



ARTILLERIE INRICHTINGEN
ARMAMENTS BV

SENTINEL LAND WEAPON SYSTEMS
WEAPON SYSTEMS

SENTINEL CUAS-40

40 MM HARD-KILL
COUNTER-UAS SYSTEM

Deployable hard-kill counter-UAS system combining programmable 40 mm airburst effect, automatic target detection and stabilized day/night fire control.

40 MM AIRBURST

700 M RANGE

64 ROUNDS

EXTERNAL CUEING

Radar and command integration

HARD-KILL C-UAS

Mini and micro UAV threats



SENTINEL CUAS-40 | AIA-LWS-CUAS40-MK1

DEPLOYABLE COUNTER-UAS WEAPON SYSTEM

Artillerie Inrichtingen Armaments BV presents SENTINEL CUAS-40, a deployable 40 mm hard-kill counter-UAS system developed to protect critical infrastructure, high-value assets and tactical sites against mini and micro unmanned aircraft.

The tactical-olive trailer-mounted architecture combines programmable airburst effect, automatic detection and tracking, stabilized multispectral electro-optics, laser range finding and external radar cueing.

700 m

PUBLISHED ENGAGEMENT RANGE

64 rounds

AMMUNITION LOAD

< 2,500 kg

COMPLETE SYSTEM WEIGHT

● Artillerie Inrichtingen Armaments BV - Licensed manufacturing programme in the Netherlands



OPERATIONAL CAPABILITY & SYSTEM DATA

SENTINEL CUAS-40 | DEPLOYABLE 40 MM HARD-KILL COUNTER-UAS SYSTEM

SYSTEM CAPABILITIES

- Remote-controlled deployable hard-kill architecture
- Automatic detection and autonomous tracking of air and ground threats
- Programmable 40 mm high-velocity airburst effect
- Published engagement range up to 700 m
- High-accuracy stabilization, including operation on the move
- TV, thermal imaging and laser range finding
- External radar cueing for real-time target handover
- All-weather day and night operational capability
- Dual-feed operator display and intuitive control interface
- Modular architecture with environmental and meteorological sensing

TECHNICAL DATA

SYSTEM ARCHITECTURE

stabilized 40 mm turret; programmable airburst interface; TV camera; thermal imager; laser range finder; mission computer; meteorological sensor

RANGE

Up to 700 m

LOAD

64 rounds

WEIGHT

< 2,500 kg

INTERFACE / COMPATIBILITY

220 VAC input, maximum 2 kW draw; external radar, sensor and command-and-control integration

PHYSICAL

Elevation: -10° to +60°; traverse: continuous n x 360°; dimensions: 2,450 x 3,720 x 2,675 mm

COUNTER-UAS PROFILE

Sensor-cued detection, tracking, fire-control solution and programmable 40 mm airburst engagement of mini and micro UAV threats.

REMOTE CONTROL

AUTO DETECTION

AUTO TRACKING

RADAR CUEING

40 MM AIRBURST

DAY / NIGHT EO

ON-MOVE STAB.

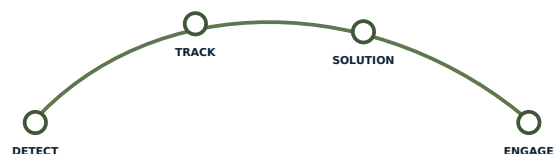
64-ROUND LOAD

SYSTEM ARCHITECTURE & INTEGRATION

SENTINEL CUAS-40 integrates a stabilized 40 mm weapon station, programmable airburst interface, precision-stabilized multispectral sensor gimbal, laser range finder, onboard mission computer, environmental sensing and operator console on a deployable tactical-olive trailer. External radar cueing supports real-time target handover for layered air-defence and site-protection missions. Deployment and integration remain subject to site layout, electrical, electromagnetic, communications, safety, firing-sector, airspace and ammunition qualification.



TACTICAL OLIVE TRAILER-MOUNTED CONFIGURATION



COUNTER-UAS ENGAGEMENT CHAIN

40 mm airburst configuration. Load: 64 rounds. Published engagement range: up to 700 m.

Export/end-user and airspace approvals apply. Specifications subject to change; tolerance $\pm 10\%$.