COUNTER-DRONE & ROBOTICS · HANDHELD KINETIC NET LAUNCHER · NON-CONTACT RESTRAINT

D-CATCHER

L1 Layer · Airspace

A handheld launcher that wraps the target in a 360° net from 5–10 m. Stop the threat from a safe distance, without contact.



KEY BENEFITS

01 **Non-contact restraint**
Stop a subject, an intruder or a drone from 5–10 m, without touching them.

02 **One net or two**
Single-Shot for one decisive net; Dual-Shot for two nets within 2 seconds.

03 **Built for the field**
Recoil-free, low-noise and rechargeable: 50+ launches per charge, up to 4 years or 1,000 launches.

HOW IT WORKS

01 **Aim**
Point and engage targets at an effective range of 5–10 m.

02 **Launch**
Power-driven ejection. Recoil-free and low-noise.

03 **Entangle**
A 360° net wraps the target and limits movement.

04 **Control**
Secure, handle and recover. Training nets are reusable.

SPECIFICATIONS

Versions	Single-Shot · Dual-Shot
Launch	Single-Shot: one net · Dual-Shot: two nets in succession within 2 seconds
Net initial velocity	Single-Shot: 22 m/s · Dual-Shot: 32 m/s
Effective range	5–10 m
Net area	Single-Shot: 2.4 × 2.4 m · Dual-Shot: 2.2 × 2.2 m (±5%)
Mesh grid size	Single-Shot: 15 × 15 cm · Dual-Shot: 15.5 × 15.5 cm (±5%)
Net material	Ultra-high molecular weight polyethylene (UHMWPE)
Net tensile strength	120 N
Traction heads	4 pcs, silicone-encased metal tip
Product dimensions	Single-Shot: 365 × 118 × 118 mm · Dual-Shot: 460 × 55 × 130 mm
Weight	Single-Shot: 1.25 kg · Dual-Shot: 1.6 kg
Main unit material	High-quality ABS plastic
Launches per charge	50+ launches per full charge
Battery	12.6 V, 2500 mAh

Charging	Single-Shot: 4 h, 100–240 V AC · Dual-Shot: USB Type-C, 5 V DC, 2 A
Operating temperature	Single-Shot: –20 to 60 °C · Dual-Shot: –10 to 60 °C
Design life	Up to 4 years or 1,000 effective launches
Note	Use of net launchers is subject to local laws and regulations. Specifications are based on manufacturer data and may change without prior notice. Images are for illustration purposes.

TENDER SPECIFICATION TEXT

1. GENERAL

The system shall be D-CATCHER by D-FENCE Electronic Fencing and Security Systems Ltd. (ISO 9001:2015 certified quality management), or an approved equivalent that meets every requirement in this section.

2. FUNCTION

A handheld launcher that wraps the target in a 360° net from 5–10 m. Stop the threat from a safe distance, without contact.

3. THE SYSTEM SHALL PROVIDE

- **Non-contact restraint:** Effective range of 5–10 m.
- **360° entangling net:** Wraps the target and limits its movement.
- **Single-Shot:** One net at 22 m/s; net 2.4 × 2.4 m; 1.25 kg.
- **Dual-Shot:** Two nets within 2 seconds at 32 m/s; net 2.2 × 2.2 m; 1.6 kg.
- **Recoil-free and low-noise:** Power-driven launch.
- **Rechargeable:** 50+ launches per full charge; Dual-Shot charges over USB Type-C.
- **Long design life:** Up to 4 years or 1,000 effective launches; training nets are reusable.
- **Rear loading (Dual-Shot):** Simple net replacement, ready to expand to any multi-launch configuration.

4. TECHNICAL REQUIREMENTS

- **Versions:** Single-Shot · Dual-Shot
- **Launch:** Single-Shot: one net · Dual-Shot: two nets in succession within 2 seconds
- **Net initial velocity:** Single-Shot: 22 m/s · Dual-Shot: 32 m/s
- **Effective range:** 5–10 m
- **Net area:** Single-Shot: 2.4 × 2.4 m · Dual-Shot: 2.2 × 2.2 m (±5%)
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5. DETECTION SEQUENCE

1. **Aim:** Point and engage targets at an effective range of 5–10 m.
2. **Launch:** Power-driven ejection. Recoil-free and low-noise.
3. **Entangle:** A 360° net wraps the target and limits movement.
4. **Control:** Secure, handle and recover. Training nets are reusable.

6. SUBMITTALS

Before installation, the contractor shall submit the manufacturer's datasheet, the installation instructions and the zone layout for approval.