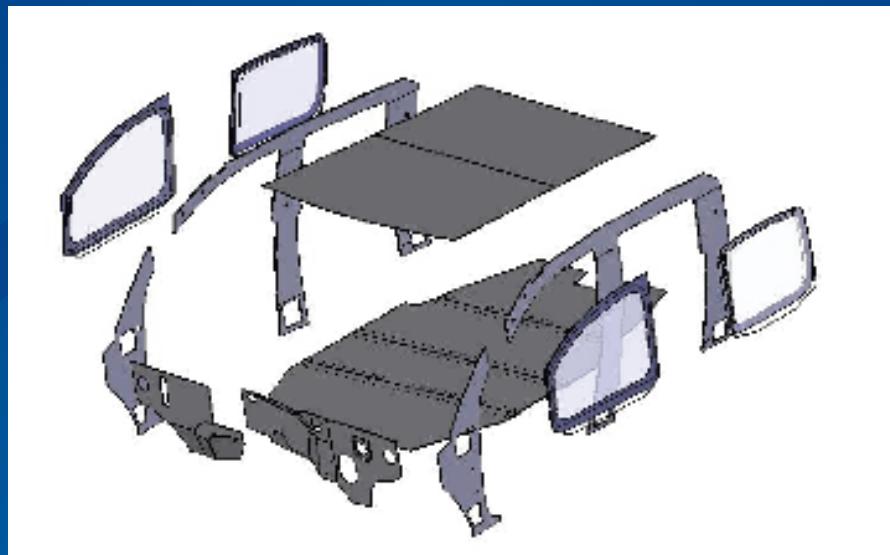
Purposed to transport the crew and / or different loads. Equipment includes internal communication system between the cabin and cargo compartment as well as gun ports of hidden type. Can be adapted for the usage in countries with extreme hot / extreme cold natural conditions.

Armoring of Military Vehicles



Our company can fulfill armoring and armoring upgrade of the military trucks and other vehicles in order to improve ballistic protection. It includes vehicle body, cabin and/ or armoring of the engine compartment. Reinforcement of the vehicle suspension system can be applied if necessary.

Armor Kits for Civil Vehicles



Our company can also fulfill armoring of civil vehicles of different body types by armor kits. Kits (including armor steel kits and armor glasses) can be delivered directly to the site of the customer and mounted there by customer himself. Kits can be flat or bent.

Vehicle for Transporting High Explosive Materials



Purposed to transport and short-time storage of high explosive materials utilized at blasting in quarries, mines and road construction works. Internal area is finished with waterproof plywood saturated with fire proof material. The floor is covered with corrugated rubber preventing sliding.

Protective Shields



Intended to use in police or internal law enforcement troops. They ensure protection against gun bullets and large caliber shot. Can be modified to protect against Kalashnikov automatic gun (protection level 3 according to Ukrainian standard). Equipped with viewing window and armored glass. They envisages availability of small wheels, tear gas capsule or lantern.

Training Complex



Intended for teaching and training of fighting skills at shooting. It is completed with targets, the equipment for weapon uploading and armored partitions (for protection against a ricochet).

Proposal For The Organization and Training of Counter-Terrorist Units



SFTE «SpetsTechnoExport» is in a position to offer services on special training of Counter-Terrorist Units to protect from terrorist threats and to fight with terrorist units and its destruction, services on securing of mass events, on securing & protection of different types of objects as well as on body guarding of VIPs.

Trainings are provided by many years experienced staff of Special Counter-Terrorist Units of the Security Service of Ukraine and the of State Guarding Service of Ukraine, that ensuring the state security as well as providing body guarding of Ukrainian state VIPs.

Based on decades of experience in personnel special training of Counter-Terrorist Units in Ukraine, SFTE «SpetsTechnoExport» is in a position to offer:

- 1.** Audit the current existing customer's state Counter-Terrorist System and the level of attainment of special units;
- 2.** In case of non-availability of complete State Counter-Terrorist System and special Counter-Terrorist Units at customer's side, respective suggestions and proposal for creation of the same could be provided;
- 3.** Basic training of Counter-Terrorist Units;
- 4.** Training of commanding officers of special Counter-Terrorist Units;
- 5.** Special training programs on the various specialties. Training programs are elaborated on basis of the following aspects:
 - 5.1.** Requirements for specific Units / Troops;
 - 5.2.** Level of attainment of personnel and commanding officers;

Proposal For The Organization and Training of Counter-Terrorist Units

5.3. The status of material and technical basis of special Units;

5.4. The logistic support of Counter-Terrorist Units;

5.5. The type of main tasks / missions as well as the type of environment:

5.5.1. Types of Main Tasks / Missions:

- hostage release;
- capture / seizure of well-trained and organized terrorists and dangerous special criminals;
- ensuring the safety of individuals or objects;

5.5.2. Types of Environment:

- Urban environment;
- Forests;
- Mountains;
- Deserts and savanna.

Full training program of Counter-Terrorist Units is a multistage and is divided into the following stages:

1. Introductory training;
2. Basic training;
3. Training of commanding officers;
4. Personnel training on the following discipline:

4.1. firing / shooting training;

4.2. special engineering training;

4.3. special tactical training.

5. Training of well skilled experts in the following fields:

5.1. Snipers;

5.2. Sappers;

5.3. Tutors & trainers;

5.4. Bodyguards.

Besides direct training of Customer's Special Forces the **SFTЕ «SpetsTechnoExport»** is in a position to offer the ways of optimization of existing Customer's Counter-Terrorist Units office organization as well as to assist and coordinate in carrying out of different field maneuvers.



NOTES





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