

OPTIO[®]-X20

KNDS





Mobility developed
and manufactured by



KNDS

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/ OPTIO[®]-X20 main characteristics

Mission

The "OPTIO[®]-X20" is the weaponized implementation of Nexter's new range of Multimissions Tactical Robotics Systems. Armed with the Arx[®]20 RCWS, this open-architecture tracked drone is specifically designed for perimeter observation, reconnaissance, and target engagement tasks. With the ARX[®]20, its 20mm automatic cannon and 7.62mm, both gyro-stabilized, OPTIO[®]-X20 is able to handle up to level 4 protected targets.

Based on Nexter's know-how in the field of armament and robotics, OPTIO[®]-X20 meets the operational requirements for surveillance, protection, security and combat missions, on open modern battlefields as well as in urban areas.

Dimensions

Length: 240cm

Width: 215cm

Height: 111cm

Weight: 1700kg (with RCWS)

Maximum payload weight (without RCWS): 750kg



Fire Power

ARX[®]20 RCWS

Main armament: 20M621 Cannon – 20X102 standard OTAN

Secondary Armament: MAG 58 machine gun (optional) – 7.62 x 51 standard OTAN

Firing rate

- Canon 20M621: 750 rds/min
- Mag 58: 800 rds/ min

Effective Range

- 20M621 cannon: 1600m
- Mag 58 machine gun: 800m

Onboard Ammunition

- 20M621 cannon: 100 rds
- Mag 58 machine gun: 300 rds

Elevation range: +60° - 5°

Traverse range: N X 360°

Aiming and Laying: Gyro-stabilized

Sight

- Dual field Color Camera Day
- IR Dual lens Night Uncooled
- Laser Range Finder

Mobility

Maximum speed: 22.5km/h

Maximum grade: 60%

Maximum side slope: 30%

Ground clearance: 40-60cm

Total Tractive Force: 1100kg

Run time hybrid: 8h to 10h

Run time electric: 0.5h to 1.5h

Power options: Battery Pack, Lead acid or LiOn

Power options: Diesel engine & electric generator