



The VENOM® V3037 is a lightweight, high capacity 37MM non-lethal grenade launcher. The V3037 is fully interchangeable for mounted use on vehicles, tripod mounts, and static installations.

Deployed remotely or on land and marine platforms, the V3037 delivers non-lethal flash and sound, smoke obscuration, irritant, and blunt trauma effects. These capabilities support escalation of force, determination of intent, crowd dispersal and area denial objectives.

VARIABLE RANGE PAYLOAD OPTIONS:

MULTI-7 SMOKE

Seven Smoke Submunitions, Max Range to 160m at 30° Launch Elevation

SUPER LONG RANGE (SLR) SMOKE

Single Smoke Submunition, Max Range to 450m at 30° Launch Elevation

MULTI-4 FLASH-BANG

Four Aerial Flash-Bangs, Max Range to 100m at 30° Launch Elevation





PRODUCT SPECIFICATIONS

VENOM® Model 3037, Non-Lethal Tube Launch Munition System (NLTMS)

CAPABILITIES

- Hail and Warn
- Smoke Obscuration
- Crowd Dispersal/Area Denial
- Blunt Trauma Kinetic Energy
- Escalation of Force
- Determination of Intent

MOUNTING INTERFACES

- May be hard mounted to various platforms, including vehicles, shields, weapons stations and tripods.

FIRING PERFORMANCE

- Single Round, Automatic Firing

DIMENSIONS

Height: 21.4"

Width: 17.17"

Depth: 22.1"

Unloaded Weight: 42.5"

Loaded Weight: 76 lbs.

Internal Power: six 1.5 volt "AA" batteries

Auxiliary Power Option: 12-24 VDV (neg. ground)

Operating Temp: -25°F to +175°F

Shock Resistance: minimum of 10,000 shocks of 800g force & 100 shocks of 2000g force*
(*not to exceed 1mS.)

Humidity Range: 0 to 95%

INPUT CONNECTIONS

- Controlled through hand controller
- IP Addressable

FIRE CONTROL

- COTS Hand Controller – Semi or Full Automatic
- Customized Remote Interface

SYSTEM SAFETY

- Master Arm Switch
- Ready Trigger
- Single Pole Double Throw Fire button
- Shielded Input Cable
- Shielded Electronics Assembly

*Best practices shall be employed to reduce the Hazards of Electromagnetic Radiation and Electro-Static Discharge. Safe handling procedures consistent with those used for standard percussion primers should be followed.



*The VENOM® V3037 is designed to be rapidly integrated onto a variety of platforms including remote weapon stations.

		Area/Impact Type Rounds	Operational Range							Operational Usage		
			Effects		Elevation Angle (degrees)							
					5	10	15	20	25		30	
1	Multi 7 Smoke	7 Smoke pellets, each with burn time of approximately 30+/-10 seconds (ignite at muzzle)	Low muzzle velocity (very low Ballistic Coefficient) impact area dependent upon muzzle elevation		80-100m	105-125m	130-150m	135-155m	140-160m	•Delivery of high payload (seven projectiles) of irritant (CS) or obscuration smoke over a wide area from the given distance •Delivery of smoke as a deterrent or determination of intent or warning capability to unknown approaching vehicles or persons		
2	Super Long Range Smoke	Single spin stabilized smoke projectile with burn time of 20+/-5 seconds (begin emission 3 seconds from muzzle)	Medium muzzle velocity-impact area dependent upon muzzle elevation	150m	250m	320m	380m	425m	450m	•Delivery of single projectile of irritant (CS) or obscuration smoke over a wide area from the given distance •Delivery of smoke as a deterrent or determination of intent or warning capability to unknown approaching vehicles or persons		
		Aerial burst/Time Type Delay Rounds	Effects		Operational Range						Operational Usage	
						Elevation Angle (degrees)						
						5	10	15	20	25		30
3	M4094 Multi 4 Flash Bang	4 flash bang submunitions, each with greater than 1 million candela and 165 dB overpressure	Low muzzle velocity-4 flash bang submunitions (time delays from 1 to 4 seconds) with very low Ballistic Coefficient. Muzzle elevation affects burst height to greater extent than range.		40-85m	40-90m	45-95m	45-100m	45-100m	•Delivery of four flashbang submunitions in a vertical pattern perpendicular to the ground with the highest/uppermost munition deflagrating first and the lowest munition deflagrating last •Use in crowd control, vehicle, vessel and check point escalation of force scenarios as the pre-lethal option		

