

- Weapons
- Optics
- Drones
- Armor



- PROVEN
- EXPERIENCED
- RELIABLE
- CAPABLE

# US Defense Systems



USDS offers only the highest quality MIL-SPEC weapons and equipment for modern warfighters and tactical law enforcement units.

- Select fire weapons in multiple calibers for military and LE customers
- Combat proven, affordable drones with high payload capability and rotating frequency FPV video transmission
- Night vision devices, lasers, and weapon optics manufactured to exacting specifications to meet our customers' needs
- Lightweight and durable body armor that employs cutting edge technology to protect its wearer every time.

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# SF4K



## Select Fire 4K

### Technical Specifications:

<b>Caliber</b>	5.56 x 45mm
<b>Barrel Length</b>	10.5in / 14.5in
<b>Barrel Twist Rate</b>	1:18cm / 1:7in
<b>Range</b>	900m
<b>Length</b>	66cm / 26in w/o suppressor, collapsed stock 91.4cm / 36in w/ suppressor, extended stock
<b>Cycle Operation</b>	Direct gas impingement
<b>Muzzle Device</b>	Flash hider compatible with QD Suppressor
<b>Suppressor</b>	CAT 5.56 with gas forward FLOW Technology
<b>Fire control</b>	Select fire trigger group (safe, semi-auto, full-auto)
<b>Buttstock</b>	Adjustable FAB Defense GL-Core
<b>Rail Type</b>	Aluminum free floating handguard w/ 1913 picatinny rail
<b>Sights</b>	Backup iron sights
<b>Weight</b>	10.5in variation w/o magazine – 3.2kg / 7lb 14.5in variation w/o magazine – 3.3kg / 7.3lb
<b>Color</b>	Black, tan, FDE, gray, camo

## Accessories

Magazines—3 polymer & Metal 30 rd magazines Sling—

Magpul adjustable 2-point sling Forward Grip- optional

Magpul vertical or low profile  
hand brace

Laser Aiming Device – Designate IR-V (IR, visible green, IR  
w/ VCSEL illuminator)

Optics – Precision reflex sight with 3x magnifier

Flashlight – Surefire Scout Lite with pressure pad switch

Cleaning and maintenance kit included

# UNCONQUERABLE

# RELIABILITY

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# MBR-16



## Description

•The MBR-16 is the pinnacle of modern combat rifles offering longer life, improved accuracy, and greater reliability than most standard combat ready systems. From close quarters battle to precision shooting, the MBR-16 will meet any mission's requirements.

### Technical Specifications:

Caliber	5.56 x 45mm
Barrel Length	16in
Barrel Twist Rate	1:18cm / 1:7in, 1:20cm / 1:8in
Range	900m
Length	91.4cm / 36in w/ extended buttstock
Muzzle Device	A2 style brake (1/2in x 28 threads)
Fire control	Select fire trigger group (safe, semi-auto, full-auto)
Buttstock	4 position M4 style
Rail Type	M-LOK and 1913 Picatinny rail
Sights	Backup iron sights
Weight	3.4kg / 7.4lb
Color	Black

### Accessories:

- 3 metal 30-rd magazines (STANAG)
- 2-point sling
- Cleaning and maintenance kit





## Select Fire 4

•The USDS SF4 carbine is the pinnacle of modern combat rifles. Built to standards that far exceed the Military Specifications which made the US Military's M4 a household name, the SF4 offers longer life, greater accuracy, and better reliability than most standard combat ready systems. Configurable for any role, from CQB to sniping and anything in between; the SF4 will meet any mission's requirements.

COMPACT

P.D.W



FORMIDABLE



UNRELENTING

Personal Defense Weapon

Technical Specifications:

<b>Caliber</b>	9mm NATO
<b>Barrel Length</b>	10.2cm/4in, 15.2cm/6in
<b>Barrel Twist Rate</b>	1:25cm/1:10in
<b>Range</b>	250m (4in), 300m (6in)
<b>Length</b>	38cm/15in
<b>Rate of Fire</b>	850-900 RPM full auto
<b>Muzzle Device</b>	Brake
<b>Fire control</b>	Select fire trigger group (safe, semi-auto, full-auto)
<b>Buttstock</b>	Pistol Brace
<b>Rail Type</b>	M-LOK and 1913 Picatinny rail
<b>Sights</b>	Backup iron sights
<b>Weight</b>	2kg/4.5lb w/o magazine
<b>Color</b>	Black, Tan, Green

Accessories:

- Conversion kit for Glock 17/19 15, 17 & 32 rd magazines
- Cleaning maintenance kit



## The Future of Precision

### USDS S7

- The USDS S7 is the future of long range precision combat rifles. Chambered in 6.5 Creedmoor the USDS S7 offers ballistic advantages over the traditional 7.62 NATO cartridge.



USDS S7

### USDS S3

- The USDS S3 is unlike any other combat rifle in the world. Offering a semi-automatic platform with the ability to fire the devastating 300 Winchester Magnum cartridge, the S3 is a combat changer.



USDS S3



USDS S338

### USDS S338

- The USDS S338, chambered in .338 Lapua Magnum, the world record holder for the longest confirmed kill, is a feat in engineering. With an effective range of 1910 yards, the .338 Lapua Magnum delivers the most capable round for long distance precision in a familiar, lightweight package.



## Hard Hitting Precision

### USDS S6

- The USDS S6 rifle is the latest design in a long lineage of battle proven rifles specifically built for precision work. Taking cues from leading industry professionals, as well as the men who implement the rifles for combat, the S6 has evolved to exceed the requirements for the modern battlefield. Offered in multiple lengths and configurations, the S6 is perfectly suited for either a designated marksman or sniper role. 6mm ARC or 6.5 Grendel 20".



USDS S6



USDS SF6

### USDS SF6

- When a semi-automatic precision rifle platform isn't enough, the SF6 comes with select fire capabilities. Available in multiple configurations, the SF6 fills any role, whether used for both heavier rounds up close or more rounds down range at a distance, the SF6 does it all.



## Hard Hitting Precision

### USDS S110

- The USDS S110 rifle is the latest design in a long lineage of battle proven rifles specifically built for precision work. Taking cues from leading industry professionals, as well as the men who implement the rifles for combat, the S110 has evolved to exceed the requirements for the modern battlefield. Offered in multiple lengths and configurations, the S110 is perfectly suited for either a designated marksman or sniper role.



USDS S110



USDS SF110

### USDS SF110

- When a semi-automatic precision rifle platform isn't enough, the SF110 comes with select fire capabilities. Available in multiple configurations, the SF110 fills any role, whether used for both heavier rounds up close or more rounds down range at a distance, the SF110 does it all.

# TAC 4046



## STAND-ALONE/UNDER-RIFLE GRENADE LAUNCHER

### Technical Specifications:

<b>Caliber</b>	40mm (40x46mm)
<b>Action</b>	Double action trigger, single shot
<b>Effective Range</b>	100-400m
<b>Barrel Length</b>	24.5cm / 9.6in
<b>Launcher length</b>	32.3cm / 12.7in
<b>Stand-alone length</b>	57.5cm / 22.6in w/ collapsed buttstock 65cm / 25.6in w/ extended stock
<b>Weight</b>	1.7kg / 3.7lb w/o module, 2.4kg / 5.2lb w/ module

### Features:

- Ambidextrous loading
- Adjustable graduated sight can be mounted in both directions to provide firing ranges of 50-400m.
- Retention tabs prevent the live ammunition or empty cartridge from falling.
- Diagonal gaps in the barrel facilitate the extraction of the fired cartridge.
- MIL-STD 1913 Picatinny rail on stand-alone module allows user to shoot comfortably under all conditions.



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**MK19**  
AUTOMATIC GRENADE LAUNCHER



## Features:

- Gun cradle, mount
- Tripod
- Traversing and elevating mechanism assembly
- Ammunition tray for 32/48 rd ammunition can
- Optic side mount
- Carrying bag, cleaning kit, operating manual, and round removal tool



# GLX



## STAND-ALONE / UNDER-RIFLE GRENADE LAUNCHER

NSN: 1010270716407

### Features:

- Ambidextrous loading
- Removable sight can be installed in 3 positions for stand-alone and under-rifle applications.
- Single-point sling
- Cleaning and maintenance kit



### Technical Specifications:

<b>Caliber</b>	40mm (40x46mm)
<b>Action</b>	Double action, single shot
<b>Sights</b>	100-400m in 100m intervals
<b>Effective Range</b>	400m
<b>Barrel Length</b>	25.4cm / 10in
<b>Launcher length</b>	33.7cm / 13.3in
<b>Launcher Weight</b>	2.7kg / 6lb (empty)
<b>Stand-alone length</b>	61cm / 24in w/ collapsed stock 68.5cm / 27in w/ extended stock
<b>Stand-alone Weight</b>	2.7kg / 6lb (empty)

### Operation

To load the GLX, simultaneously depress the buttons on both sides of the barrel to unlock the barrel and allow the barrel to move forward. Swivel the barrel to the right or left and insert the round. Close and lock the barrel into alignment. The launcher is now ready to fire.



# GLX



### Operation:

Barrel moves forward when the buttons located on both sides of the barrel are depressed simultaneously and the gun is loaded manually by opening the action to the right or left side optionally. This model has double action trigger and loading positioning wedge.

Caliber	40 mm
Barrel Length	254 mm (10")
Total Length standalone (telescopic stock open)	685 mm (27")
Total Length standalone (telescopic stock closed)	610 mm (24")
Total Length attached to mpt-76 rifle	337 mm (13 25")
Height (With Stock Grip/ Under Barrel)	190 mm (7 5") / 115 mm (4 5")
Width	60 mm (2.36") - 80 mm 3.15" with Man. Sight
Weight (stand alone-empty)	2700 gr
Weight (attached to mpt-76 rifle-empty)	1700 gr
Sight System	100-400 m (100 m intervals)
Shooting Mode	Single shot(both side loading & positioning wedge)
Trigger	Double Action
Shooting Velocity	5-6 rounds / minute
Muzzle Velocity	Minimum 75-85 m/s (±5m/s)
Effective Range	400 m / 375 m
Trigger Pull Force	30 - 60 Newton
Coking Force	60 - 120 Newton
Barrel Profile	SAE4140 Steel, 6 Groves RH twist 1/48"
Barrel Life Span	5000 rounds
Shooting Pattern	Into 10 m diameter at 200 m
Nato Stock Number	1010270716407
Type Of Ammunition	40x46 mm new and old generation low velocity (LV) ammunition of any type

# GLJ



## STAND-ALONE / UNDER-RIFLE GRENADE LAUNCHER

NSN: 1010270694584

### Technical Specifications:

<b>Caliber</b>	40mm (40x46mm)
<b>Action</b>	Double action, single shot
<b>Sights</b>	100-400m in 100m intervals
<b>Effective Range</b>	400m
<b>Barrel Length</b>	19.1cm / 7.5in
<b>Launcher length</b>	27cm / 10.6in
<b>Launcher Weight</b>	2.5kg / 5.4lb (empty)
<b>Stand-alone length</b>	54.5cm / 21.5in w/ collapsed stock 62cm / 24.4in w/ extended stock
<b>Stand-alone Weight</b>	2.5kg / 5.4lb (empty)

### Operation

To load the GLJ, simultaneously depress the buttons on both sides of the barrel to unlock the barrel and allow the barrel to move forward. Swivel the barrel to the right or left and insert the round. Close and lock the barrel into alignment.

The launcher is now ready to fire.

### Features:

- Ambidextrous loading
- Removable sight can be installed in 3 positions for stand-alone and under-rifle applications.
- Single-point sling
- Cleaning and maintenance kit





# GLJ



### Operation:

Barrel moves forward when the buttons located on both sides of the barrel are depressed simultaneously and the gun is loaded manually by opening the action to the right or left side optionally.

Caliber	40 mm
Barrel Length	191 mm (7 5")
Total Length standalone (telescopic stock open)	620 mm (24.4")
Total Length standalone (telescopic stock closed)	545 mm (21.5")
Total Length attached to mpt-76 rifle	270 mm (10.6")
Height (With Stock Grip/ Under Barrel)	190 mm (7 5") / 115 mm (4 5")
Width	60 mm (2.36") - 80 mm 3.15" with Man. Sight
Weight (stand alone-empty)	2450 gr
Weight (attached to mpt-76 rifle-empty)	1600 gr
Sight System	100-400 m (100 m intervals)
Shooting Mode	Single shot(both side loading & positioning wedge)
Trigger	Double Action
Shooting Velocity	5-6 rounds / minute
Muzzle Velocity	Minimum 75 m/s (+1Dm/s)
Effective Range	400 m
Trigger Pull Force	30 - 60 Newton
Cocking Force	55 - 120 Newton
Barrel Profile	SAE4140 Steel, 6 Groves RH twist 1/48"
Barrel Life Span	5000 rounds
Shooting Pattern	Into 10 m diameter at 200 m
Nato Stock Number	1010270694584
Type Of Ammunition	40x46 mm new and old generation low velocity (LV) ammunition of any type and 37/38-40 mm Less Lethal projectile

# MSGL



## MULTIPLE SHOT GRENADE LAUNCHER

### Technical Specifications:

<b>Caliber</b>	40mm (40x46mm)
<b>Action</b>	Double action revolver, 6 rounds
<b>Cycle of Operation</b>	Spring & gas cylinder advance
<b>Effective Range</b>	LV grenades 400m, MV grenades 800m
<b>Barrel Length</b>	20.3cm / 8in
<b>Length</b>	75cm / 29.5in w/ collapsed stock 82.3cm / 32.4in w/ extended stock
<b>Weight</b>	5.75 kg / 12.7lb (empty)

### Operation

The MGL is loaded by breaking from the back of the cylinder and manually turning the cylinder counterclockwise to rewind the mainspring. After the ammunition is loaded, the cylinder and buttstock group are closed and locked, making it ready to fire. When firing the launcher, the gas pressure generated opens the lock connected to the gas piston allowing the 6 round cylinder to rotate clockwise under the force of the mainspring and send the new round into alignment with the barrel.





# MSGL



### Operation:

With double action trigger, which is loaded by breaking from the back of the drum and is established by manually turning the drum, with 6 ammunition chambers drum, and semi-automatically operating with gas pressure. The drum, which is opened by hand, is setting up by turning it counterclockwise by the force of the mainspring in the center. After the ammunition is loaded, the drum and buttstock group are closed and locked, making it ready for firing. When fired, the gas pressure generated opens the lock connected to the gas piston, allowing the drum to rotate clockwise under the force of the mainspring, and the lock closes again to catch the next ammunition in the barrel chamber.

Caliber	40 mm
Barrel Length	203 mm (8")
Drum Cylinder Length	141 mm (5.5")
Total Length(Stock Extended)	823 mm (32,4")
Total Length(Stock Collapsed)	750 mm (29,5")
Total Length(Without Stock)	490 mm (19,2")
Weight (without - with stock)(empty)	5460-5750 gr
Dimension of launcher	L:823mm max Y:300mm E:172 mm
Mode of Fire	Semi- automatic and manual cycling
Sight system	Mechanics and Digital (Optional)
Shooting Mode	Revolver Gas Operating Semi Auto
Muzzle Velocity	LV 75 m/s & MV 100 m/S (±5m/s)
Ammunition Feeding	Rotating cylindrical drum
Effective Range (max)	LV grenades 400 m / MV grenades 800 m
Trigger pull FORCE	4.5 - 6 Kg (45 - 60 Newton)
Trigger	Double-action Trigger
Barrel life span	5000 rounds
Barrel Profile	6 Groves RH
Shooting Pattern	Into 10 m diameter at 200 m
Type Of Ammunition	40x46 mm Low Velocity (LV) & 40/51 mm Medium Velocity (MV) less than 140 mm

# Grenade Launcher Comparison



**TAC 4046**



**GLJ**

## Technical Specifications:

	<b>TAC 4046</b>	<b>GLX</b>	<b>GLJ</b>	<b>MSGL</b>
<b>Type</b>	Stand-Alone /Under-Rifle Grenade Launcher	Stand-Alone /Under-Rifle Grenade Launcher	Stand-Alone /Under-Rifle Grenade Launcher	Full-size Grenade Launcher
<b>Caliber</b>	40mm (40x46mm)	40mm (40x46mm)	40mm (40x46mm)	40mm (40x46mm)
<b>Action</b>	Double action trigger, single shot	Double action, single shot	Double action, single shot	Double action revolver, 6 rounds
<b>Effective Range</b>	100-400m	400m	400m	LV grenades 400m, MV grenades 800m
<b>Barrel Length</b>	27cm / 10.6in	25.4cm / 10in	19.1cm / 7.5in	20.3cm / 8in
<b>Launcher length</b>	2.5kg / 5.4lb (empty)	33.7cm / 13.3in	27cm / 10.6in	-
<b>Stand-alone length</b>	54.5cm / 21.5in w/ collapsed stock 62cm / 24.4in w/ extended stock	61cm / 24in w/ collapsed stock 68.5cm / 27in w/ extended stock	54.5cm / 21.5in w/ collapsed stock 62cm / 24.4in w/ extended stock	75cm / 29.5in w/ collapsed stock 82.3cm / 32.4in w/ extended stock
<b>Weight</b>	2.5kg / 5.4lb (empty)	2.7kg / 6lb (empty)	2.5kg / 5.4lb (empty)	5.75 kg / 12.7lb (empty)
<b>NSN</b>	-	1010270716407	1010270694584	



**GLX**



**MSGL**





# M249 SAW

## (Light Machine Gun)



### Description:

The M249 SAW light machine gun is designed to provide high and effective firepower to security forces in the field in an operational sense. Manufactured in accordance with NATO standards and capable of firing with 5.56 x 45mm ammunition, STANAG magazine, and M27 ribbon. Our M249 SAW light machine gun models are capable of meeting every need with 3 different barrel lengths.

### Features:

- HandGrip
- Two-position gas adjustment
- Hydraulic Bugger System
- Comfort: 3-stage adjustable stock allows users to shoot comfortably under all conditions
- Can be used with different optical devices (Thermal, Red Dot Sights, etc.)
- Easily mounted on armored vehicles and weapon systems.



### Technical Specifications:

<b>Operating Principle</b>	Gas Operated, Rotating Bolt, Long Stroke	<b>Accuracy</b>	H + L 20 cm
<b>Caliber</b>	5.56 mm x 45 NATO	<b>Firing Mode</b>	Full Automatic
<b>Barrel Length</b>	465 mm	<b>Gas Valve Setting Mode</b>	Fixed
<b>Extended Length</b>	1000 mm	<b>Barrel Type</b>	Cold Hammer Forged
<b>Collapsed Length</b>	960 mm	<b>Barrel Lifetime</b>	15.000 + rds
<b>Weight</b>	7.900 g	<b>Twist Rate</b>	6RH, 1-7"
<b>Muzzle Velocity</b>	925 ± 25 m/s	<b>Feeding System</b>	Left Fed M27 Link, STANAG Magazine
<b>Cyclic Rate of Fire</b>	700 - 1000 rpm	<b>Stock</b>	Adjustable with Hydraulic Buffer

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# M249 - C



## Description:

The M249 - C is the civilian version of the M249 LMG designed to provide high and effective firepower to security forces in the field in an operational sense. Manufactured in accordance with NATO standards and capable of firing with 5.56 x 45mm ammunition, STANAG magazine, and M27 ribbon. Our M249 -C models are capable of meeting every need with 3 different barrel lengths.

## Features:

- HandGrip
- Two-position gas adjustment
- Hydraulic Bugger System
- Comfort: 3-stage adjustable stock allows users to shoot comfortably under all conditions
- Can be used with different optical devices (Thermal, Red Dot Sights, etc.)
- Easily mounted on armored vehicles and weapon systems.



## Technical Specifications:

<b>Operating Principle</b>	Gas Operated, Rotating Bolt, Long Stroke	<b>Accuracy</b>	H + L 20 cm
<b>Caliber</b>	5.56 mm x 45 NATO	<b>Firing Mode</b>	Semi-automatic
<b>Barrel Length</b>	465 mm	<b>Gas Valve Setting Mode</b>	Fixed
<b>Extended Length</b>	1000 mm	<b>Barrel Type</b>	Cold Hammer Forged
<b>Collapsed Length</b>	960 mm	<b>Barrel Lifetime</b>	15.000 + rds
<b>Weight</b>	7.900 g	<b>Twist Rate</b>	6RH, 1-7"
<b>Muzzle Velocity</b>	925 ± 25 m/s	<b>Feeding System</b>	Left Fed M27 Link, STANAG Magazine
<b>Cyclic Rate of Fire</b>	700 - 1000 rpm	<b>Stock</b>	Adjustable with Hydraulic Buffer

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# M2HB



## Description:

An M2HB machine gun is a heavy, belt-fed, air-cooled, recoil-operated weapon that fires the .50 caliber Browning Machine Gun (BMG) cartridge, known for its powerful stopping power and is often referred to as the “Ma Deuce”; it features a “Heavy Barrel” design for sustained fire, allowing for a high rate of fire and is typically used as a crew-served weapon mounted on vehicles or in fixed positions, capable of engaging both personnel and light armored targets at long ranges; the M2HB is known for its reliability and versatility, with the ability to feed ammunition from either the left or right side depending on the configuration.

## Features:

- **Caliber:** .50BMG (12.7mm)
- **Operation:** Recoil operated, belt-fed, air-cooled
- **Barrel type:** Heavy Barrel (HB) for increased sustained fire capability
- **Feeding:** Can be configured for left or right-hand feed
- **Notable features:** “Spade” grip handles with a butterfly trigger, changeable barrel
- **Applications:** Anti-personnel, anti-aircraft, vehicle mounted, ground-based

## Technical Specifications:

<b>Working Principle</b>	Short Recoil	<b>Muzzle Velocity</b>	± 900 m/s with M33
<b>Caliber</b>	50. (12.7 x 99mm)	<b>Effective Range</b>	+ / - 1850 m Depending on Ammunition
<b>Barrel Length</b>	1145 mm	<b>Maximum Range</b>	± 6800 m
<b>Total Length</b>	1665 mm	<b>Shooting Mode</b>	Single Shot - Full-automatic
<b>Barrel</b>	1/15 groove set 8 groove 8 set	<b>Firing Speed</b>	450 - 600 rpm
<b>Weight</b>	± 38.5 kg	<b>Flash Hider</b>	Available
<b>Barrel Weight</b>	12 kg	<b>Strip Feeding System</b>	M2/M9 Belt from Left or Right Side

# M2HB - C



## Description:

An M2HB-C machine gun is a heavy, belt-fed, air-cooled, recoil-operated weapon that fires the .50 caliber Browning Machine Gun (BMG) cartridge, known for its powerful stopping power and is often referred to as the “Ma Deuce”; it features a “Heavy Barrel” design for sustained fire, allowing for a high rate of fire and is typically used as a crew-served weapon mounted on vehicles or in fixed positions, capable of engaging both personnel and light armored targets at long ranges; the M2HB is known for its reliability and versatility, with the ability to feed ammunition from either the left or right side depending on the configuration.

## Features:

- **Caliber:** .50BMG (12.7mm)
- **Operation:** Recoil operated, belt-fed, air-cooled
- **Barrel type:** Heavy Barrel (HB) for increased sustained fire capability
- **Feeding:** Can be configured for left or right-hand feed
- **Notable features:** “Spade” grip handles with a butterfly trigger, changeable barrel
- **Applications:** Anti-personnel, anti-aircraft, vehicle mounted, ground-based

## Technical Specifications:

<b>Working Principle</b>	Short Recoil	<b>Muzzle Velocity</b>	± 900 m/s with M33
<b>Caliber</b>	50. (12.7 x 99mm)	<b>Effective Range</b>	+ / - 1850 m Depending on Ammunition
<b>Barrel Length</b>	1145 mm	<b>Maximum Range</b>	± 6800 m
<b>Total Length</b>	1665 mm	<b>Shooting Mode</b>	Single Shot - Semi-automatic
<b>Barrel</b>	1/15 groove set 8 groove 8 set	<b>Firing Speed</b>	450 - 600 rpm
<b>Weight</b>	± 38.5 kg	<b>Flash Hider</b>	Available
<b>Barrel Weight</b>	12 kg	<b>Strip Feeding System</b>	M2/M9 Belt from Left or Right Side



## Light Squad Assault Weapon (LSAW)



LSAW (Light Squad Assault Weapon) weighing almost the same as a service rifle, the LSAW Close Bolt is a fully automatic, ultra-light machine gun that operates with both magazine and belt fed 5.56x45mm ammunition. While its equivalents are in the around 8-10 kg, LSAW Open Bolt weighs 4.250 kg and offers users easy-to-carry and use even in the most challenging field conditions. In order to make LSAW lighter than its equivalents, aluminum was used as raw material in parts such as the frame, handguard and feed cover. The magazine capacity of the LSAW is 30, and for use with ammunition belt, it can be used with ammunition belts with a capacity of 50 - 100 - 200 ammunition, depending on the user's demands. The barrel of the LSAW can be removed and replaced with a spare barrel in seconds, even in challenging terrain conditions. Thanks to the double-stage adjustable gas regulator on the barrel, the gun can be operated at lower or higher speeds. There are picatinny rails in accordance with MIL-STD-1913 standard on the feed cover and the handguard. The LSAW has a 6 position telescopic adjustable stock.

### Technical Specifications:

<b>Caliber</b>	5.56mm x 45 NATO
<b>Operation</b>	Closed Bolt
<b>Magazine Capacity</b>	30 rds
<b>Weight(w/o Magazine &amp; Accessories)</b>	4.250 kg
<b>Barrel Length</b>	16" - 406.4mm
<b>Overall Length (stock collapsed)</b>	809mm
<b>Overall Length (extended Stock)</b>	869mm
<b>Overall Height</b>	243mm
<b>Trigger Pull Weight</b>	20 - 30 N
<b>Barrel Twist Rate</b>	1:7" - 1:178mm 6 Grooves Right Hand Twist

## Light Squad Assault Civilian (LSAW-C)



LSAW (Light Squad Assault Weapon) weighing almost the same as a service rifle, the LSAW Close Bolt is a semi-automatic, ultra-light gun that operates with both magazine and belt fed 5.56x45mm ammunition. While its equivalents are in the around 8-10 kg, LSAW-C Open Bolt weighs 4.250 kg and offers users easy-to-carry and use even in the most challenging field conditions. In order to make LSAW-C lighter than its equivalents, aluminum was used as raw material in parts such as the frame, handguard and feed cover. The magazine capacity of the LSAW-C is 30, and for use with ammunition belt, it can be used with ammunition belts with a capacity of 50 - 100 - 200 ammunition, depending on the user's demands. The barrel of the LSAW-C can be removed and replaced with a spare barrel in seconds, even in challenging terrain conditions. Thanks to the double-stage adjustable gas regulator on the barrel, the gun can be operated at lower or higher speeds. There are picatinny rails in accordance with MIL-STD-1913 standard on the feed cover and the handguard. The LSAW-C has a 6 position telescopic adjustable stock.

### Technical Specifications:

<b>Caliber</b>	5.56mm x 45 NATO
<b>Operation</b>	Closed Bolt
<b>Magazine Capacity</b>	30 rds
<b>Weight(w/o Magazine &amp; Accessories)</b>	4.250 kg
<b>Barrel Length</b>	16" - 406.4mm
<b>Overall Length (stock collapsed)</b>	809mm
<b>Overall Length (extended Stock)</b>	869mm
<b>Overall Height</b>	243mm
<b>Trigger Pull Weight</b>	20 - 30 N
<b>Barrel Twist Rate</b>	1:7" - 1:178mm 6 Grooves Right Hand Twist



# M249 & M240 B

## M249 SAW



The FN M249S, a semi-automatic version of the M249 SAW light machine gun, was originally developed by FN Herstal as the FN MINIMI and adopted by the U.S. military in 1988. The rifle features the signature 18.5-inch cold hammer-forged, chrome-lined barrel and operates from a closed-bolt position. Chambered in 5.56x45mm NATO, the rifle will accept both magazine and linked ammunition belt.

## Technical Specifications

<b>Caliber:</b>	5.56x45mm
<b>Operation:</b>	Closed-bolt
<b>Mag Capacity:</b>	200 Rd. belt or 30 Rd. mag
<b>Weight:</b>	17.2 lb.
<b>Barrel Length:</b>	18.5"
<b>Overall Length:</b>	40.75"
<b>Overall Height:</b>	9.5"
<b>Trigger Pull:</b>	8 - 15.5 lb.
<b>Twist Rate</b>	1:7 RH

### Primary Features

- Semi-auto replica of the FN M249 SAW
  - Robust gas system
- Receiver:**
- Formed steel frame with claw extractor design
  - Fixed, pivoting ejector, plus side ejection of cases
  - Top cover integrated MIL-STD-1913 mounting rail for sighting systems
  - Folding steel bipod
  - Folding carry handle
  - Flip-up feed tray cover and feed mechanism
- Barrel:**
- Quick-change barrel capability
  - 18.5" cold hammer-forged steel
  - Hard chrome-plated bore and chamber
  - Removable heat shield

## M240B



The M240 (also known as the FN MAG® or FN MAG® 58) family of medium machine guns (7.62x51mm NATO) has long been employed by all services of the U.S. Armed Forces. The M240B is the "go to/can do" medium machine gun for all branches of the U.S. military, offering absolute reliability, extended range, and an exceptional service life.

This weapon's high volume of fire makes it the principal suppressive fire instrument for the infantry platoon and company. The M240 is one of the most essential and widely used small arms in Iraq and Afghanistan.

## Technical Specifications

<b>Caliber:</b>	7.62x51 mm NATO
<b>Operation:</b>	Open-bolt
<b>Barrel Length:</b>	21.7"
<b>Overall Length:</b>	48.5"
<b>Height:</b>	11.6"
<b>Rate of Fire:</b>	550-650 RPM

### Product Features

- Belt-fed
  - Quick change barrel
  - Machined steel receiver
  - Composite polymer trigger grip
  - Lightweight 5.8 lbs. barrel
  - Machined steel front sight
  - Single-port gas regulator
  - Matte black non-reflective finish on all surfaces
  - Adjustable steel bipod on all M240B models
- Receiver:**
- Solid steel frame on M240B
  - Gas-operated
  - Fires from the open bolt position to reduce heat buildup and potential for chambered round cook-off
  - Multiple integrated MIL-STD-1913 mounting rails for optics, lights and laser devices



# M249-C & M240B-C

## M249-C SAW



The FN M249S, a semi-automatic version of the M249 SAW light machine gun, was originally developed by FN Herstal as the FN MINIMI and adopted by the U.S. military in 1988. The rifle features the signature 18.5-inch cold hammer-forged, chrome-lined barrel and operates from a closed-bolt position. Chambered in 5.56x45mm NATO, the rifle will accept both magazine and linked ammunition belt.

## Technical Specifications

<b>Caliber:</b>	5.56x45mm
<b>Operation:</b>	Closed-bolt
<b>Mag Capacity:</b>	200 Rd. belt or 30 Rd. mag
<b>Weight:</b>	17.2 lb.
<b>Barrel Length:</b>	18.5"
<b>Overall Length:</b>	40.75"
<b>Overall Height:</b>	9.5"
<b>Trigger Pull:</b>	8 - 15.5 lb.
<b>Twist Rate</b>	1:7 RH

### Primary Features

- Semi-auto replica of the FN M249 SAW
- Robust gas system

### Receiver:

- Formed steel frame with claw extractor design
- Fixed, pivoting ejector, plus side ejection of cases
- Top cover integrated MIL-STD-1913 mounting rail for sighting systems
- Folding steel bipod
- Folding carry handle
- Flip-up feed tray cover and feed mechanism

### Barrel:

- Quick-change barrel capability
- 18.5" cold hammer-forged steel
- Hard chrome-plated bore and chamber
- Removable heat shield

## M240B-C



The M240B-C (also known as the FN MAG® or FN MAG® 58) family of medium machine guns (7.62x51mm NATO) has long been employed by all services of the U.S. Armed Forces. The M240B-C is the "go to/can do" medium machine gun for all branches of the U.S. military, offering absolute reliability, extended range, and an exceptional service life.

This weapon's high volume of fire makes it the principal suppressive fire instrument for the infantry platoon and company. The M240 is one of the most essential and widely used small arms in Iraq and Afghanistan.

## Technical Specifications

<b>Caliber:</b>	7.62x51 mm NATO
<b>Operation:</b>	Open-bolt
<b>Barrel Length:</b>	21.7"
<b>Overall Length:</b>	48.5"
<b>Height:</b>	11.6"
<b>Rate of Fire:</b>	550-650 RPM

### Product Features

- Belt-fed
- Quick change barrel
- Machined steel receiver
- Composite polymer trigger grip
- Lightweight 5.8 lbs. barrel
- Machined steel front sight
- Single-port gas regulator
- Matte black non-reflective finish on all surfaces
- Adjustable steel bipod on all M240B models

### Receiver:

- Solid steel frame on M240B
- Gas-operated
- Fires from the open bolt position to reduce heat buildup and potential for chambered round cook-off
- Multiple integrated MIL-STD-1913 mounting rails for optics, lights and laser devices

# MHMG-127



US DEFENSE  
SYSTEMS

**.50 Caliber Anti-Aircraft**



<i>Operating Principle</i>	<i>Short-recoil operated, Closed Bolt</i>
<i>Firing Mode</i>	<i>Single-shot, Full-automatic</i>
<i>Caliber</i>	<i>.50</i>
<i>Ammunition Feeding</i>	<i>Left or Right Hand, Disintegrating M2 or M9 belt</i>
<i>Cyclic Rate of Fire</i>	<i>450 - 600 rpm</i>
<i>Total Length</i>	<i>165.13"</i>
<i>Barrel Length</i>	<i>45"</i>
<i>Barrel</i>	<i>1/15 Twist, 8 Lands, 8 Grooves</i>
<i>Weight (empty)</i>	<i>85 lb</i>
<i>Barrel Weight</i>	<i>26,46 lb</i>
<i>Muzzle Velocity</i>	<i>± 900 m/s with M33</i>
<i>Effective Range</i>	<i>±1,850 m (depending on the ammunition)</i>
<i>Maximum Range</i>	<i>± 6,800 m</i>
<i>Flash Hider</i>	<i>Available</i>
<i>Number of Grooves</i>	<i>8</i>



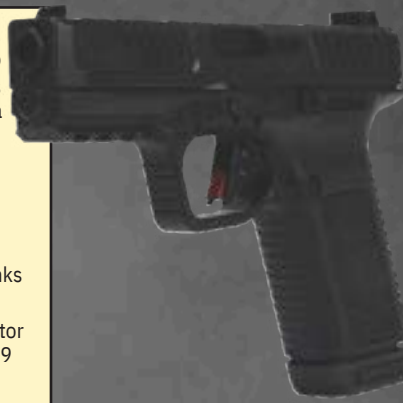
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## C9 - Compact

The C9 is a semi-automatic handgun that operates with 9x19 ammunition with a magazine capacity of 15+1. It offers users a very safe use with its three-point safety system. The C9 handgun has 102mm standard and 112mm long accessory attachable barrel options. This handgun is made with light and high strength material and its bolt and barrel go through a QPQ (quench, polish, quench) process which extends its longevity.

The C9 model handgun is suitable to be used in both right and left hand, and has a double-sided magazine release latch and an interchangeable magazine latch for right and left hands.

C9 allows the user to attach accessories (such as laser/flashlight) to the lower frame, thanks to the picatinny rail located on the lower frame. In addition, the C9 model handgun is also suitable for use with accessories such as magwell and magazine extender (The compensator cannot be used in 102mm barrel. It is suitable for a 112 barrel which is a featured in the C9 Ultimate).



## Technical Specifications:

	C9 Compact	C9 Ultimate
<b>Caliber</b>	9x19 mm	9x19 mm
<b>Trigger Pull</b>	20-25 N	20-25 N
<b>Magazine Capacity</b>	15	15
<b>Twist Rate</b>	1:10" - 1:254mm 6 Grooves Right Hand Twist	1:10" - 1:254mm 6 Grooves Right Hand Twist
<b>Barrel Length</b>	102mm / 4.01"	112mm / 4.40"
<b>Slide Length</b>	171mm / 6.73"	171mm / 6.73"
<b>Overall Length</b>	183mm / 7.2"	193mm / 7.6"
<b>Height Included Magazine</b>	135mm / 5.31"	135mm / 5.33"
<b>Height w/o Magazine</b>	122mm / 4.80"	122mm / 4.82"
<b>Slide Width</b>	26mm / 1.023"	26mm / 1.023"
<b>Overall Width</b>	33mm / 1.3"	33mm / 1.3"
<b>Weight w/ Empty Magazine</b>	694	704
<b>Weight w/ loaded Magazine</b>	883	893
<b>Safety System</b>	Trigger Safety - Firing Pin Safety - Drop Safety	Trigger Safety - Firing Pin Safety - Drop Safety
<b>Picatinny Rail</b>	MIL-STD-1913	MIL-STD-1913
<b>Trigger Type</b>	Flat-Faced Trigger	Flat-Faced Trigger

## C9 - Ultimate



Built to the same standards as the C9 - Compact, the C9 - Ultimate offers a longer barrel which allows the user to equip a compensator. Thanks to its release spring, the C9 has less recoil force and offers the user the opportunity to aim faster.

The C9 model handgun is suitable to be used in both right and left hand, and has a double-sided magazine release latch and an interchangeable magazine latch for right and left hands.

For users who want to use a red dot, the C9 ULTIMATE model has a red dot slot. C9 allows the user to attach accessories (such as laser/flashlight) to the lower frame, thanks to the picatinny rail located on the lower frame.



# DRONE COMMAND STATION



## Custom Configurations

### Remote Mobile Tactical Command Center

Control and track troop movement for extended operations • High mobility trailer handles rough rural locations • Stores extra supplies, parts, and tools • Remote power capabilities



### Long Term Outpost

• Self Contained long duration outpost • Living quarters • Food/water storage

### Mobile Drone Command Center

• Launch and control multiple drones • Launch and landing platform on roof • Solar charging ports and video link in control center • Remote recording capabilities • Mobile drone command center with extended deployment capabilities



### K9 Transportation Unit

• Ensure safe kennel and travel for your K9 Unit • Removable K9 Transport Unit Inserts • Window guards and heat alert systems

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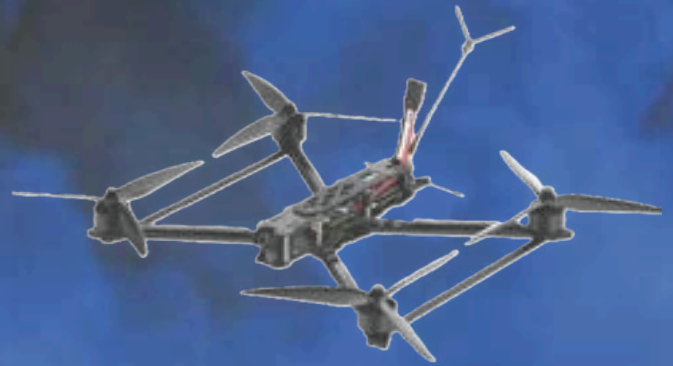


# KS 8



Technical Specifications:		Components:	
Weight (no battery)	550g	Frame	8inch frame from carbon
Maximum payload	3kg	Stack	Flight controller with F4 processor ECS 60A
Maximum flight time*	12min.	Camera	Analog micro sized camera
Maximum speed*	*140km/h.	VTx	Analog video transmitter
*Hover, no wind conditions, 5°C temperature, with payload, battery type: Li-ion 6s 8000mAh  **in ideal conditions, battery type: Lipo 6s 2200mAh		Antenna	Circular polarized antenna
		Motors	DC motor up to 35V
		Receiver	ELRS modulation
		Propellers	8inch, 3 blade, from plastic

# NEMESIS 8



Technical Specifications:		Components:	
Weight (no battery)	550g	Frame	8inch frame from carbon
Maximum payload	3kg	Stack	Flight controller with F4 processor ECS 60A
Maximum flight time*	12min.	Camera	Analog micro sized camera
Maximum speed*	*140km/h.	VTx	Analog video transmitter
Battery	Li-ion 6s 8000mAh	Antenna	Circular polarized antenna
*Hover, no wind conditions, 5°C temperature, with payload, battery type: Li-ion 6s 8000mAh  **in ideal conditions, battery type: Lipo 6s 2200mAh		Motors	DC motor up to 35V
		Receiver	ELRS modulation
		Propellers	8inch, 3 blade, from plastic



## Operating performance in severe environments

### Physical Endurance

Tested in the lab and proven in combat, USDS gun optics meet or exceed the physical endurance requirements of military forces throughout the world. Each USDS optic is CNC machined from a solid block of 6061-T6 aircraft quality aluminum and type III hardcoat anodized. A USDS optic can support a weight of more than two tons and still maintain zero.



### Environment Testing (MIL-STD 810)

All USDS optics are tested and meet MIL-STD 810 standards.

- Low and high temperature
- Waterproof to a depth of 9.14m / 30ft
- Thermal shock, impact, vibration, and altitude
- Humidity and fog proof
- Corrosion resistant
- Contamination resistant



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# PVS-14



## Description:

Our USDS PVS-14A Gen III White Phosphor System is USDS's most advanced monocular. Our monocular features new white phosphor image tube technology as well as a manual gain control which allows the user to increase or decrease image tube brightness for greater image contrast in varying light conditions. The USDS PVS-14A uses an auto-gated Generation III image tube in a compact, high performance, mil-spec housing designed for multiple applications. It can be hand-held, head-mounted, helmet-mounted and weapons-mounted.



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## Features:

- Auto-gated military performance
- CurrentOMNI VIII military Standard
- Generation III variable gain intensifier
- P45 white phosphor image tubes with data
- Single AA battery design
- Submersible & weatherproof
- Weapons-mountable up to 5.56mm platforms
- Bump helmet and mount - optional accessories

### Technical Specifications

Image Intensified	Auto Gated
Phosphor	P45
Magnification	1x
Field of View	40 Degrees
Diopter Adjustment	+2 / -6
Eye Relief	25mm
Weight	345.86g / 12.2oz
Dimensions	114.3 x 5.08 x 5.72cm / 4.5 x 2 x 2.25in
Operating Temp	-40° to +70°C / -40° to 158°F
Battery Type	AA(1)
Battery Life	40 hours

**Standard package includes: USDS/UNVG Gen III goggle, soft carrying case, CR123A battery (1), lanyard, lens cleaning tissue, tube data sheets & digital manual**

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# MML Military Magnifier Lens



## Features:

- Magnification: Available in 3x (MML3X) or 5x (MML5X)
- Afocal telescope
- F/1.5 optics
- Attaches to the USDS PVS-7 and USDS PVS-14
- Quick detach or fixed lens
- Comes with a flexible durable carrying case

## Description:

- A high-performance Galilean afocal telescope, the USDS Military Magnifier Lens mounts to the objective lens of many of USDS's mil-spec night vision devices. It can be used as quick detach or fixed lens. A flexible and durable carrying case is included.

## Technical Specifications

<b>For Use With:</b>	PVS-7, PVS-14
<b>Magnification:</b>	3x (MML3X) and 5x (MML5X)
<b>F-Number:</b>	F/1.5
<b>Attachment Method:</b>	Quick detach or screwed to the objective of the PVS-7 or PVS-14



Our USDS Universal Night Vision Goggle (UNVG) Is a lightweight, feature-rich night vision system. The UNVG builds upon years of research and development based on end user feedback. The UNVG shares its roots with the BNVD-1431 MKII in core features. However, the UNVG offers a vastly superior overall system while maintaining its cost effectiveness. The UNVG is compatible with all dovetail style mounts.

## Features:

- Dual tube auto-gated design
- Articulating individual pods
- Individual pod shut off
- Integrated interpupillary distance stops (IPD stops)
- Dovetail mounting
- Automatic brightness control
- Bright light cut off circuitry
- Simple intuitive controls
- Built-In infrared illuminator
- Rugged composite housing
- Manual gain - memory
- 2 min standby - auto off
- Stow - automatic shut off
- 1 CR123 battery design
- AA remote battery pack (optional)
- Two-year limited warranty

Technical Specifications	
<b>Image Intensified:</b>	Auto Gated
<b>Phosphor:</b>	P43 green phosphor, P45 white phosphor
<b>Magnification:</b>	1x
<b>Field of View:</b>	40 Degrees
<b>Diopter Adjustment:</b>	+2 / -6
<b>Eye Relief:</b>	25mm
<b>Weight:</b>	580g / 20.46oz
<b>Dimensions:</b>	16.5 x 12 x 16cm / 6.5 x 4.72 x 6.3in
<b>Operating Temp:</b>	-40° to +70°C / -40° to 158°F
<b>Battery Type:</b>	CR123A(1)
<b>Battery Life:</b>	40 hours

**Standard Package Includes USDS/UNVG Gen III goggle, soft carrying case, CR123A battery (1), lanyard, lens cleaning tissue, tube data sheets, and digital manual**





The Because Operator Low Profile Mission Recorder X 4K is unquestionably the absolute best night vision recording device on the market as it accurately records what you see through your tube with a 4K sensor at 30FPS.

### Features:

- Crystal clear ultra-high definition 3840 x 2160 30FPS recording
- Externally powered to your choice of battery pack. (battery pack not included)
- Supports up to 512gb. (microSD not included)
- 30 MB/S write speed minimum (14GB/hour)
- Seamless 5-minute loop recording
- Auto record when powered on
- Integrated microphone
- 5-minute loop recording
- Recording indicator light turns off after 5 seconds to minimize signature
- Video output optimized for recording from the bottom of the device. Firmware to flip the image for running on the top of the device available upon request.

**•Please note that older video software may not be able to read 4K HEVC video files.**

Technical Specifications	
<b>For use with:</b>	PVS-7, PVS-14
<b>Resolution:</b>	4K
<b>Frame Rate:</b>	30FPS
<b>Audio:</b>	Integrated Microphone
<b>Supported Storage:</b>	Up to 512gb Micro SD (not included)
<b>Recording Loop:</b>	5 minutes
<b>Weight:</b>	31.18g / 1.1oz
<b>Dimensions:</b>	16.5 x 12 x 16cm / 6.5 x 4.72 x 6.3in

### BCO LPMR-X 4K RECORDER WALKTHROUGH:

- The LPMR-X 4K uses HEVC (x265) video codec to play back LPMR-X 4K recordings. We recommend the use of the free VLC media player. The HEVC codec can be purchased at the Microsoft store and used with the latest version of Microsoft Windows media player.
- To begin recording, insert a compatible microSD card and plug the LPMR-X 4K into a USB power source.
- If your card is not formatted for FAT32, the LPMR-X 4K will update the card to the appropriate format before recording. The LPMR-X 4K records in 5-minute segments. Allow the device to run for a minimum of 5 minutes past any crucial footage before unplugging it from the power supply. Upon completion of recording, you can plug the LPMR-X 4K directly into your PC or insert the SD card into a card reader to transfer video files.



**Shown: USDS PVS-14 w/ BCO LPMR 4K Low Profile Mission Recorder - USB-C Model.**



### Technical Specifications

1431 MKII Battery Pack & Wire w/ Batteries in Poly Bag	1431 MKII Battery Pack & Wire (No batteries in Poly Bag)
1431 MKII Battery Pack & Wire (No batteries in Poly Bag)	11.43 x 13.97 x 5.08cm / 4.5 x 5.5 x 2in 164.43g / 5.8oz

The USDS USBP (Universal Strobe Battery Pack) is a robust remote power supply unit designed to work with the BNVD 1431 MKII housing to provide additional operational power for the device. It is constructed of injection molded polymer and stores four AA batteries as the power supply.

### Features:

- Made of durable injection molded polymer
- Holds four AA batteries as an external power supply
- Velcro backing for easy mounting to a helmet
- Battery compartment sealed for use in all weather conditions.
- Built-in IR strobe for team identification
- Power cable for the BNVD 1431 MKII is included





# MLAD-3G

## 4MODE LASER AIMING DEVICE

Visible Green · IR Targeting · IR Illuminator · IR Illuminator w/ IR Targeting (solid green circle and black outline with background color circle to represent IR)



### Technical Specifications

<b>Laser Type:</b>	Class 1/3R
<b>Vis Green Laser Output:</b>	< 5mW (high)
<b>R Laser Output:</b>	<.65mW (low) I, >50mW (high)
<b>IR Illum Output:</b>	<.65mW (low), I >50mW (high) vis grn:
<b>Wavelength:</b>	520 ~ 540nm / IR laser & IR illum: 835 ~ 860nm
<b>Windage &amp; Elevation:</b>	Dials: ¼ MOA
<b>Beam Divergence:</b>	vis grn: 0<0.8mrad IR laser: 0.5mrad / IR illum: 1 ~ 100 mrad
<b>Battery:</b>	CR123A (1)
<b>Battery Life:</b>	>10 hrs in dual high
<b>Dimensions:</b>	10.41 x 5.84 x 4.06cm / 4.1 x 2.3 x 1.6in
<b>Weight w/Battery:</b>	250g / 8.9oz
<b>Environmental:</b>	Mil-810G / ESD
<b>Remote Operation:</b>	single tape switch
<b>Colors:</b>	black

### Features:

- Meets MIL-STD-810G requirements
- ESD compliant for air worthiness
- Four modes of operation
- Activation / low battery indicator light
- Fully adjustable 1/4 MOA windage and elevation

The MLAD-3G, currently in use by international counter-terrorist units, combines a visible green laser for rapid threat identification in day/ low light with a covert IR aiming laser and unique rear focusing IR illuminator for tactical night vision operations. Specifically designed for the individual or a crew served weapon, the MLAD-3G's aiming lasers and illuminator are controlled with a single set of low profile windage and elevation dials that streamline bore sighting and weapon zeroing.



The export of USDS equipment is strictly prohibited without a valid export license issued by the U.S. Department of State, Office of Defense Trade Controls, in accordance with International Traffic in Arms Regulations (ITAR), Title 22, Code of Federal Regulations, Part 120-130



**DESIGNATE IR-V**  
**THREE MODE LASER AIMING DEVICE**  
 Visible Green · IR · IRw/ VCSEL Illuminator (solid green circle and black outline with background color circle to represent IR and VCSEL)



- Visible green laser/ IR laser / IR Laser w/VCSEL illuminator
- Three beam laser operation with diffuser filter
- MIL-STD crane remote switch connector
- Arisaka Defense 1913 Picatinny rail mount
- Arisaka Defense fire control button (momentary/constant)
- Easy to use selector switch visible green/off/IR/ IRw/ illuminator
- Intuitive “user only” activation light
- Windage / elevation adjustable / green slaves IR
- Remote pressure switch (optional)
- CR123 battery (1) included

Technical Specifications	
<b>Visible Laser</b>	520nm green
<b>Output Power</b>	> 5.0 mW Class 3R
<b>Beam Divergence</b>	.5 mrad
<b>Wavelength</b>	520nm
<b>Range</b>	> 50 m daylight
<b>IR Laser</b>	830nm infrared
<b>Output Power</b>	> 2.5 mW Class 3R
<b>Beam Divergence</b>	.5 mrad
<b>Range</b>	>1000m
<b>VCSEL Illuminator</b>	850nm infrared
<b>Output Power</b>	> 130 mW Class 3R
<b>Beam Divergence</b>	3°
<b>Beam Pattern</b>	round
<b>Range</b>	> 300m
<b>Weight w/Battery</b>	193g / 6.8oz
<b>Dimensions</b>	9.65 x 7.37 x 2.97cm / 3.8 x 2.9 x 1.17in
<b>Height Above Rail</b>	127cm / 0.5in
<b>Battery</b>	CR123 (1)
<b>Battery Life</b>	>5 Hours
<b>Waterproof</b>	> IP68 rating
<b>Operating Temp</b>	-20° to 60° C / -4° to 140° F
<b>Clamp</b>	7075 series aluminum
<b>Housing</b>	3D printed synthetic nylon with Cerakote finish and embedded steel insert for clamping screw

Our Designate IR-V laser is the smallest, lightest, three beam, tactical rifle laser available today. Built from synthetic nylon, this laser is designed to withstand recoil and will perform in all weather conditions. The Designate IR-V's set it forget it zero allows the user to zero the visible laser just once. Both laser sights will remain precisely co-witnessed for accuracy. The laser's small footprint sits below the weapons line of sight and allows the user to effortlessly switch to iron sights. The user controls have been carefully engineered for reliability, ease of use, and minimal drag. The newly added illuminator utilizes VCSEL technology providing illumination with exceptional distance and beam quality.

The included CQB filter diffuses the beam and provides perfect illumination for close up/indoor work where long-range illumination is not needed.

**PN: 200100 Designate IR-V, Black**  
**PN: 200200 Designate IR-V, Flat Dark Earth (FDE)**





**MLAD-2**  
**2 MODELASER AIMINGDEVICE**  
 VisibleRed / IRTargeting  
 (solid red circle and black outline with  
 background color circle to represent IR)



**Technical Specifications**

<b>Power Output</b>	vis red pointer: < 50mW (HIGH) / < 5mW (LOW) IR pointer: < 50mW (HIGH) / < 0.7mW (LOW) vis red pointer: 635 – 660nm
<b>Wavelength</b>	IR pointer: 835 – 850nm
<b>Beam Divergence</b>	visible pointer: < 0.8 mrad IR pointer: < 0.8 mrad
<b>Laser Type</b>	visible red pointer: Class 3b IR pointer: Class 3b anodized aircraft
<b>Material</b>	aluminum 6061-T6
<b>Weight w/ battery</b>	< 220g / 7.8oz
<b>Dimensions</b>	5.5 x 4.1 x 9.6cm / 2.17 x 1.61 x 3.78in
<b>Waterproof</b>	3m / 9.84ft
<b>Storage Temperature</b>	-40° C - +70° C / -40° - 158° F
<b>Operating Temperature</b>	-30° C ~ +60° C (-22° ~ 140° F), (RED / IR)
<b>Battery</b>	CR123A (1)
<b>Battery Life (Red / IR)</b>	Up to 10 hours continuous (50mW) Up to 30 hours continuous (5mW)



# Echo



## Features:

- Available with red or green reticle
- Dual laser pointers (visible red and IR) factory aligned in one body
- Remote laser control switch
- Comes with a vertical fore-grip with integrated laser controls

Technical Specifications			
<b>Optic Type</b>	Collimator	<b>Adjustment Range</b>	150 clicks / 1 MOA @ 100m
<b>Eye Relief</b>	Unlimited	<b>Dimensions</b>	1.1 x 7 x 7cm / .4 x 2.8 x 2.8in
<b>Magnification</b>	1X	<b>Weight</b>	410g / 14.5oz w/ battery
<b>Reticle Type/Size</b>	3 MOA (DOT), 50 MOA (CIRCLE)	<b>Power</b>	CR123A battery (1)
<b>Lens Dimensions</b>	28.3mm	<b>Temperature Range</b>	-15° - +65° C (5° - +149° F)
<b>Brightness Settings</b>	11 (8 daylight, 3 nightvision)		



The IRAY is regarded as one of the most powerful and versatile thermal optics on the market. Use it as a handheld scanner, helmet-mounted monocular, weapon sight, or thermal clip-on. The IRAY features a machined magnesium alloy housing to reduce weight. An added USB-C port allows for simplified file transfer and the ability to power the MICRO from an external battery bank. The internal video recorder includes crisp audio and 64 GB of internal storage. The 1440x1080 AMOLED display is paired with an eyepiece that offers comfortable viewing and clip-on compatibility for optics up to 6X magnification. The IRAY uses InfiRay's latest 12µm sensor, an improved NETD rating of ≤18mK, and a manual focus f/1.0 objective lens.

## Features:

- 7 reticles
- Color Palettes: White hot, black hot, red hot, color
- User updatable firmware
- Stand-by mode • Onboard recording
- Image capture
- Video output
- Bluetooth remote Capacity: 64 gb

## Technical Specifications

<b>Magnification</b>	Optical: 1x Digital: 4x
<b>Sensor Pixel Size</b>	12 µm
<b>Sensor Resolution</b>	640 x 480
<b>Display</b>	1440x1080 AMOLED
<b>Connector Type</b>	Data Cable with USB, BNC, and 7-pin Connectors
<b>Connector Output</b>	Analog RS-170/NTSC
<b>Weight</b>	320g / 11.3oz
<b>Dimensions</b>	1.6 x 6.5 x 4.8cm / .5 x 2.6 x 1.9in
<b>Power Source</b>	18650 rechargeable power bank
<b>Run Time</b>	6.5+ hours

**Standard Package Includes: IRAY thermal monocular device, soft carrying case, eyecup, lanyard, lens cap, operator's manual, video/power USB-C cable, and Bluetooth remote.**





**Zulu: Prism Single Dot**  
**Zulu-C: Prism Circle Dot**

Technical Specifications	
Optic Type	Prismatic
Eye Relief	Unlimited
Magnification	1X
Reticle Type/Size	Single dot / 1.5 MOA Circle dot / 2 MOA dot & 65 MOA circle
Lens Dimensions	30mm
Brightness Settings	11 (7 daylight, 4 nightvision)
Adjustment Range	150 clicks / 1 MOA @ 100m
Dimensions	7 x 5.6 x 6.5cm / 2.8 x 2.2 x 2.6in
Weight	352g / 12.42oz w /battery & screw-in mount
Battery	CR2032 battery (1)
MIL Spec Conformity	MIL-STD 810
Temperature Range	-41° ~ 71° C (-42° ~ 160° F)
IR Compatible	Yes
Mount	MIL-STD 1913 Rail

**Features:**

- Available in prism single dot (Canary) and prism circle dot (Canary-C)
- Available with red or green reticle
- Ideal size for the AR rifle platform
- Detachable mount (screw in / QD lever)
- Submersible to 30ft
- Sunshade rubber hoods





**Vector**  
**REFLEXSIGHT**  
 Prism or Single Dot



**Features:**

- Prismatic optical system with clear and compact lens
- Available with red or green reticle
- Excellent size for carbines, sub-machine guns, and shotguns
- Requires only 3.8cm / 1.5in of rail space
- 10mm spacer / adjustable sighting line height
- Submersible to 9m / 30ft
- Sunshade rubber hood

Technical Specifications	
Optic Type	Prism
Eye Relief	Unlimited
Magnification	1X
Reticle Type/Size	Single dot / 2 MOA
Lens Dimensions	17 x 23 mm
Brightness Settings	11 (7 daylight, 4 nightvision)
Adjustment Range	150 clicks / 1 MOA @ 100m
Dimensions	6.2 x 4.5 x 5.5cm / 2.4 x 1.8 x 2.2in
Weight	205g / 7.2oz
Battery	CR2032 battery (1)
Temperature Range	-41° - 71° C / -42° - 160° F
Environment	MIL-STD 810
Mount	MIL-STD 1913 Picatinny rail
Night Vision Compatible	Yes



**Strike**  
REFLEX SIGHT  
Single Dot

**Features:**

- Available with red or green reticle
- 30mm multi-layer coating objective lens
- 26mm ocular lens with FOV 27 degree (23.3m at 100m)
- Eleven position LED brightness control (manual rotary switch)
- 6061-T6 aircraft quality aluminum body / matte black hard anodized
- Water resistant to 9m / 30ft
- Detachable screw-in mount



**Technical Specifications**

<b>Optic Type</b>	Collimator	<b>Dimensions</b>	13 x 6 x 7cm / 5.12 x 2.36 x 2.76in
<b>Eye Relief</b>	Unlimited	<b>Weight</b>	345g / 12.17oz (no mount, no battery) 455g / 16.05oz (mount, battery)
<b>Magnification</b>	1X	<b>Battery</b>	AA battery (1)
<b>Reticle Type/Size</b>	Single dot / 1.5 MOA	<b>Temperature Range</b>	-41° - 71° C / -42° - 160° F
<b>Lens Dimensions</b>	30mm Objective Lens 26mm Ocular Lens	<b>Mount</b>	MIL-STD 1913 Picatinny Rail
<b>Brightness Settings</b>	11 (7 daylight, 4 nightvision)	<b>Conformity</b>	MIL-STD 810 durability testing
<b>Adjustment Range</b>	150 clicks / 1 MOA @ 100m	<b>Night Vision Compatible</b>	Yes
<b>Adjustment Per Click</b>	1 MOA @ 100m		



**Falcon**  
REFLEX SIGHT  
Single Dot

**NSN#: 1240-37-557-6868**



**Features:**

- Available with red or green reticle 30 mm objective lens with multi-layer anti-reflective scratch resistant coating
- FOV 27° (23.3m @ 100m)
- Rugged one-piece 6061-T6 aircraft quality aluminum body
- Dust cap covers for eyepiece and objective lens

**Technical Specifications**

<b>Optic Type</b>	Collimator	<b>Dimensions</b>	13.2 x 6.6 x 8cm / 5.2 x 2.6 x 3.15in
<b>Eye Relief</b>	Unlimited	<b>Weight</b>	360g / 12.7oz (w/ mount)
<b>Magnification</b>	1X	<b>Battery</b>	AA battery (1)
<b>Reticle Type/Size</b>	Single dot / 2 MOA	<b>Temperature Range</b>	-20° - 60° C / -4° - 140°F
<b>Lens Dimensions</b>	30mm Objective Lens 23mm Ocular Lens	<b>Mount</b>	MIL-STD 1913 Picatinny Rail
<b>Brightness Settings</b>	14 (7 daylight, 7 nightvision)	<b>Conformity</b>	MIL-STD 810
<b>Adjustment Range</b>	150 clicks / 20mm @ 100m	<b>Night Vision Compatible</b>	Yes



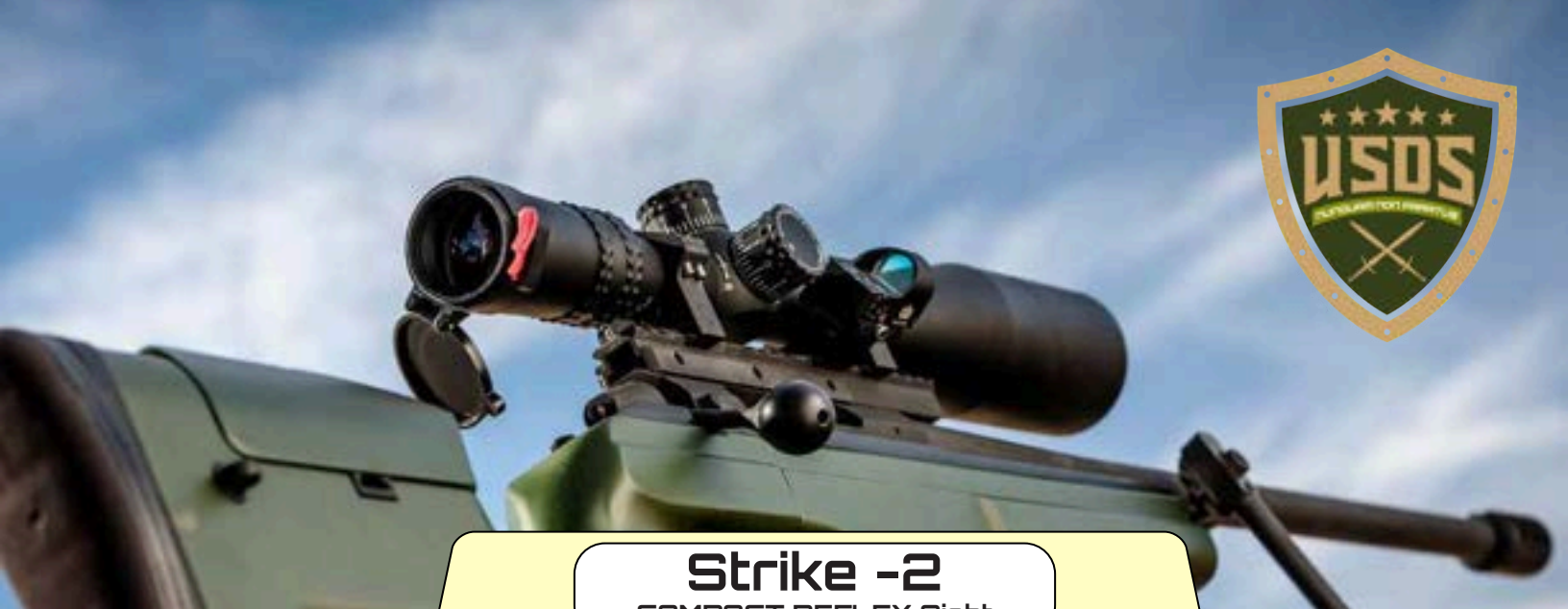
**Phoenix**  
**REFLEX SIGHT**  
 Phoenix **SingleDot**  
 Phoenix-C **Circle Dot**

**Features:**

- Available with red or green reticle
- Classic tube style Reflex sight at an affordable price
- Available with red dot (Phoenix) or circle dot (Phoenix-C)
- Short overall length leaves rail space for accessories such as a USDS MML3X or MML5X Military Magnifier Lens.
- Profile height adjustable between 29mm and 39mm (with 10mm spacer)



Technical Specifications	
<b>Optic Type</b>	Collimator
<b>Eye Relief</b>	Unlimited
<b>Magnification</b>	1X
<b>Reticle Type/Size</b>	Single dot / 1.5 MOA Circle dot / 2 MOA dot & 30 MOA circle
<b>Lens Dimensions</b>	22mm objective lens
<b>Brightness Settings</b>	12 (10 daylight & 2 nightvision)
<b>Adjustment Range</b>	50 clicks, 1 MOA @ 100m
<b>Brightness Control</b>	Two push buttons
<b>Dimensions</b>	6.2 x 3.2 x 6.2cm / 2.4 x 1.3 x 2.4in w/ spacer 7.6 x 3.2 x 5.2cm / 3 x 1.3 x 2in w/o spacer
<b>Weight</b>	186g / 6.6oz (including mount)
<b>Battery</b>	CR2032 battery (1)
<b>Spacer</b>	10mm height (removable)



**Strike -2**  
COMPACT REFLEX Sight



**Features:**

- Applicable to pistol, shotgun, and rifle
- Available with red or green reticle
- Auto brightness sensor
- Auto shut off after 30 minutes
- Built-in motion sensor (30 minutes)
- Hinged cover for easy battery replacement
- Submersible to 10ft

**Technical Specifications**

<b>Optic Type</b>	Collimator	<b>Dimensions</b>	4.3 x 2.7 x 2.6cm / 1.7 x 1 x 1in
<b>Eye Relief</b>	Unlimited	<b>Weight</b>	33g / 1.2oz w/ battery
<b>Magnification</b>	1X	<b>Battery</b>	CR2032 battery (1)
<b>Reticle Type/Size</b>	Circle dot / 2 MOA dot & 52 MOA circle	<b>Temperature Range</b>	-20° - 60° C / -4° - 140° F
<b>Lens Dimensions</b>	24 x 17mm	<b>Conformity</b>	MIL-STD 810
<b>Brightness Settings</b>	9 (7 daylight, 2 nightvision)	<b>Mount</b>	MIL-STD 1913 Picatinny rail
<b>Adjustment Range</b>	130 clicks / 1 MOA @ 100m		



# Delta



## Description:

- The Shrike prismatic sight provides the clear circled dot reticle for the quicker target acquisition and the better tracking of the moving target than those classical TUBE style red dot sights do. The rectangular prism (size: 35 x 25 mm) with proprietary multi-layer anti-reflective coating provides the exceptionally well defined reticle without the ghost image, flare or reflection. The Shrike is unsurpassed in rugged construction to retain the zeroing. Easy access push buttons allow the shooter to adjust the various brightness levels of the reticle and shift from daytime to night vision compatible mode right away.

Technical Specifications			
<b>Optic Type</b>	Collimated Red Dot Reflex	<b>Night Vision Compatible</b>	Yes
<b>Eye Relief</b>	Unlimited	<b>Brightness Settings</b>	Daytime @ 11 Levels / Night vision mode @ 7 Levels
<b>Reticle Type/Size</b>	Circled Dot / 52 MOA Circle & 2 MOA Dot	<b>Shift Mode Button</b>	Three buttons (NV, °)
<b>Overall Dimensions</b>	84mm x 58mm x 67mm (L x W x H)	<b>Click Movement</b>	More than +/- 50 CLICKS / 0.5 MOA per Click
<b>Lens Dimensions</b>	34 x 23 mm Objective Lens / 33 x 23mm Ocular Lens	<b>Water Proof</b>	30 minutes @ 3 meter
<b>Weight</b>	< 380 g With Mount & Battery Included	<b>Mount</b>	Screw-In Mount
<b>Battery / Life</b>	CR123@ 1 / +5,000 Hrs. @ Mid Brightness (Daytime Level #6)	<b>Operating Temp</b>	-32°C ~ +60°C



**PRDS 4**  
**REFLEX SIGHT**  
 3 MOA Single Dot (PDRS-3)  
 6 MOA Single Dot (PDRS-6)



**Description:**

- Primarily for pistol use, the base is configured to the Leupold Delta Point Pro footprint and will adapt to appropriately milled slides or onto a rear dovetail mounting adapter. The PRDS can mounted on most pistol platforms and can be utilized as a 1X solution on shotguns and rifles with magnified optics.

**Features:**

- 3MOA or 6 MOA single dot
- Available with red or green reticle
- Rugged aluminum housing
- Precision windage and elevation adjustment
- Push buttons allow for easy brightness adjustments
- Top loading battery

**Technical Specifications**

<b>Optic Type</b>	Collator
<b>Eye Relief</b>	Unlimited
<b>Magnification</b>	1X
<b>Reticle Type/Size</b>	Single dot / 3 MOA (PRDS-3), 6 MOA (PRDS-6)
<b>Lens Dimensions</b>	
<b>Brightness Settings</b>	9 (8 daylight, 1 nightvision)
<b>Adjustment Range</b>	1 MOA per click @ 100m
<b>Dimensions</b>	4.7 x 3.1 x 2.5cm / 1.9 x 1.2 x 1in
<b>Weight</b>	35g / 1.2oz
<b>Battery</b>	3MOA dot: 25,000 hours at level 5 6MOA dot: 20,000 hours at level 5
<b>Mount</b>	Leupold Delta Point Pro



**\*Included in package: PRDS Reflex, Sight, operator's manual, torx wrench, multi adjustment tool, M4 Screws (2), and CR2032 Battery (1)**



# Falcon-2

## 3x Magnifier-Positive ID



### Features:

- 6061-T6 aircraft quality aluminum body
- Matte black hard anodized
- Adjustable Diopter (-2 to + 2)
- Vertical & horizontal centering knobs
- Dimensions: 108 x 42 x 43mm (L x W x H)
- Compatible with flip up & down mount
- Submersible to 9m / 30ft

### Technical Specifications

<b>Eye Relief</b>	41 - 58mm	<b>Dimensions</b>	108 x 42 x 43mm / 4.3 x 1.7 x 1.7in (L x W x H)
<b>Objective Lens</b>	23mm	<b>Weight</b>	251g / 8.9oz
<b>Ocular Lens</b>	28mm	<b>Temperature Range</b>	-41° - 71° C / -42° - 160° F
<b>FOV</b>	19.2m @ 91.5m / 63ft @ 100yd	<b>Conformity</b>	MIL-STD 810

### Optional Mounts



**Mount Ring:**  
•30mm Diameter  
High Profile



**Mount Ring Adapter:**  
•30mm Diameter

## Osprey 3X Magnifier



### Features:

- Hard anodized
- Adjustable Diopter (-2 to + 2)
- Flip up & down mount compatible

Standard Package Includes: RH25 (640x480) Monocular Device - Thermal, Tactical Soft Carrying Case, Eyecup, Lanyard, Lens Cap, Operator's Manual, Video/Power USB-C Cable & Bluetooth Remote.

Technical Specifications			
<b>Objective Lens</b>	20mm	<b>Dimensions</b>	78 x 54 x 68mm / 3.1 x 2.1 x 2.7in (L x W x H)
<b>EyeRelief</b>	60 - 70mm	<b>Weight</b>	280g / 9.9oz
<b>Ocular Lens</b>	29mm	<b>Temperature Range</b>	-41° - 71° C / -42° - 160° F
<b>FOV</b>	13m @ 100 meters / 42.7ft @ 109.4yd (7.4°)		



# Reflex Sight Series for Machine Guns



**USDS DCL Series machine gun sights are specially designed for use with crew-served weapons mounted on platforms such as armored vehicles, boats, and helicopters. DCL reflex sights allow the gunner to stay on target even while on the move and ensure the weapon is ready to place first rounds on target.**

## Features:

- Collimator optic with unlimited eye relief
- Multiple LED brightness setting for both day and night operation
- Each model is integrated with a caliber specific trajectory compensation system
- The exceptionally large rectangular lens provides a wide field of view with both eyes open to facilitate fast target acquisition and tracking of moving targets.
- Adaptable to MIL STD 1913 Picatinny rail system
- Rock-solid stability for repeatable accuracy
- NVG Compatible





## ALL IN ONE

For Both Day and Night with Wide Window

### • Thermal Sight Technical Specifications

#### Thermal Engine Specifications

<b>System</b>	Uncooled LWIR thermal imaging
<b>Pixel Format</b>	640 x 480
<b>Pixel Size</b>	17um
<b>Wavelength</b>	8-14um
<b>NETD</b>	< 35mK @25°, F/1.0
<b>Frame rate</b>	30Hz
<b>Shutter</b>	No shutter

#### Thermal Sight Specifications

<b>Focus</b>	Fixed focus (30m ~ ∞)
<b>F Number</b>	1.7
<b>Reticle Type</b>	Reticle Shape Control / 4 Type (cross, dotted line etc.)
<b>Reticle Color</b>	4 colors (red / blue / green / white)
<b>Image Polarity</b>	White hot / black hot
<b>Stretch</b>	Display stretch level control / 5 steps
<b>Digital Zoom</b>	X2, X4 digital zoom

### • Reflex Sight Specifications

<b>Objective Type</b>	Collimator
<b>Eye Relief</b>	Unlimited
<b>Magnification</b>	1X
<b>Reticle Type/ Size</b>	Circle dot / 3 MOA dot & 35 MOA circle
<b>Lens Dimension</b>	100 x 56mm (W x H)
<b>Brightness Settings</b>	16 Levels

### • LRF Specifications

<b>Typical Measurement Range</b>	NATO standard target (2.3 x 2.3m, Albedo 30%, 10km visibility)
<b>Measurement Resolution</b>	1m
<b>Measurement Time</b>	< 1 second from LRF Button
<b>Divergence</b>	~ 1 mrad
<b>Wavelength</b>	1,550nm
<b>Laser Classification</b>	Laser Class 1 according to IEC60825- 1:2014 and ANSIZ136.1 (2014), eye-safe

### • VIDEO OUTPUT (OPTIONAL)

CVBS (NTSCorPAL)



# Recon



This is the first system which combines true day and night capability with a laser range finder (LRF) to adjust the trajectory distance. A large field of view for both day and night operations, the 100 x 56mm display screen allows the gunner to engage targets quickly. The eight-to-twelve-inch eye relief allows for better situational awareness.



Day Mode



Night Mode

## Technical Specifications

<b>Power Source</b>	Vehicle	12Vdc -32Vdc	<b>Dimensions</b>	183 x 200 x 137mm / 7.2 x 7.9 x 5.4in (L x W x H) w/o mount
	Battery	li-ion AA L91 / 8 cell rechargeable battery / 4 cell optional	<b>Housing Material</b>	High strength aluminum
<b>Operating Hours (Battery operating @25°C/ 77°F)</b>	Day Mode	≥1,000hr (When using LRF operating time is decreased.)	<b>Surface Finish</b>	Anodized, matte, carbon black, tan
	Night Mode		≥ 6h	<b>Conformity</b>
<b>Starting Time of Operation</b>	< 8 seconds from power on		<b>Mounting Solution</b>	MIL-STD 1913 Picatinny rail
<b>Operating Temperature</b>	-20°C – 70°C / -4°F – 158°F		<b>Trajectory Compensation (@M2HB)</b>	200, 400, 600, 800, 1000, 1200, 1500, & 2000m range adjustment
<b>Storage Temperature</b>	-30°C – 80°C / -22°F – 176°F		<b>Designed Weapons</b>	HMG NATO 12.7mm (M2HB,K6), 20mm cannon, 30mm cannon, 40mm AGL, GAU-19
<b>Weight</b>	< 4.1kg w/o battery pack, mount & accessories			

Models	
<b>Eagle</b>	Standard
<b>Eagle - L</b>	Standard + LRF
<b>Eagle - LV</b>	Standard + LRF + Video



**Eagle**  
for HMG NATO 12.7mm

NSN 05-01-626-1714

**Features:**

- Extra wide lens (120 x 70mm) allows operators to track moving target with both eyes open.
- Designed specifically for HMG (heavy machine guns)
- Solid construction for repeatable accuracy
- Integrated recoil compensator prevents loss of sight picture on high recoil weapons.
- Each sight is CNC machined from a solid block of 6061-T6 aircraft aluminum.



Technical Specifications	
Optic Type	Collator
Eye Relief	Unlimited
Magnification	1X
Reticle Type/Size	Circle dot / 3 MOA dot & 40 MOA circle
Lens Dimensions	120 x 70mm
Brightness Setting Adjustment range	11 (8 daylight, 3 nightvision)
Dimensions	330 x 180 x 155mm / 13 x 7.1 x 6.1in
Weight	3,100g / 109.3oz
Power	CR123 (2)
Battery Life	1,400 h -41° - 71°
Temperature Range	C / -42° -160° F

Model	CONDOR	CONDOR - H
Designated Weapons	HMG NATO 12.7mm (M2HB, K6)	HMG NATO 12.7mm w/ platform on helicopter (M2HB, K6)
Trajectory Weapons	200, 400, 600, 800, 1200 meters (5 Ranges)	



**Eagle-2**  
for HMG NATO 12.7mm, 7.62mm, 20mm

**NSN 1005-01-626-1713**



**Features:**

- Integrated recoil compensator retains sight picture on fast moving targets
- Wide lens (85 x 55mm) allows operators to track moving target with both eyes open.
- Suitable for platform mounted weapons on armored vehicles, helicopters, and boats
- Compatible with nightvision devices
- Specialized trajectory compensator for each of the three calibers

Technical Specifications	
Optic Type	Collator
Eye Relief	Unlimited
Magnification	1X
Reticle Type/Size	Circle dot / 3 MOA dot & 35 MOA circle
Brightness Setting Adjustment range	11 (8 daylight, 3 nightvision)
Dimensions	225 x 130 x 120mm
Weight	1,300g
Power	CR123 (1)
Battery Life	700 h
Temperature Range	-41° - 71° C / -42° - 160° F

Model	War Bird	War Bird - 7	War Bird - 20
Designated Weapons	HMG NATO 12.7mm (M2HB, K6)	HMG NATO 7.62mm (M240D, M60D, MG3)	NATO 20mm Cannon
Trajectory Weapons	200, 400, 600, 800, 1200 meters (5 Ranges)	200, 400, 500, 600, 700, 800, 900, 1000m (8 Ranges)	800, 1000, 1200, 1400, 1600, 2000m (6 Ranges)



# Tango

for HMG NATO 12.7mm, 7.62mm

NSN 1240-01-673-1089

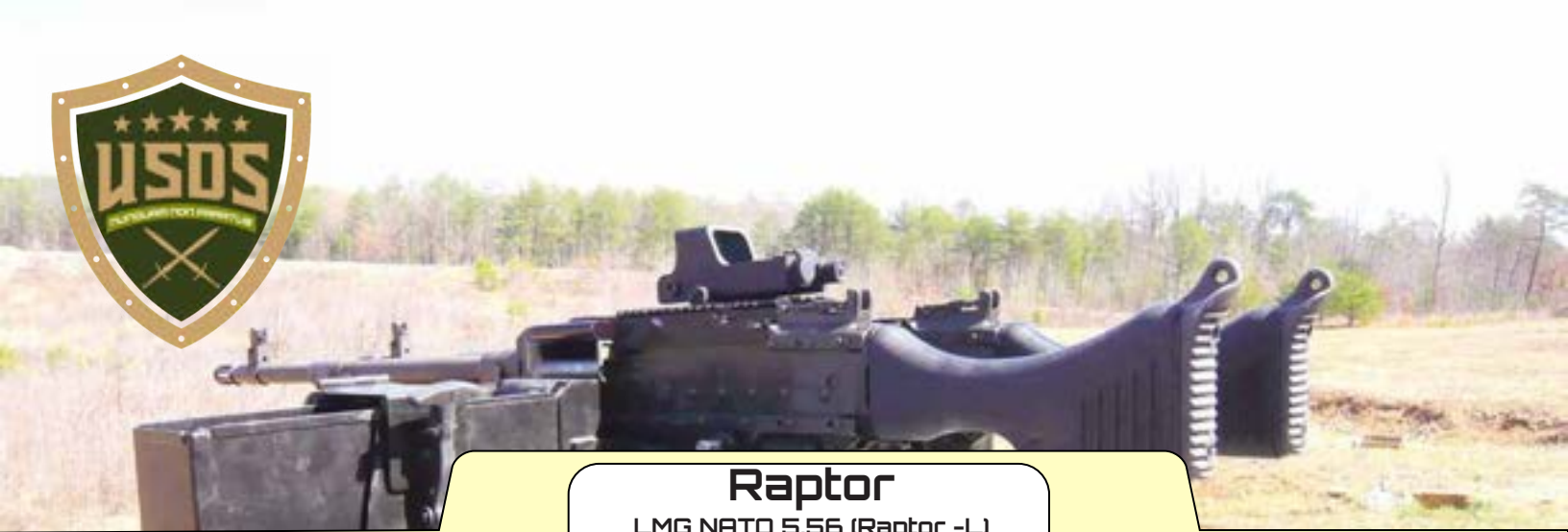


## Features:

- Integrated recoil compensator retains sight picture on fast moving targets
- Wide lens (85 x 55mm) makes easier to track moving targets.
- Supports both 12.7mm & 7.62mm caliber firearms using dual trajectory compensation switching plate.
- Auto brightness control mode with built in ambient light sensor
- Wide trajectory range

Technical Specifications	
Optic Type	Collimator
Eye Relief	Unlimited
Magnification	1X
Reticle Type/Size	Circle dot / 3 MOA dot & 35 MOA circle
Lens Dimensions	85 x 55mm
Brightness Setting Adjustment range	22 (11 daylight, 11 nightvision)
Dimensions	300 x 130 x 120mm / 11.8 x 5.1 x 4.7in
Weight	1,950g / 68.8oz
Power	CR123 (1)
Battery Life	700h
Temperature Range	-41° - 71° C / -42° - 160° F
Designated Weapons	HMG NATO 12.7mm (M2HB, K6), HMG NATO 7.62mm (M240D, M60D, MG3)
Trajectory Range	200, 400, 600, 800, 1000, 1200, 1500, 2000m (8 ranges)





**Raptor**  
 LMG NATO 5.56 (Raptor -L)  
 GPMG NATO 7.62 (Raptor-H)

**NSN 1005-01-626-1713**

**Features:**

- Suitable for light and general-purpose machine guns
- Wide lens (45x30mm) allows fast target acquisition
- Compatible with NVD systems
- Two different lens shapes available

Technical Specifications	
<b>Optic Type</b>	Collimator
<b>Eye Relief</b>	Unlimited
<b>Magnification</b>	1X
<b>Reticle Type/Size</b>	Circle dot / 3 MOA dot & 35 MOA circle
<b>Lens Dimensions</b>	45 x 30mm
<b>Brightness Setting Adjustment range</b>	11 (8 daylight, 3 nightvision)
<b>Dimensions</b>	180 x 100 x 90mm / 7.1 x 3.9 x 3.5in
<b>Weight</b>	720g / 25.4oz
<b>Power</b>	CR123 (1)
<b>Battery Life</b>	700h
<b>Temperature Range</b>	-41° - 71° C / -42° - 160° F

RAPTOR L



RAPTOR - M



Model	Raptor - L	Raptor - M
<b>Designated Weapons</b>	LMG NATO 5.56mm (M249, K3)	GPMG NATO 7.62mm (M240)
<b>Trajectory Weapons</b>	200, 300, 400, 500, 600, 800m (6 Ranges)	200, 400, 500, 600, 700, 800, 900, 1000m (8 Ranges)



## Predator for NATO 40mm AGL

### Features:

- The trajectory compensator provides accuracy at multiple ranges.
- The wide lens (85x55mm) makes easy acquisition and transition of target.
- Ruggedly built to meet the unique needs of AGL weapons



Technical Specifications	
Optic Type	Collimator
Eye Relief	Unlimited
Magnification	1X
Reticle Type/Size	Circle dot / 3 MOA dot & 35 MOA circle
Lens Dimensions	85 x 55mm
Brightness Setting Adjustment range	11 (8 daylight, 3 nightvision)
Dimensions	260 x 150 x 330mm / 10.2 x 5.9 x 13in
Weight	4,500g / 158.7oz
Power	CR123 (1)
Battery Life	700h
Temperature Range	-41° - 71° C / -42° - 160° F

Model	Predator - K	Predator - M	Predator - G
Designated Weapons	NATO 40mm AGL (K4)	NATO 40mm AGL (MK19)	NATO 40mm AGL (GMG40)
Trajectory Weapons	200, 400, 600, 700, 800, 900, 1000, 1200, 1300, 1400, 1500m (12 Ranges)		

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## Predator-M Optic Mount for MK19

Slide into the sight mounting bracket



### Features:

- Low profile mounting solution
- The BDC lever compensates trajectory and drift
- Lightweight: 1.2kg / 2.6lbs
- Compact size: 211 x 127 x 76mm / 8.3 x 5 x 3in (Lx H x W)
- Easy grip rotary lever
- Dust protection rubber cover
- Trajectory Range: 200, 400, 600, 700, 800, 900, 1000, 1100, 1200, 1300, 1400, 1500m (12 ranges)
- CNC machined and ruggedly built to meet military applications

The Raven is designed to easily slide onto the side mounting bracket of the MK19 AGL and lock into a low-profile position in a few seconds. The BDC (Ballistic Drop Compensation) lever, with easy grip, enables the gunner to quickly adjust the ballistic compensation from 200m to 1500m.



# BALLISTIC VESTS



## PATROL VEST



Protection Level	NIJ.06 Threat Level IIIA
Size	S - 4XL
Colors	Black, Coyote Brown
Configurations	REGULAR IIIA FLEXCORE IIIA ANTI-STAB IIIA + STAB1

### Features:

- Antimicrobial spacer mesh lining allows for comfort and ventilation
- Additional Zippers: 5 x 6 in. and 7 x 6 in.
- MOLLE webbing at front, back and sides to mount gear without sagging
- 2-Way full-length front zipper has zipper pulls at top and bottom
- Outer carrier made of durable 500D nylon 6.6 fabric
- Shoulder attachment points: for radio mics, cameras, lights
- Accommodates 10 x 12 in. hard armor plates in pockets located in the front and back (under outer layer).

## PATROL LC



Protection Level	NIJ.06 Threat Level IIIA
Size	S - 4XL
Colors	Black, Coyote Brown, Green
Configurations	REGULAR IIIA FLEXCORE IIIA ANTI-STAB IIIA + STAB1

### Features:

- Antimicrobial spacer mesh lining allows for comfort and ventilation
- Additional zippers: 5 x 6 in. and 7 x 6 in.
- MOLLE webbing at front, back and sides to mount gear without sagging
- Outer carrier made of durable 500D nylon 6.6 fabric
- Shoulder attachment points: for radio mics, cameras, lights
- Accommodates 10 x 12 in. hard armor plates in pockets located in the front and back (under outer layer)

## LIVEWIRE



Protection Level	NIJ.06 Threat Level IIIA
Size	S - 4XL
Colors	Black, Coyote Brown, Green
Configurations	REGULAR IIIA FLEXCORE IIIA ANTI-STAB IIIA + STAB1

### Features:

- Professional Appearance
- Built-in metal grommets allow attaching pin-back badges
- Antimicrobial spacer mesh lining allows for comfort and ventilation
- Outer fabric made of durable 100D nylon 6.6 fabric for the outer carrier
- Side entry pockets
- Deep pockets
- Full-length front zipper has zipper has dual zipper pulls
- Shoulder attachment points: for radio mics, cameras, lights
- Accommodates 10 x 12 in. hard armor plates in pockets located in the front and back (under outer layer)

## PRIMER



Protection Level	NIJ.06 Threat Level IIIA
Size	S - 4XL
Colors	Black, Coyote Brown, Green
Configurations	REGULAR IIIA FLEXCORE IIIA ANTI-STAB IIIA + STAB1

### Features:

- Professional Appearance
- MOLLE webbing at front, back and sides to mount gear without sagging
- Extra tab between upper pockets to attach radio or camera
- Additional 5 x 6 in. pockets with zippers
- Full-length front zipper has zipper has dual zipper pulls •Side entry pockets
- Shoulder attachment points: for radio mics, cameras, lights
- Accommodates 10 x 12 in. hard armor plates in pockets located in the front and back (under outer layer)



# BALLISTIC VESTS

## CATAPHRACT



Protection Level	NIJ.06 Threat Level IIIA
Size	S - 2XL
Colors	Black, Coyote Brown, MultiCam, Ranger Green, Navy Blue
Configurations	REGULAR IIIA FLEXCORE IIIA ANTI-STAB IIIA + STAB1

### Features:

- Made of lightweight and durable 500D Cordura.
- Laser-cut MOLLE platform for modality and lightweight
- Rapid Open Connector (ROC) system for quick release in emergencies
- Placard system compatible with SWIFT buckles for quick and easy attachment and removal
- IRR treatment for reduced visibility to infrared devices
- Slim profile without pockets for hard body armor plates
- Laser-cut flap cummerbund system in the back for quick and easy adjustment
- Overlapping side panels for 360-degree protection, reduced bulk, and improved ballistic insert protection

## KOURSOURS



Protection Level	NIJ.06 Threat Level IIIA
Size	S - 2XL
Colors	Black, Coyote Brown, MultiCam, Ranger Green, Navy Blue
Configurations	REGULAR IIIA FLEXCORE IIIA ANTI-STAB IIIA + STAB1

### Features:

- Molded Padding on Front - Back and Shoulders
- Made of lightweight and durable 500D Cordura.
- Laser-cut MOLLE platform for modality and lightweight
- Rapid Open Connector (ROC) system for quick release in emergencies
- Placard system compatible with SWIFT buckles for quick and easy attachment and removal
- IRR treatment for reduced visibility to infrared devices
- Slim profile without pockets for hard body armor plates
- Laser-cut flap cummerbund system in the back for quick and easy adjustment
- Overlapping side panels for 360-degree protection, reduced bulk, and improved ballistic insert protection

## SKELETAC HYBRID



Protection Level	NIJ.06 Threat Level IIIA
Size	S - 4XL
Colors	Black
Configurations	REGULAR IIIA FLEXCORE IIIA ANTI-STAB IIIA + STAB1

### Features:

- Shoulders have adjustment straps reinforced with high-performance synthetic rubber for durability
- Front area has laser-cut MOLLE webbing to mount accessories
- Professional appearance
- Twin elastic side cummerbunds with hook-and-loop closures and nylon pull-tabs for customized fit
- Cummerbunds available in various sizes to accommodate a wide range of body types• Side entry pockets
- Designed for use with Skeletac™ Kangaroo front pouch system with double-buckle attachment
- Accommodates 10 x 12 in. hard armor plates in pockets located in the front and back (under outer layer)

## COMP - 28



Protection Level	NIJ.06 Threat Level IIIA
Size	S - 4XL
Colors	Black
Configurations	REGULAR IIIA FLEXCORE IIIA ANTI-STAB IIIA + STAB1

### Features:

- Made of tough 500D nylon fabric with low-reflective matte black laminate nylon surfaces
- Front and rear insert plate pouches with pull-tab no-flap openings and hook-and-loop closures
- MOLLE webbing at front, back, and sides to mount accessories
- Extended sides provide crucial ballistic overlap coverage
- Left and right cummerbunds accommodate 6 x 6 in. and 6 x 8 in. side armor plates (sold separately)
- Designed longer than common short vests to protect lower abdomen without restricting seated movement
- Industrial-grade hook-and-loop fasteners allow critical torso/girth adjustments.



## M.S.O.V



Protection Level	NIJ.06 Threat Level IIIA
Size	S - 4XL
Colors	Black
Configurations	REGULAR IIIA FLEXCORE IIIA ANTI-STAB IIIA + STAB1

### Features:

- Designed longer than common short vests to protect lower abdomen without restricting seated movement
- Made of tough 500D nylon fabric with low-reflective matte black laminate nylon surfaces
- Front and rear insert plate pouches with pull-tab no-flap openings and hook-and-loop closures
- Molle webbing at front, back, and sides to mount accessories
- Extended sides provide crucial ballistic overlap coverage •Left and right cummerbunds accommodate 6 x 6 in. and 6 x 8 in. side armor plates (sold separately)

## ARMOR T-SHIRT



Protection Level	NIJ.06 Threat Level IIIA
Size	S - 4XL
Colors	Black
Configurations	REGULAR IIIA FLEXCORE IIIA ANTI-STAB IIIA + STAB1

### Features:

- Made of a lightweight, yet durable material that is comfortable to wear. The shirt can be worn under clothes, making it ideal for concealment. The shirt is also machine washable.
- Constructed from moisture wicking 85% polyester/15% spandex compression fabric with antimicrobial properties built.

## SPECTRE VEST



Protection Level	NIJ.06 Threat Level IIIA
Size	S - 4XL
Colors	Black
Configurations	REGULAR IIIA FLEXCORE IIIA ANTI-STAB IIIA + STAB1

### Features:

- Designed for maximum concealment while providing optimal protection coverage
- Made of soft yet durable polycotton fabric for air circulation •
- Ergonomically shaped for freedom of movement
- 4-point full adjustment through waist and shoulder straps

## HIGH-VIS



Protection Level	NIJ.06 Threat Level IIIA
Size	S - 4XL
Colors	Safety Yellow
Configurations	REGULAR IIIA FLEXCORE IIIA ANTI-STAB IIIA + STAB1

### Features:

- High visibility and easily identifiable in smoke/chaotic scenes with added ballistic protection.
- Holds maximum load-bearing equipment pouches without sagging.
- Accommodates 10 x 12 in. hard armor plates in pockets located in the front and back (under outer layer)
- 5 x 6 in. and 7 x 6 in. zippered pockets
- Spacer mesh lining provides comfortable ventilation and antimicrobial protection



# Plate Carriers

## LP GEN 4



Size	One Size Fits All
Colors	Black, Coyote Brown, Multi-Cam, Ranger Green, Navy Blue
Configurations	10 x 12 in.

### Features:

- Made of lightweight and durable 500D Cordura
- All materials used in the plate carrier are IRR (Infrared Reflective) treated
- Intentionally designed without MOLLE webbing to reduce bulk and maintain a sleek, low-profile appearance
- Designed to accommodate SAPI-style ballistic inserts in both the front and rear panels

## REACT



Size	XS, S, M, L, XL
Colors	Black, Green, Tan
Configurations	10 x 12 in, 11 x 14 in

### Features:

- Compatible with standard 10x12 in. SAPI sized armor plates
- Includes a dedicated magazine pouch
- Shoulder straps and cummerbund

## REACT ULTRA



Size	L (41-46 in) • XL (47-52) in.
Colors	Black
Configurations	10 x 12 in, 11 x 14 in

### Features:

- Accommodates up to larger 11x14 in. armor plates. This enhancement allows users to opt for larger plates without sacrificing the carrier's functionality or comfort.
- 4-Point adjustment system: shoulder straps and elastic cummerbund
- Includes a dedicated magazine pouch
- Multi-size cummerbunds available
- Compatible with the SKELETAC plate carrier's kangaroo pouch panels and inserts

## QUAD - RELEASE 2.0



Size	L (41-46 in) • XL (47-52) in.
Colors	Black, Green, Tan, Camouflage, Nightwatch
Configurations	10 x 12 in. Side Armor: 6x13in. soft armor panels

### Features:

- Includes dedicated side armor pockets, strategically incorporated to enhance your defensive capabilities: 6x13 in. soft armor panels
- Designed with a fast attach/fast detach mechanism, making it easy to put on and take off quickly
- Offers additional protection with the use of overlapping armor panels



## RECOIL



Size	One size fits all
Colors	Black, Coyote Brown, Multi-Cam, Ranger Green, Navy Blue
Configurations	10 x 12 in

### Features:

- Slim profile and minimalist design
- Made with robust and durable 500D nylon material
- It's range of sizes paired with its elastic cummerbund offers a customized fit that guarantees security without sacrificing comfort
- Compatible with standard 10x12 in. SAPI sized armor plates

## QUAD - ULTRA 2.0



Size	XS, S, M, L, XL
Colors	Black, Green, Tan
Configurations	10 x 12 in, 11 x 14 in.

### Features:

- Includes dedicated side armor pockets, strategically incorporated to enhance your defensive capabilities: 6x13 in. soft armor panels
- Designed with a fast attach/fast detach mechanism, making it easy to put on and take off quickly
- Offers additional protection with the use of overlapping armor panels

## FORMOZA



Size	L (41-46 in) • XL (47-52) in.
Colors	Black
Configurations	10 x 12 in, 11 x 14 in.

### Features:

- Compatible with standard 10x12 in. SAPI sized hard armor plates
- Adjustable straps allow the carrier to comfortably houses plates of different thicknesses, promising a snug fit and maximum comfort
- Detachable laser-cut front flap provides adaptability for pouches and accessories
- This design boasts overlap-coverage for shoulder and waist with hook-and-loop fasteners, maintaining a sturdy connection even in water-based scenarios.



# Plate Carriers

## NOBLE BASE



### Features:

- Made of light weight and durable 500D Cordura
- Swift Clip female buckles compatible with front flaps made by Husar, Mayflower, Spiritus Systems, and others.
- Compatible with front panels from Crye Precision and Ferro Concepts.
- Compatible with all cummerbunds in the catalog, or any other that are Velcro mounted
- Built-in admin panel with elastic webbing organizer located in the top area of the vest.
- Ability to install ROC, G-Hook and Cobra buckles on both or one of the shoulder straps.
- Zippers located on the back of the vest allow for Husar Noble Back Panel mounting, fully compatible with Crye Precision's System

Size	One size fits all
Colors	Black, Coyote Brown, Multi-Cam, Ranger Green, Navy Blue
Configurations	10 x 12 in.

## NOBLE BASE ACCESSORIES

CHARGE CUMMERBUND	QR CUMMERBUND	SHOULDER MOUNTS	CHARGE BACK PANEL	RIFLE FRONT FLAP	HYBRID FRONT FLAP
SIDE PLATE POUCHES	COMFORT PAD SET	PROFILE SHOULDER PADS	COMFORT PAD	LOW PROFILE PANEL	

## SKELETAC



### Features:

- Constructed from laser-cut and heat-shaped 2.4mm Kydex material. This robust composition guarantees durability and incredible strength, providing you with gear that stands the test of time.
- Integrated 2M ROC buckles boast a maritime ready design, ensuring functionality even in wet conditions. These buckles double as a semi-quick release system.
- Fast and easy adjustment mechanism accommodates plates up to 11x14 in.
- Low-profile design prioritizes agility without compromising on durability.

Size	L (41-46 in) • XL (47-52) in.
Colors	Black
Configurations	10 x 12 in, 11 x 14 in.

## SKELETAC ACCESSORIES

SINGLE PISTOL MAG	SIDE EXTENSION POUCH	KANGAROO POUCH	ACCESSORIES PANEL	PLATE BAGS	HYBRID WASTE PACK
TRIPLE AK INSERT	FRONT FLAP HARNESS	WRAP MAGAZINE POUCH	BACK PANEL	MAP PACK	VELCRO ADAPTER

# LEVEL III+ ARMOR PLATES



## Single - Curve

Weight: 4.9 lbs (2.22kg)  
Material: PE + Ceramic Composite  
Thickness: 0.90"  
Size: 10 x 12"  
Shape: Single - Curve



## Multi-Curve Plate

Weight: 4.9 lbs (2.22kg)  
Material: PE + Ceramic Composite  
Thickness: 0.90"  
Size: 10 x 12"  
Shape: Multi - Curve



## Multi-Curve Plate - v.2

Weight: 5.50lbs (2.49)  
Material: PE+ Ceramic  
Thickness: 0.85" Size: 10 x 12"  
Shape: Single - Curve



## Light-Weight Plate

Weight: 4.40lbs(1.99kg)  
Material: PE+CeramicComposite  
Thickness: 0.85"  
Size: 10 x 12"  
Shape: Single- Curve



## SideArmor Plate

Weight: 1.70 lbs (0.77 kg)  
Material: PE + Ceramic Composite  
Thickness: 0.85"  
Size: 6x 6" & 6 x 8"  
Shape: Single - Curve



## Special Threat 11 x 14

Weight: 6.1lbs(2.76 kg)  
Material: Ultralight PE + Ceramic  
Thickness: 0.85"  
Size: 11 x 14"  
Shape: Single - Curve



# LEVEL IV ARMOR PLATES



## StandAlone Plate

Weight: 6.1lbs (2.76kg)

Material: PE + Ceramic Composite

Thickness: 0.90"

Size: 10x 12"

Shape: Single - Curve



## Multi-Curve Plate

Weight: 6.1 lbs (2.76kg)

Material: PE + Ceramic Composite

Thickness: 0.90"

Size: 10 x 12"

Shape: Multi - Curve



## Light-Weight Plate

Weight: 6.0lbs (2.72kg)

Material: PE + Ceramic Composite

Thickness: 0.90"

Size: 10x 12"

Shape: Single - Curve



## ICW Plate

Weight: 5.6 lbs (2.5kg)

Material: PE + Ceramic Composite

Thickness: 0.85"

Size: 10 x 12"

Shape: Single - Curve



## Side Armor Plate

Weight: 2.40 lbs (1.08 kg)

Material: PE+ Ceramic Composite

Thickness: 0.90"

Size: 6x 6" & 6 x 8"

Shape: Single - Curve

# ASSORTED ARMOR PLATES



NIJ Certified Hard Armor  
Protection Level: III++

Weight: 4.5 lbs (2.04 kg)

Material: UHMW/ Ceramic

Thickness: 1.2"

Size: 10 x 12"

Shape: Swimmer's Cut

## Enhanced Rifle Plate - Protection Level: III



Weight: 3.50 lbs (1.58 kg)

Material: 100 % PE

Thickness: 1.0"

Size: 10 x 12"

Shape: Single - Curve

## 11 x 14 - Rifle Plate - Protection Level: III



Weight: 4.8 lbs (2.17 kg)

Material: UHMW Polyethylene

Thickness: 0.90"

Size: 11 x 14"

Shape: Single - Curve

## Swimmer's Cut Plate - Protection Level: III

Weight: 3.30 lbs (1.49 kg)

Material: UHMW Polyethylene



Thickness: 0.90" Size: 10  
x 12" Shape: Single - Curve

## 11 x 14 - Handgun Armor Plate Protection Level: IIIA

Weight: 1.10lbs(0.49kg) Material: UHMW Polyethylene

Thickness: 0.90" Size: 11  
x 14" Shape: Single - Curve





# THERMACORE™ BASE LAYER T-SHIRT

The Ultimate  
Next-To-Skin Advantage

## INTEGRATED COMFORT LAYER

The ThermaCore™ concept is not just a shirt — it is a critical interface layer that enhances the performance of any ballistic carrier. Whether integrated under soft armor, hard plates, or hybrid vests, its advanced thermal and moisture-regulating properties extend operational endurance and improve wearer wellbeing.

Outcome: More focus. Less fatigue. Zero compromise.

STAYS COOL.  
STAYS DRY.

Compared to Traditional Layers: • Conventional 100% PES shirts often retain >50g of moisture under stress, with users experiencing “very hot” discomfort by mid-activity. • The ThermaCore™ shirt retains significantly less moisture, delays discomfort to later stages, and enhances cool-down speed after exertion. • Clothing with ThermaCore Technology has been proven to decrease the rate of core temperature buildup, increasing athletic performance by up to 26%. ThermaCore Technology base layer t-shirts use microencapsulated wax to adapt to temperature changes, reducing heat peaks and sweat production by up to 24 per cent.



## MICROCLIMATE CONTROL

At the core of every ThermaCore™ base layer is a proprietary blend of performance fibers and active infrared particles that regulate your microclimate in real time. 37.5® Fiber Technology responds to body-generated infrared heat by accelerating the removal of moisture vapor — before sweat forms — helping you stay drier, cooler, and more focused. The result: faster cool-down, less sweat accumulation, and enhanced comfort in the most demanding conditions.



Revolutionizing Moisture, Odor, and Heat Management.

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# THERMACORE™ BASE LAYER T-SHIRT

TEMPERATURE CONTROL THAT PERFORMS



## MISSION DRIVEN INNOVATION

The constant rise in operational demands placed on tactical and law enforcement gear has accelerated the integration of advanced next-to-skin technologies into ballistic vests. Traditional under layers no longer meet the physiological needs of modern missions — where heat stress, odor buildup, and sweat saturation compromise both comfort and performance.

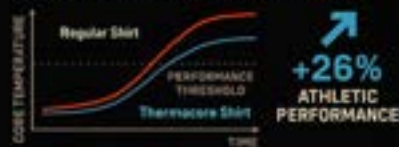
This has led to the emergence of the Thermacore™ T-shirt concept — a new class of integrated base layers designed to optimize body microclimate under armor.

### THERMACORE HEAT DISPERSION SYSTEM BASE LAYER T-SHIRT

Adapts to Heat. Reduces Sweat.



Stay Cooler. Perform Harder.



Engineered for Elite Performance.

Thermacore T-shirt removes moisture before it turns into sweat, helping you maintain an ideal core temperature so that you can perform your best so you can increase your efficiency and use less energy to do the same amount of work. Unlike wicking materials that simply distribute moisture, the temperature regulating fabrics and materials with Thermacore Technology actually remove it.



Menthol

37.5®  
Infrared Tech

Accelerates evaporative cooling and temperature regulation.

Ergonomic Fit  
+ Flatlock Seams

Ensures mobility, comfort, and zero chafing under body armor

Targeted  
Sweat-  
Evacuation  
Zones

Keeps critical thermal areas drier, reducing skin irritation.

## FRESH-2-SKIN® WITH MENTHOL

Thermacore's Fresh-2-Skin® technology delivers a breakthrough in base-layer cooling by microencapsulated menthol directly into the fabric. As body heat rises, the menthol is gradually released — producing an immediate and sustained cool-to-the-touch sensation that lowers skin temperature perception and enhances overall comfort. This isn't just about feeling fresh. The menthol infusion actively helps delay heat stress by improving the wearer's thermal sensation, allowing operators to stay focused, alert, and more comfortable during prolonged wear under armor. Whether in high-heat operational zones or intense training conditions, Fresh-2-Skin® gives personnel a physiological edge by creating a microclimate that supports core temperature regulation from the moment the shirt is worn. Unlike typical moisture-wicking shirts that only respond once sweat forms, Thermacore's menthol technology begins working immediately — preventing heat buildup before it starts, while maintaining freshness throughout the mission.

As core temperature rises, moisture vapor is pulled away from the skin before it turns into sweat, preserving energy and reducing performance drop-off under stress. This proactive cooling mechanism improves endurance, lowers perceived heat, and gives you the confidence to push harder for longer — whether you're under armor or on mission-critical operations.

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# S.R.P. Soft Rifle Panel

## NIJ.07 RF1 Flexible Rifle Armor



**Protection:**  
7.62X39 MSC  
7.62X51 M80  
5.56X45 M193



**Areal Density:**  
17.10 KG/SQM (+/- 0.10)  
3.5 LBS/SQF (+/- 0.10)



**Thickness:**  
21MM (+/- 1MM)



**Material:**  
Graphene Infused PE



**Size:**  
All Vests Sizes  
10X12"



**Warranty:**  
5 Years



MODEL	B-AP-RF1-GRAPH
Level Of Protection	NIJ-STD 0101.07 LEVEL RF1
Caliber Stopped	7.62X51 M80; 7.62X39 MSC; 5.56X45 M193 (On 0 Degree Obliquity)
Ballistic Material	Ultra High Molecular Weight Polyethylene Infused With Graphene
Weight	4.80 KG For Size Large Vest Panel
Buoyancy	Positive (Will Float In Water)
Multi-Hit Capability	6 Shots (+ More Due To Lack Of Ceramic) On Zero Degree Obliquity
Warranty	5 Years

<b>Key Features</b>	<b>Full Edge-to-Edge Coverage With No Ceramic</b>
---------------------	---

**Compatible With All USDS Armor Vests and Available in 10X12" Size**  
**Adaptable To Female Body Contour**

### Outstanding Features

- Ultra-Thin Profile: Only 21MM (+/- 1MM) Thick.
- Ballistic Material: UHMW Polyethylene Infused With Graphene For Unmatched Strength.
- Lightweight Design: 3.5 LBS/SQFT (17.10 KG/SQM) - Just 4.8 KG For A Size Large Vest Panel.
- Buoyancy: Positive - Will Float In Water.

### Performance Advantages Over Ceramics

- Truly Multi-Shot: Maintains Full Integrity After Multiple Hits - Unlike Ceramic Plates.
- Edge-To-Edge Coverage: Full Protection Across The Entire Panel.
- No Fragility Issues: Drop-Tested On Concrete With Zero Compromise.
- Adaptable Fit: Comfortability Conforms To The Female Chest Anatomy.

### Enhanced Environmental & Safety Resistance

- Increased Thermal Stability: No Performance Loss In High Heat.
- Fire Resistant: Excellent Flame Resistance.
- UV Stable: Blocks Harmful UV Radiation
- Anti-Stab Protection: Rated Up To Stab3 (NIJ0115.00 Standard)



# RAPID DEPLOY

**\*Bulletproof Backpack\***



## Description:

The Rapid Deploy Bulletproof Backpack is the perfect solution for professionals committed to being prepared. With the ability to transform from a backpack to a bulletproof vest, with customizable and removable panels to fit any body type, this pack has more options than ever before. Due to the body armor being in a backpack, it can weigh less than traditional body armor and be easier to wear for long periods of time. The defining feature of this backpack are its bulletproof panels (bought separately). These panels are strategically incorporated into the backpack's design, offering a level of ballistic protection that can potentially shield students from certain firearm threats. This feature is especially important in today's world, where unfortunate incidents of school shootings. When deployed, the backpack body armor is worn in a similar way to traditional body armor

## Protection Level:

NIJ.06 Threat Level IIIA



<b>Size</b>
<b>One Size Adjustable</b>
<b>Colors</b>
<b>Black, Tan</b>
<b>Front Panel</b>
<b>10 x 12"</b>
<b>Back Panel</b>
<b>11 x 14"</b>

**USDSWEAPONS.US**



# SPECIAL MISSION GEN 2

BALLISTIC HELMET WITH D30 LINER

## FEATURES:

Made in direct collaboration with Delta Three Oscar:

Special Mission Gen 2:

Additionally, it provides exceptional fragment resistance:

Innovative Gen2 special mission:

- This helmet features the revolutionary Halo Ballistic Helmet Liner System and offers robust defense against handgun rounds, conforming to NIJ.06 Level IIIA and NIJ.07 HG2 standards.
- Offers over 25% weight reduction compared with standard ACH styles, so you're able stay in the field longer without feeling too weighed down or uncomfortable – ideal in chaotic and stressful environments.
- With a V-50 rating exceeding 2300ft/s according to STANAG2920. This optimal blend of comfort and safety is available at a price point that respects your budget, making it the premier choice for comprehensive protection.
- Lighter than other models which provide excellent protection against .44 Magnum rounds while being more cost effective.

## Protection Level:

NIJ.06 Threat Level IIIA



Size
L, XL
Colors
Black, Green, Tan, Multicam, Black Multicam



## D30 - Helmet Liner

### Impact Performance:

Delta Three Oscar Halo exceeds the AR/PD 10-02 requirements by 33%

### Greater Mobility:

Lightest helmet liner (80g) to exceed ACH blunt impact requirements (AR/PD 10-02) and is 25% lighter than Team Wendy Epic Air.

### Optimized Airflow:

Patent pending ventilation and moisture management via 12 integrated air channels



### Enhanced Comfort:

Purecomfort foam delivers plush, full coverage fit. Pads are finished with MILSPEC anti-microbial fabric.

### Compatibility:

Our patent pending self-conforming crown pad accommodates a variety of comms headset configurations. Securely fits all helmet cuts from full to high cut. Available in 3/4" and 1" thickness and sizes M/L and XL.

### Temperature Stability

All new D30 technology delivers unmatched thermodynamic impact consistency.

## HALO 3 BALLISTIC HELMET LINER:

- The helmet features a classic MICH (Modular Integrated Communications Helmet) profile, renowned for its versatility and ergonomic fit.
- The world's lightest, most comfortable, protective ballistic helmet liner. Delta Three Oscar Halo 3 outperforms the next best competitor across all conditions and shell sizes of the 10fps ACH standard.
- The lightest helmet liner (80g / 2.8oz) to exceed ACH blunt impact requirements (AR/PD 10-02).

## Delta Three Oscar HALO Ballistic Helmet Liner System:

- Halo Ballistic Helmet Liner exceeds the AR/PD 10-02 requirements by 33% and delivers D30-proven blunt impact performance consistency from 1st to 2nd impact
- It is made using all-new D30 technology delivering unmatched thermodynamic impact consistency. This means Halo™ Ballistic Helmet Liner maintains its high-performing properties in the harshest of environments.

### Optimized Airflow:

- It features a patent pending ventilation and moisture management via 12 integrated air channels.

### Cooler & Enhanced Comfort:

- Halo Ballistic Helmet Liner helps to regulate your body temperature to enhance focus.
- A pure comfort foam liner system providing a plush, full coverage fit. Halo 3 pads are finished with premium MILSPEC anti-microbial, anti-moisture fabric.



# SPECIAL MISSION BALLISTIC HELMET

## FEATURES:

- Ballistic Protection:
- Weight Reduction:
- High-Cut Profiles:
- Rail System:
- Fragments Protection:

- The helmet offers advanced ballistic protection, capable of withstanding various ballistic threats commonly encountered in combat situations. It boasts an NIJ.06 IIIA Level of protection, effectively defeating .357 SIG (FMJ FN) and .44 Magnum (SJHP) rounds.
- Special Mission High-cut helmet offers over 25% weight reduction compared with standard ACH styles, so you're able stay in the field longer without feeling too weighed down or uncomfortable – ideal if there's lots going around! This sleek, high quality product comes fully equipped.
- The helmet features a high cut profile design, optimized for a balance between protection and enhanced field of vision. This profile allows for better compatibility with communication devices and accessories.
- The helmet is equipped with durable Nylon plastic side rails, offering ample space to mount various accessories such as ear protection.
- The helmet not only provides ballistic protection but also offers fragments protection, demonstrated by meeting the STANAG2920 V50 standard at 2150 ft/sec.

## Protection Level:

NIJ.06 Threat Level IIIA



Size
L, XL
Colors
Black, Green, Tan, Multicam, Black Multicam



# MICH COMBAT

BALLISTIC HELMET

## FEATURES:

MICH Combat Ballistic Helmet:

Ballistic Protection:

Design:

Increased Coverage:

Fragments Protection:

- A high-performance helmet designed for military, law enforcement, and tactical use. Its Aramid construction makes it a perfect solution to protect law enforcement and military personnel in any situation.
- The helmet offers advanced ballistic protection, capable of withstanding various ballistic threats commonly encountered in combat situations. It boasts an NIJ.06 IIIA Level of protection, effectively defeating .357 SIG (FMJ FN) and .44 Magnum (SJHP) rounds.
- The helmet features a classic MICH (Modular Integrated Communications Helmet) design, known for its versatility, compatibility with accessories, ergonomic fit, and increased coverage for vital areas.
- The MICH Combat Helmet’s design includes extended coverage to safeguard the ears and back of the head, ensuring comprehensive protection while also preserving hearing.
- The helmet not only provides ballistic protection but also offers fragments protection, demonstrated by meeting the STANAG2920 V50 standard at 2150 ft/ sec.

## Protection Level:

NIJ.06 Threat Level IIIA



Size
L, XL
Colors
Black, Green, Tan, Multicam, Black Multicam

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# MICH HELMET

(BALLISTIC HELMET)

## FEATURES:

MICH Profile:

Ballistic Protection:

Adjustable Fit:

Stealthy Appearance:

Fragments Protection:

Increased Coverage:

- The helmet features a classic MICH (Modular Integrated Communications Helmet) profile, renowned for its versatility and ergonomic fit.
- Special Mission High-cut helmet offers over 25% weight reduction compared with standard ACH styles, so you're able to stay in the field longer without feeling too weighed down or uncomfortable – ideal if there's a lot going around! This sleek, high quality product comes fully equipped.
- The helmet features a high cut profile design, optimized for a balance between protection and enhanced field of vision. This profile allows for better compatibility with communication devices and accessories.
- The helmet is equipped with durable Nylon plastic side rails, offering ample space to mount various accessories such as ear protection.
- The helmet not only provides ballistic protection but also offers fragments protection, demonstrated by meeting the STANAG 2920 V50 standard at 2150 ft/sec.
- The MICH Combat Helmet's design includes extended coverage to safeguard the ears and back of the head, ensuring comprehensive protection while also preserving hearing.

## Protection Level:

NIJ.06 Threat Level IIIA



Size
L, XL
Colors
Black, Green, Tan, Multicam, Black Multicam



# BALLISTIC VISOR

## DESCRIPTION:

- This level IIIA ballistic visor provides superior protection for your face and eyes from handgun rounds and fragments.

## FEATURES:

The visor is adjustable in 4 ways:

- You can move it closer or further away from your face, and you can also move it up and down. This makes it easy to customize the fit to your face and helmet. The visor also comes with a 3-position locking system, so you can easily switch between different positions as needed.
- High protection against fragments (STANAG 2920 ed.2)
- 3-position locking system
- Works with any standard rail system

## Protection Level:

NIJ.06Threat LevelIIIA



<b>Size</b>
<b>One Size Adjustable</b>
<b>Material</b>
<b>Poly-Carbonate</b>
<b>Thickness</b>
<b>22 mm</b>



# HELMET COVER

## DESCRIPTION:

- Durable and functional Tactical helmet covers made from abrasion-resistant 500d nylon and flat polyester mesh, designed to preserve the painted surface of your ballistic helmet. Our helmet covers offer a full-spectrum platform that gives you easy access to your accessories, and integrated channels ensure low-profile, snag-free cable management.

## EQUIPPED WITH:

- Two side, one top, and two front Velcro panels for attaching markings, additional lighting, etc.
- Three rows of PALS with Velcro on the back for mounting additional accessory pockets.
- Also compatible with front panels from Crye Precision and Ferro Concepts.
- Two longitudinal, narrow loops sewn every 40mm.
- The cover also features an integrated NVG retention system made of shock cord, as well as dedicated locations for V-Lite markers on the back
- Compatible with Ace Link Special Mission High-Cut Helmets and Mich Combat Helmets



Size
L, XL
Colors
Black, Green, Nightwatch, Camouflage, Tan
Made entirely of Nylon, the cover is designed for USDS helmets



# BALLISTIC VISOR

## DESCRIPTION:

- This level IIIA ballistic visor provides superior protection for your face and eyes from handgun rounds and fragments. With the weight of a mere 1.70 pounds, this sleek and stylish visor is made out of an unbreakable poly-carbonate material that provides protection against bullets and fragments.

## Protection Level:

NIJ.06 Threat Level IIIA

## FEATURES:

- Stops .22 LR Aguila 40 gr
- Protection against shrapnel acc. to STANAG 2920 – V50= 850ft/s
- It has been rigorously tested for military standards in accordance with STANAG 2920 stringent testing requirements, ensuring it can withstand high levels on impact without any damage to its structural integrity.
- It can be used by soldiers in combat, military personnel who need to worry about stray fire or shrapnel injuries while on the battlefield, police officers when they're out making arrests or even demonstrators protesting a rally.



<b>Size</b>
<b>One Size Adjustable</b>
<b>Material</b>
<b>Poly-Carbonate</b>
<b>Thickness</b>
<b>6 mm</b>

[USDSWEAPONS.US](http://USDSWEAPONS.US)



## 122MM Grad Rocket

NSN:1340270722342



### Description:

The 122 mm GradRocket is intended for use against enemy manpower in the open and infield shelters, against hostile artillery and for destruction of armored materiel in concentration areas.

It is designed to be launched from 122 mm multiple rocket launcher systems (T-122 Sakarya, BM21, etc.), but can also be used from any equivalent launcher with similar design and features.

The 122 mm Grad Rocket consists of rocket warhead, rocket engine and tail assembly parts.

Technical Specifications	
Fuze	MRV-U
Range	20,000m
Length (including fuze)	2.88m / 9.45 ft.
Weight	67.2 kg / 148.15 lbs
Explosive Filling	TNT



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# D20

**\*152mm Projectile w/Full Charge\***



## Description:

The D20 is a 152 mm HE projectile intended for use against enemy manpower in the open, in field shelters, against hostile artillery, and for destruction of armored materiel in concentration areas.

### Technical Specifications

Technical Specifications	
<b>Weight Length</b>	42 kg / 92.59 lbs
<b>(including fuze)</b>	695.12 mm - 709.71 mm / 2.28 ft - 2.33 ft
<b>Fuze</b>	PD
<b>Explosive Filling</b>	TNT
<b>Range</b>	17.410 m



# D30

**\*122mm Artillery Ammunition\***



## Description:

The D30 is a 122mm High Explosive Artillery Ammunition is designed to destroy the enemy's tactical assault vehicles, artillery and mortar batteries, personnel, as well as base areas, defense area facilities, and observation points using the D30 howitzer.

### Technical Specifications

Technical Specifications	
<b>Weight Length</b>	21.76 kg / 47.97 lbs
<b>(including fuze)</b>	760 mm/ 2.49 ft.
<b>Fuze</b>	PD
<b>Explosive Filling</b>	TNT
<b>Range</b>	15.400 m



# M107

\*155mm Artillery Ammunition\*



## Description:

NSN: 1320270722418

The M 107 is designed to attack fixed targets, areas with high infantry density, lightly armored targets and strategic targets. The M107 is also extremely suitable for protecting friendly units in the field.

### Technical Specifications

Technical Specifications	
<b>Weight Length</b>	43 kg / 44.80lbs
<b>(including fuze)</b>	602 mm/ 0.602 m
<b>Fuze</b>	PD
<b>Explosive Filling</b>	TNT
<b>Range</b>	4,600 - 18,100 m (With different howitzers)



# M-155

## Electronic Point Detonating Fuze for Artillery

### Percussion Fuze



### Brief Description:

- The M155 Fuze is an Electronic Point Detonating Fuze (also called as Percussion Fuze) used for artillery gun ammunition. This Fuze is available in 3 variables suitable for 3 types of gun calibers namely 105MM (Mode-3) , 130MM (Mode-2), and 155MM (Mode-1).
- The M155 Fuze is mainly used with High-Explosive (HE) projectiles. The fuze initiation takes place through electronic chain where an electric detonator gets its initiation from the electronic circuit. **\*Packing is for 105-155mm Fuze Types**



### Salient Features

<b>Modes: Fuze has two modes of operation:</b>	<ol style="list-style-type: none"> <li>1. Point Detonation Super Quick (PDSQ)</li> <li>2. Point Detonation delay (PDD): 0.04sec (min)</li> </ol>
<b>Fuze Safety Distance:</b>	100m from Muzzle End
<b>Shelf Life:</b>	Min 15 years under sheltered storage
<b>Safety:</b>	As per MIL-STD-1316E and STANAG 4187

**NSN# 1390-23-1147339**



# 40mm Ammunition

## LOW VELOCITY

### Cartridge 40x46 mm HE M6P

Type	Low velocity, High explosive
Weight of Cartridge	223 g
Filler type	RDX or equivalent
Fuze	Point initiating
Muzzle Velocity	76 <sup>+</sup> +3 m/s
Muzzle Safety Distance	12 m
Max. Range	400 m
Casualty	5 m min.
Primer type	Percussion



Cartridge HE M6P (high explosive) is designed to inflict personnel casualties in the target area with ground burst effect. It is fired from different types of 40 mm grenade launchers.

### Cartridge 40x46 mm HE DP M7

Type	Low velocity, High explosive Dual Purpose
Weight of Cartridge	240 g
Filler type	RDX or equivalent
Fuze	Point initiating Base Detonating (PIBD)
Muzzle Velocity	76 <sup>+</sup> +3 m/s
Arming Distance	9 m to 28 m
Max. Range	375 m to 400 m
Penetration	50 mm Armor Plate
Primer type	Percussion



Cartridge HEDP M7 (high explosive dual purpose) is designed to penetrate steel armor and inflict personnel casualties in the target area. It is fired from different types of 40 mm grenade launchers.

### Cartridge 40x46 mm TP M6P

Type	Low velocity
Weight of Cartridge	223 g
Weight of Projectile	175 g
Muzzle Velocity	76 <sup>+</sup> +3 m/s
Average max. Range	375 m to 400 m



Cartridge TP M6P is totally inert and is used to check grenade launcher functioning and for training. The ballistic characteristics are identical to the HE M6P. It is fired from different types of 40 mm grenade launchers.

### Cartridge 40x46 mm TPT M6P

Type	Low velocity
Weight of Cartridge	223 g
Weight of Projectile	175 g
Tracer burning time	~ 9 s, approx.
Muzzle Velocity	76 <sup>+</sup> +3 m/s
Average max. Range	375 m to 400 m



Cartridge TPT M6P (Target Practice Tracer) is similar to the TP M6P, but with the addition of a pyrotechnic tracer element in the base of the projectile so that the trajectory can be seen. It is fired from different types of 40 mm grenade launchers.

## HIGH VELOCITY

### Cartridge 40x53mm HE M9

Type	High Velocity
Weight of Cartridge	396 <sup>+</sup> +5g
Filler type	RDX or equivalent
Fuze	Point initiating
Muzzle Velocity	240 m/s
Muzzle Safety Distance	17 m
Max. Range	2200 m
Casualty	5 m min.
Primer type	Percussion



Cartridge 40x53 mm HE M9 (high explosive) is designed to inflict personnel casualties in the target area with ground burst effect. It is fired from different types of 40 mm machine guns.

### Cartridge 40x53mm TP M9

Type	High Velocity
Weight of Cartridge	372,5 g
Weight of Projectile	246 g
Muzzle Velocity	240 m/s
Average max. Range	2200 m



The TP M9 cartridge (Target Practice) is totally inert and is used to check gun functioning and to train gun crews. The ballistic characteristics are identical to the HE M9. It is fired from different types of 40 mm machine guns.

### Cartridge 40x53mm TPT M9

Type	High Velocity
Weight of Cartridge	372,5 g
Weight of Projectile	246 g
Tracer burning time	~ 9 s, approx. 1500 m
Muzzle Velocity	240 m/s
Average max. Range	2200 m



Cartridge TPT M9 (Target Practice Tracer) is similar to the TP M9, but with the addition of a pyrotechnic tracer element in the base of the projectile so that the trajectory can be seen. It is fired from different types of 40 mm machine guns.



# DESTRUCTIVE MORTAR MINES



## M-73

### 60MM DESTRUCTIVE MORTAR MINE

Intended to provide fire support on short ranges, for making passages through minefields and defence wirings. Reliable function within temperature range 30°C and +50°C. Mine is safe during transportation and handling.

TECHNICAL CHARACTERISTICS	
Length of shell with fuze	291 mm
Weight of shell with fuze	1350 g
CHARGE	
Type	TNT
Weight	220 G
Powder Charges	0 + 4
FUZE	
Type	UTM68 P1
Safety	8 m
BALLISTIC CHARACTERISTICS	
When using 60 mm M57, with barrel length 720 mm	
Maximum range (0+4)	2550 m
Minimum range (0)	94 m
Maximum pressure operating in mortar	414 bar
Lethal effect radius (1 penetration/m2)	10 m
PACKAGING	
Wooden crate contains 12 plastic boxes, each containing one complete mine.	
Crate dimensions	50x40x20 cm
Total weight Total	29 kg
Volume	0,042 m3



## M-72/M-74

### 81/82MM DESTRUCTIVE MORTAR MINE

Intended to provide fire support on short ranges, for making passages through minefields and defence wirings and demolishing fortifications. Reliable function within temperature range -30°C and +50°C. Mine is safe during transportation and handling.

TECHNICAL CHARACTERISTICS	
Length of shell with fuze	375 mm
Weight of shell with fuze	3050 g
CHARGE	
Type	TNT
Weight	680 g
Powder Charges	0 + 6
FUZE	
Type	UTM68 P1
Safety	8 m
BALLISTIC CHARACTERISTICS	
When using 81/82 mm M69 B-D, with barrel length 1450 mm	
Maximum range (0+6)	5070 m
Minimum range (0)	91 m
Maximum pressure operating in mortar	647 bar
Lethal effect radius (1 penetration/m2)	14 m
PACKAGING	
Wooden crate contains 5 plastic boxes, each containing one complete mine.	
Crate dimensions	54x44x16 cm
Total weight Total	29 kg
Volume	0,038 m3



# DESTRUCTIVE MORTAR MINES

Continued



## M-92/M62P3 120MM DESTRUCTIVE MORTAR MINE

Intended to provide fire support on short ranges, for making passages through minefields and defense wirings and demolishing fortifications. Reliable function within temperature range -30°C and +50°C. Mine is safe during transportation and handling.

TECHNICAL CHARACTERISTICS	
Length of shell with fuze	606 mm
Weight of shell with fuze	12,6 kg
CHARGE	
Type	RDX or TNT
Weight	2,45 kg
Powder Charges	0 + 6
FUZE	
Type	UTU M78
Safety	50 m
BALLISTIC CHARACTERISTICS	
When using 120 mm M75, with barrel length 1500 mm	
Maximum range (0+6)	6500 m
Minimum range (0)	255 m
Maximum pressure operating in mortar	961 bar
Lethal effect radius (1 penetration/m <sup>2</sup> )	20 m
PACKAGING	
Wooden crate contains 2 plastic boxes, each containing one complete mine.	
Crate dimensions	71x35x18 cm
Total weight Total	38 kg



## M-95 120MM DESTRUCTIVE LONG RANGE MORTAR

Intended to provide fire support on short ranges, for making passages through minefields and defence wirings and demolishing fortifications. Reliable function within temperature range -30°C and +50°C. Mine is safe during transportation and handling.

TECHNICAL CHARACTERISTICS	
Length of shell with fuze	775 mm
Weight of shell with fuze	14,70 kg
CHARGE	
Type	TNT
Weight	680 g
Powder Charges	0 + 6
FUZE	
Type	UTU M78
BALLISTIC CHARACTERISTICS	
Using 120 mm M95, with barrel length 1900 mm.	
Maximum range (0+6)	9200 m
Maximum average pressure	1250 bar
PACKAGING	
Wooden crate contains two mortar bombs, each in hermetically sealed carton tube.	
Crate dimensions	885x315x190 mm
Total weight Total	43 kg
Volume	0,053 m <sup>3</sup>





# 120 MM SMOOTH BARREL MORTAR

HIGH ACCURACY AND DURABILITY, HIGH LOGISTICS SUPPORTABILITY

## TECHNICAL SPECIFICATION

FIRING MOD	AUTHOMATIC SINGLE MOD
FIRING SPEED	12 Ammo/Min/Maximum 5 Rounds/Min/Constant
MAXIMUM OPERATING PRESSURE	1.130Bar
MAXIMUM RANGE	7.100 m**
BARREL SERVICE LIFE	4.500 Rounds***
TRAVERSING	160 m
ELEVATING (BASE PLATE IN GROUND)	610-1500 m
ELEVATING (BASE PLATE ON GROUND)	800-1200 m
BARREL ASSEMBLY OUTER PLATING	Manganese Phosphate
BIPOD ASSEMBLY PLATING	Manganese Phosphate
BASE PLATE PLATING	Painted
SIGHTING UNIT	Manuel Sighting

\*Related to ambient temperature and increment charges

\*\*With PRAC-120 HE Ammunitions

\*\*\* Related to increment charges



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# 120 MM SMOOTH BARREL MORTAR



## Dimensions

OVERALL LENGTH	1.780 mm
BARREL LENGTH	1.550 mm
HEIGHT	1.400 mm
GROOVE AND SET	NONE
BARREL INNER DIAMETER	120 mm
BARREL OUTER DIAMETER	150 mm

**Smooth Barrel Tube;** Resistance to high pressure, Manganese phosphate coating against corrosion  
Produced by Drilling Method

**Elevating Knob;** Let the barrel assembly to fair move up and down

**Buffer Mechanism;** Eliminates recoil force

**Bipod Legs;** Keep mortar ready to fire position

**Chain Assembly;** Keep legs firmly in position

**Cross Leveling Mechanism;** Adjusting ground imbalances





# 120 MM SMOOTH BARREL MORTAR

## Weight

Barrel Tube	68 kg
Bipod Assembly	34 kg
Base Plate Assembly	48 kg
Total Weight	150 kg

**Elevating Shaft;** Let barrel tube to move up/down

**Barrel Clamp Assembly;** Keep barrel firmly ready to fire position

**Elevating Mechanism;** Let barrel tube move up/down

**Breech Cap;** Houses the firing pin

**Breech Cap House;** Houses the Breech Cap

**Base Plate;** Transfer the recoil pressure to the ground



# 120 MM RIFLED BARREL TOWED MORTAR



Easy transition thanks to its wheels, High operational and tactical flexibility  
High accuracy and durability, High logistics supportability

## TECHNICAL SPECIFICATION

FIRING MOD	AUTHOMATIC SINGLE MOD
FIRING SPEED	12 Rounds/Min/Maximum 5 Rounds/Min/Constant
MAXIMUM OPERATING PRESSURE	1.200 Bar
MAXIMUM RANGE	8200 m**
BARREL SERVICE LIFE	4.500 Rounds***
TRAVERSING	160 m
ELEVATING (BASE PLATE IN GROUND)	610-1500 m
ELEVATING (BASE PLATE ON GROUND)	800-1200 m
BARREL OUTER PLATING	Manganese Phosphate
HOUSING ASSEMBLY PLATING	Manganese Phosphate
CARRIAGE ASSEMBLY PLATING	Painted
BASE PLATE PLATING	Painted
SIGHTING UNIT	Manuel Sighting

\*Related to ambient temperature and increment charges

\*\*With MKE MOD209 HE Ammunitions

\*\*\* Related to increment charges



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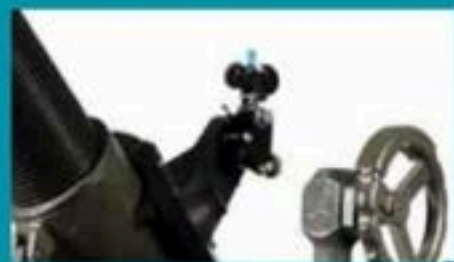


# 120 MM RIFLED BARREL TOWED MORTAR

## Dimensions

Total Length	3,000 mm
Barrel Length	1,900 mm
Height	1,500 mm
Groove and Set	40 120
Barrel Inner Diameter	mm 160
Barrel Outer Diameter	mm

**Rifled Barrel Tube;** Resistance to high pressure,  
Manganese phosphate coating against corrosion  
Produced by Machining Method 40 Lands and grooves



**Sighting Unit;** Allows to aim and calculate in order to accurate firing

**Elevating Knob;** Let the barrel assembly to fair move up and down



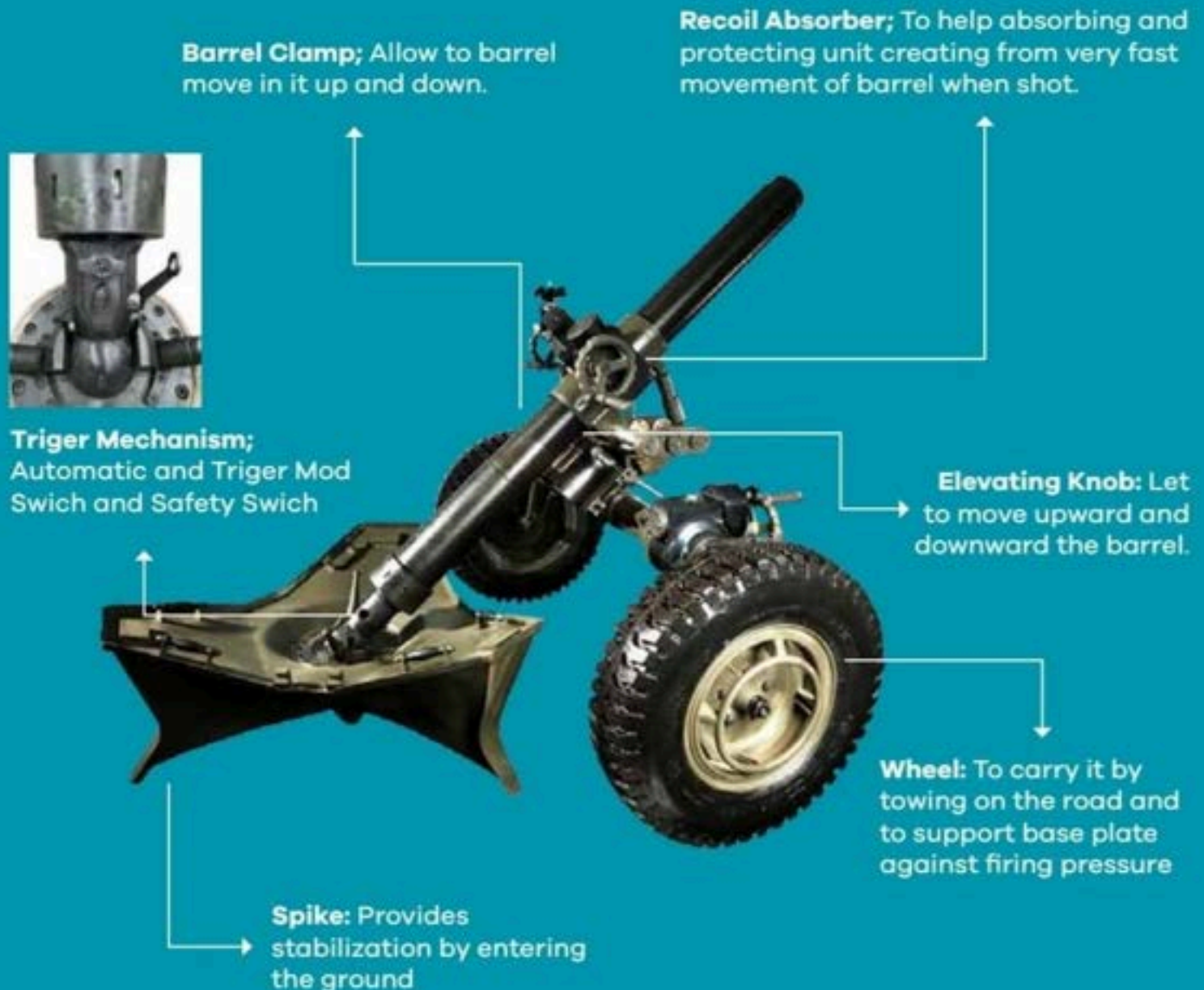
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# 120 MM RIFLED BARREL TOWED MORTAR



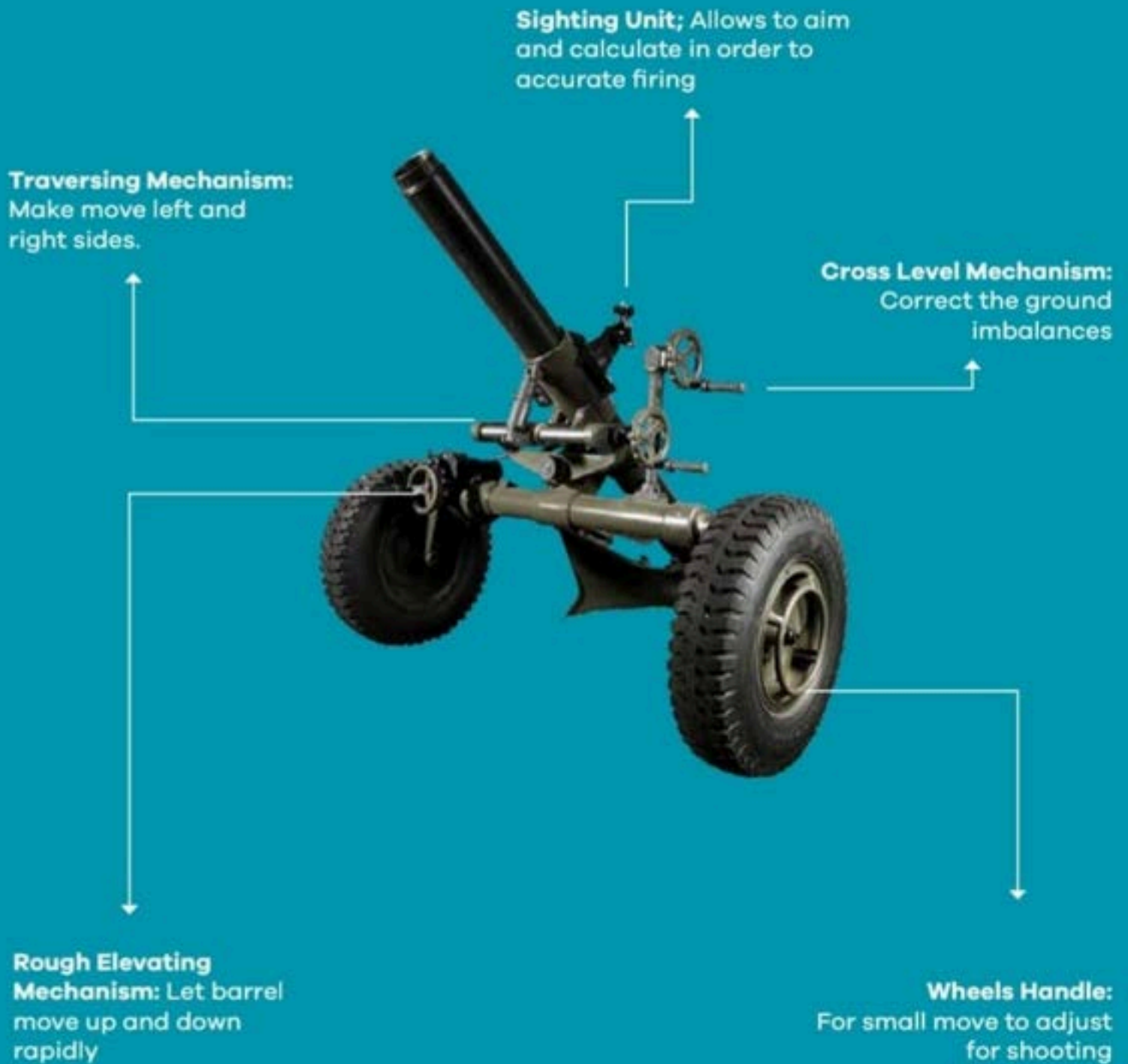
## Weight

Barrel Tube	165 kg
Carrying Assembly	296 kg
Base Plate Assembly	166 kg
Total Weight	645 kg





# 120 MM RIFLED BARREL TOWED MORTAR



# 66 mm LIGHT ANTI-TANK WEAPON SYSTEM



## Specifications:

Technical Specifications	
<b>Operation</b>	Single shot disposable launcher
<b>Diameter</b>	66 mm
<b>Overall Length</b>	650 mm (closed) - 878 mm (open)
<b>Weight</b>	2,4 kg
<b>Propellant Type</b>	M7
<b>Warhead Type</b>	Anti-Tank
<b>Effective Range</b>	200m
<b>Flight Time (200m)</b>	1.6 sec
<b>Fuse</b>	M42A1
<b>Penetration</b>	300mm



# REDEYE MAN PORTABLE MISSILE



## Specifications:

### Technical Specifications

<b>Type</b>	MANPAD Surface to Air Missile
<b>Weight</b>	8.3 kg
<b>Length</b>	1.2 m
<b>Diameter</b>	70 mm
<b>Warhead Weight</b>	1.06 kg
<b>Effective Firing Range</b>	4500 m
<b>Guidance System</b>	Infrared





# Drones



### 7 inch FPV KATANA

Suitable for autonomous and manual use. Used for kamikaze purposes. The 25-piece set, including a remote control and goggles, has a 1 kg carrying capacity, a 14-minute flight time with a payload, a 32-minute flight time without a payload, and a range of 5-10 km. Explosives not included.

**1 KG**  
Maximum Payload

Control Distance up to 10Km

7"(inch) Propeller Size



14 min. Flight Time with Payload

32 min. Flight Time without Payload

160 km/h Maximum Speed

### 10 inch FPV KATANA

Suitable for autonomous and manual use. Used for kamikaze purposes. The 25-piece set, including a remote control and goggles, has a 2 kg carrying capacity, a flight time of 15 minutes with a payload and 34 minutes without a payload, and a range of 5-10 km. Explosives not included.

**2 KG**  
Maximum Payload

Control Distance up to 10Km

10"(inch) Propeller Size



15 min. Flight Time with Payload

34 min. Flight Time without Payload

150 km/h Maximum Speed

### 13 inch FPV KATANA

Suitable for autonomous and manual use. Used for kamikaze purposes. The 25-piece set, including a remote control and goggles, has a 3 kg carrying capacity, a flight time of 18 minutes with a payload and 42 minutes without a payload, and a range of 5-10 km. Explosives not included.

**3 KG**  
Maximum Payload

Control Distance up to 10Km

13"(inch) Propeller Size

18 min. Flight Time with Payload

42 min. Flight Time without Payload

140 km/h Maximum Speed

### KAŞIF 6X

It's a drone designed for reconnaissance and surveillance. It can carry a payload of up to 5 kg and perform both manual and autonomous missions. This drone comes standard with a 3-axis gimbal camera. It has a control range of 40 km and can operate for over an hour with a weight of 1 kg. It features an obstacle recognition sensor on the front. It also has a vision sensor on the bottom and a separate sensor capable of measuring altitudes and heights of up to 200 meters.




**5 KG**  
Maximum Payload

Control Distance up to 40km

60 min. Flight Time with 3KG Payload

Obstacle Avoidance Radar

3-axis Gimbal Camera

Autonomous Flight

Anti-Jamming System

30x Optical Zoom Camera

Laser Range Finder (LRF)

### KAŞIF 4X

It's a drone designed for reconnaissance and surveillance. It can carry a payload of up to 5 kg and perform both manual and autonomous missions. This drone comes standard with a 3-axis gimbal camera. It has a control range of 40 km and can operate for over an hour with a weight of 1 kg. It features an obstacle recognition sensor on the front. It also has a vision sensor on the bottom and a separate sensor capable of measuring altitudes and heights of up to 200 meters.




**1 KG**  
Maximum Payload

Control Distance up to 20Km

30 min. Flight Time with 500g Payload

Obstacle Avoidance Radar

Precise Positioning with Network RTK

3-axis Gimbal Camera

Autonomous Flight

Li-Ion Battery

### M-556

It is a drone equipped with a 5.56 machine gun and a mechanism that can move up and down. It has a 20 kg lift capacity, a 30-40 minute flight time, and a range of 20-30 km.



**20 KG**  
Maximum Payload

Control Distance up to 30Km

30 min. Flight Time with 1 Battery

3-axis Gimbal Camera

Autonomous Flight

Anti-Jamming GNSS System

ED: 30x zoom FHD (full HD) fixed focus daytime 1080p

IR (Thermal): 19mm 640x512

Laser Rangefinder 1800 mm

3 axis Stabilizer

1/16 x 40 mm Machine Gun

Feed Belt Fed

Caliber 5.56 x 45 mm

Max Length 900 mm

Rate of Fire (min) 750-850 Shots

Muzzle Velocity 900~1200 m/min

Total Weight 8 kg

Barrel Length 16 inch

Barrel Service Life 15,000 Rounds

Weapon Service Life 50,000 Rounds



# Drones Continued

## PAT-RON

40 mm six-round grenade launcher weapon system. It is a product with a 20 kg lift capacity, 30-40 minutes flight time and 20-30 km range.



Anti-Jamming GNSS System



30 min Flight Time with 1 Battery



3-axis Gimbal Camera



Control Distance up to 30Km

EO+EO+IR Laser Rangefinder



6-Round Automatic Grenade Launcher



<b>EO:</b> 30x zoom FHD (full HD) fixed focus daytime 1080p	<b>Firing Mode</b> Automatic Single Mod	<b>Total Weight</b> 6.800 g
<b>IR (Thermal):</b> 19mm 640x512	<b>Barrel Plating</b> Black Oxide	<b>Firing Speed</b> 6 ammo/6 sec
<b>Laser Rangefinder</b> 1800 mm	<b>Max. Range Lv Rounds</b> 400 m	<b>Capacity</b> 6 rounds
<b>3 axis Stabilizer</b>	<b>Max. Range Mv Rounds</b> 800 m	<b>Sighting Unit</b> Optical Red Dot Sight

## KARGRON - 40

KARGRON is an innovative cargo drone that increases the power of your logistics support operations, equipped with a 40 kg payload capacity and advanced navigation systems that can adapt to challenging mission conditions.



**40 KG**

Maximum Payload



Obstacle Avoidance Radar



Autonomous Flight



Control Distance up to 25Km



Precise Positioning with Network RTK



30 min Flight Time with 1 Battery

\*When operating at sea level and in suitable weather conditions with a load of 20 wt.

<b>Curb Weight</b> 28 Wt	<b>Full Weight</b> 68 Wt
<b>Task Speed</b> 1-20 m/s	<b>Flight Time</b> 12 Min (with 30 Wt payload) 27 Min (without payload)
<b>GNSS Performance</b> Anti Jamming System	<b>Battery</b> Li-Po 18S 30000 mAh smart battery system

## DROKET



Thanks to this project, which we designed for the first time in the world, it is a system that can track the target with image processing method and explode at the desired distance to the target. This system can be used both autonomously and manually.

**Back Side**



**Middle**



**Front Part**



## DRIDER - 8

Drider - 8 is a revolutionary unmanned aerial vehicle equipped with a choice of two or single axis launchers and eight precision-guided DROKET technology, maximizing its operational flexibility and mission capability.



**25 KG**

Maximum Payload



Obstacle Avoidance Radar



2-axis Gimbal System



Autonomous Flight



Control Distance up to 25Km



Precise Positioning with Network RTK



10 min Fast Charging Time



15 min Flight Time with 1 Battery

\*When operating with a 10 kg load, in suitable weather conditions and at sea level.

<b>Curb Weight</b> 25 Wt	<b>Full Weight</b> 50 Wt
<b>Task Speed</b> 1-20 m/s	<b>Flight Time</b> 9 Min (with 20 Wt payload) 19 Min (without payload)
<b>Number of Portable Ammo</b> 1-8 Pieces	<b>Battery</b> Li-Po 14S 30000 mAh smart battery system

## DROKET Launcher



DROKET is a revolutionary unmanned aerial vehicle equipped with precision-guided smart munition technology, maximizing operational flexibility and mission capability.

**Technical Details**

**Weight**  
1,5 Wt

**Task Speed**  
1,5 Wt

**Battery**  
Li-On 2S 6000 mAh

**Guidance**

Target tracking with image processing

**Sensor**

Distance Measuring Sensor

**Mission Capability**

Autonomous and Manual use





## AEROGARD VTOL / Fixed Wings UAV Models for Discovery and Surveillance

V2400-E VTOL "BOZKUŞ-2" (Electric Motor)



V4000-E VTOL "ORHUN" (Electric Motor)



AEROGARD V3800 -H VTOL "AYBARS-1" (Hybrid, Electric + Liquid Fuel Engine, Payload 15 Kg)



AEROGARD V3900 -H VTOL "AYBARS-2" (Hybrid, Electric + Liquid Fuel Engine, Payload 5 Kg)



## Assult UAV Models

BORAN1-M



BORAN2-M



BORAN2-R (ROCKET LAUNCHER)



BORAN-T DRONE



BORAN2-SMG



H-3800 AYBARS VTOL Mini Kamikaze Drone Carrier UAV





# M113-A2



## Specifications:

### Standard Inclusions

- ZIP/BII Kit: Complete 52-item tool and equipment package
- Digital Manuals: Technical manuals for all vehicle variants
- New Components: Batteries, fluids, filters, rubber hoses (Texas vehicles will be zero reconditioned with 1 year warranty)
- Performance Testing: 25km test drives, speed/turning radius verification on all vehicles
  - See Block B Commercial Offer for info rebuild/conversion testing and warranty
- Armor Rating: US Class 3+ and STANAG 3 protection
- No Weapons: Vehicles delivered without armaments (mount hardware included)

# M113-A3



## Specifications:

### Standard Inclusions

- ZIP/BII Kit: Complete 52-item tool and equipment package
- Digital Manuals: Technical manuals for all vehicle variants
- New Components: Batteries, fluids, filters, rubber hoses (Texas vehicles will be zero reconditioned with 1 year warranty)
- Performance Testing: 25km test drives, speed/turning radius verification on all vehicles
  - See Block B Commercial Offer for info rebuild/conversion testing and warranty
- Armor Rating: US Class 3+ and STANAG 3 protection
- No Weapons: Vehicles delivered without armaments (mount hardware included)



# FIM 92 STINGER MISSILE

## REFURBISHMENT AND REALLOCATION PROGRAM



### Specifications:

#### **PROGRAM OVERVIEW:**

THERE ARE APPROXIMATELY 37 COUNTRIES WHO HAVE RECEIVED STINGER MISSILE SYSTEMS IN THEIR VARYING MODELS. LACKING A LONG-TERM REFURBISHMENT PROGRAM FROM THE UNITED STATES OR THE THREE NATIONS LICENSED TO MANUFACTURE STINGERS, THE OVERWHELMING MAJORITY OF THESE SYSTEMS ARE BEYOND THEIR STORAGE LIFE. THIS PROGRAM AIMS TO PROVIDE A REALISTIC SOLUTION FOR THIS PROBLEM. ACHIEVED BY OFFERING A PROGRAM THAT WOULD ALLOW FOR SEEING THESE MISSILES RETURNED TO COMBAT READINESS STATUS. OR FOR ALLOWING A WAY FOR THE STOCKHOLDING NATION TO MONETIZE THEIR AGING SYSTEMS BY REALLOCATION TO THE PROGRAM FOR REDISTRIBUTION. THEREBY PROVIDING FRESH CAPITAL TO THE STOCKHOLDER THAT THEY MAY THEN USE FOR ACQUIRING NEW MORE ADVANCED SYSTEMS OR FOR OTHER GENERAL FUNDING PURPOSES.

# GOVERNMENT REFURBISHMENT AND REALLOCATION PROGRAM



## PROGRAM OUTLINE

- **ACQUIRE**
- **CONSOLIDATE**
- **RESTORE + UPGRADE**
- **VALIDATION + FINAL INSPECTION**
- **PROJECT MANAGEMENT + LEGAL COMPLIANCE**



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