

## UGV



VA-UGV0026 Unmanned Vehicle

Machine size: 770mmx700mmx320mm

Motor type: Electric servo motor

Drive type: tracked

Reducer type: planetary deceleration

Empty weight: 65kg

Rated load: 50kg

Maximum acceleration: 5m/s

Maximum deceleration: 5m/s

Maximum ground speed: 10m/s

Maximum climbing angle:  $\geq 30^\circ$

Maximum ditch width: 400mm

Maximum side slope:  $20^\circ$

No-load operation time: 130 minutes

Maximum control distance: 2km (open and unobstructed, without electromagnetic interference)

Endurance mileage (km):  $\geq 10$  km

Satellite positioning module: GPS/GLONASS/BDS/Galileo

Positioning accuracy: Vertical:  $\pm 0.5$ m (when GPS positioning is working normally)

Level:  $\pm 0.1$ m (when GPS positioning is working normally)

Control method: Manual remote control/autonomous driving

Camera: High-definition 4K image quality / 10x zoom

Charging time: 4-6 hours

Operating temperature:  $-30^\circ\text{C}$  - $60^\circ\text{C}$

## UGV



VA-UGV0025

Chassis size: 1000mmx800mmx400mm

Chassis weight: 80KG (including electric control)

Maximum load capacity: 80KG

Maximum operating speed: 10km/h

Shock absorption structure: Independent suspension shock absorber

Crawler track: 180mm wide iron-core rubber track

Maximum climbing angle:  $35^\circ$

Maximum obstacle clearance height: 300mm

Maximum ditch width: 400mm

Battery life: 180 minutes

Range: About 25km with no load, about 10km with load

Protection level: IP65

## UGV



VA-UGV0024 Pathfinder 001 Six-wheel Drive Off-road Inspection Unmanned Vehicle

**Weight:** The Ackermann scale weighs 1000kg

**Driving speed:**  $\leq 40\text{km/h}$

**Suspension method:** independent suspension

**Climbing angle:**  $\geq 30^\circ$

**Positioning method:** BeiDou high-precision positioning

**Driving mode:** Autonomous driving, remote control, platform control



VA-UGV0023 Spherical Cloud Platform Reconnaissance Unmanned Vehicle

**Machine size:** 1000mm $\times$ 810mm $\times$ 410mm

**Obstacle clearance height:** 180mm

**Climbing angle:**  $30^\circ$

**Callback method:** HD video

**Support function:** Long-distance shouting, emergency rescue, day and night reconnaissance, can be customized according to the purpose

## UGV



VA-UGV0022 Reconnaissance Vehicle

**Machine size:** 1360mm $\times$ 960mm $\times$ 550mm

**Obstacle clearance height:** 150mm

**Climbing angle:**  $30^\circ$

**Width of trench:** 0.5m

**Positioning method:** BeiDou Navigation Satellite System (BDS) positioning

**Driving mode:** Autonomous driving, remote control, platform control

**Callback method:** HD video

**Support function:** Intelligent obstacle avoidance, laser projection, anti-shouting, day and night reconnaissance



VA-UGV0021 Reconnaissance Bomb Bisposal Firefighting Robot

**Control distance:** 10km

**Climbing angle:**  $\geq 30^\circ$

**Lifting capacity:** 5kg

**Driving mode:** Autonomous driving, remote control, platform control

**Callback method:** HD video

**Support function:** Autonomous obstacle avoidance, path planning, electronic fencing, information detection, and image and data transmission

## UGV



VA-UGV0020 Bomb Disposal Robot

Control distance: Wireless remote control  $\geq 2$ km, wired control  $\geq 100$ m

Maximum driving speed: 5km/h

Battery life: 4h/6h

Obstacle clearance height: 300mm

Climbing angle: 30°

Protection level: IP65

Support function: Robot arm freedom 6°



VA-UGV0019 Demolition Robot

Weight: 1200kg

Climbing angle: 30°

Noise level: 91 DB(A)

Mechanical arm structure: Three-arm structure

Rotation speed: 10 SEC/360°

## UGV



VA-UGV0018 Wheeled Unmanned Assault Vehicle

Control method: Autonomous control, remote control, autonomous following

Pitch angle:  $\pm 20^\circ$

Horizontal rotation angle: 0-360°

Callback method: HD image transmission

Aiming method: Digital sight, wireless remote control aiming

Support function: Environmental perception, high-precision operation



VA-UGV0017 Track-type Unmanned Assault Vehicle

Control method: Autonomous control, remote control, autonomous following

Pitch angle:  $\pm 20^\circ$

Horizontal rotation angle: 0-360°

Callback method: HD image transmission

Aiming method: Digital sight, wireless remote control aiming

Support function: Environmental perception, high-precision operation

## UGV



VA-UGV0016 Inspection Robot Dog

Weight: 57.3kg

Range: 12km

Standing dimensions: 850mm

Inspection walking speed: 1m/s

Battery life: 2-4h

Minimum passage width: 1m

Minimum clearance height: 1m

Protection level: IP66



VA-UGV0015 Firefighting Robot

Control distance: Open area 300m

Climbing angle: 83.9%

Obstacle clearance height: 290mm

Battery life: 4h

Speed: 4km/h

Adaptation temperature: - 20°C -60°C

Water cannon range: 50m

Traction: 5200N

## UGV



VA-UGV0014 Search And Rescue Robot

Climbing angle:  $\geq 45^\circ$

Climbing ability:  $\geq 32^\circ$

Obstacle clearance height: 280mm

Control method: Autonomous control, remote control

Callback method: High-definition audio and video feedback

Support function: Autonomous obstacle avoidance, autonomous navigation, sound and light alarm, one-button return to home without signal



VA-UGV0013 Firefighting Reconnaissance And Extinguishing Robot

Battery life: 2-4h

Climbing angle: 28%

Obstacle clearance height: 290mm

Remote control distance:  $\geq 1.5$ km

Gradability:  $\geq 28\%$

Suspension method: Trailing arm suspension

Support function: Ackermann steering

## UGV



VA-UGV0012 Amphibious Unmanned Vehicle

Weight: 800kg

Land speed:  $\leq 8\text{km/h}$

Wading speed:  $\leq 3\text{km/h}$

Climbing angle:  $\geq 30^\circ$

Battery life: 2h

Maximum Load Capacity: 300kg

Maximum Traction: 1T

Chassis structure: 6x6 all-wheel drive



VA-UGV0011 5-Ton Dual Hydraulic Steering Line-Controlled Chassis

Maximum Load Capacity:  $\geq 5\text{T}$

Maximum speed:  $\leq 10\text{km/h}$

Climbing angle:  $\geq 15^\circ$

Cruising range: 30km

Protection level: IP54

Control method: Remote control, platform control

## UGV



VA-UGV0010 Six-Wheel Drive Dual Steering Unmanned Transport Vehicle

Payload:  $\geq 500\text{kg}$

Battery life: 3h

Maximum speed:  $\leq 30\text{km/h}$

Tracking accuracy: 50cm

Control method: Remote control, autonomous driving, platform control, manual driving



VA-UGV009 All-Terrain Unmanned Vehicle For Transporting Injured Personnel And Supplies

Maximum driving speed: 40km/h

Maximum Traction: 4300N

Range: 120km

Minimum turning radius: 4.5m

Support function: Self-dumping function

## UGV



VA-UGV008 Red Falcon Oil-Powered Unmanned Target Vehicle

Control distance: 20km

Driving speed:  $\leq 80$ km

Range: 300km

Tracking accuracy: 2m

Wind resistance:  $\geq 14$ m/s

Control method: Autonomous navigation, platform control

Support function: Real-time feedback, multi-vehicle formation, and free mode switching



VA-UGV007 Hamas Unmanned Target Vehicle

Control distance: 20km

Payload:  $\geq 500$ kg

Battery life: 3h

Tracking accuracy: 50cm

Driving speed:  $\leq 30$ km/h

Control method: Remote control, autonomous driving, platform control, manual driving

Support function: Real-time feedback, multi-vehicle formation, and free mode switching

## UGV



VA-UGV006 Harman 60 Truck Unmanned Target Vehicle

Control distance: 20km

Driving Mode: Remote control, autonomous driving, platform control, manual driving

Radar: Millimeter wave radar

Navigation method: RTK navigation

Support function: Ultrasonic radar obstacle avoidance, real-time feedback, multi-vehicle formation, and free mode switching



VA-UGV005 M1126 Infantry Fighting Vehicle Unmanned Target Vehicle

Control distance: 20km

Driving Mode: Remote control, autonomous driving, platform control, manual driving

Radar: Millimeter wave radar

Navigation method: RTK navigation

Support function: Ultrasonic radar obstacle avoidance, real-time feedback, multi-vehicle formation, and free mode switching

## UGV



VA-UGV003 "Black Horse" Multi-legged Intelligent Unmanned Platform

Machine size: 1800mmx1400mmx800mm

Machine weight: 160kg

Payload capacity: 200kg

Maximum climbing angle:  $\geq 30^\circ$

Maximum obstacle height:  $\geq 300\text{mm}$

Maximum obstacle width:  $\geq 300\text{mm}$

Turning radius: 0mm (on flat ground)

Maximum speed (walking):  $\geq 12\text{km/h}$

Maximum speed (crawling):  $\geq 8\text{km/h}$

Control method: Image transmission, OCU terminal, target tracking

Autonomous navigation: Laser guidance + visual navigation

Interaction method: Voice, Gesture

Position accuracy:  $\pm 10\text{mm}$

Continuous operating time (under load): 8h

Maximum operating range (under load): 60km

Charging method: Automatic or manual

Protection rating: IP56

Operating temperature:  $-40^\circ\text{C}$  to  $60^\circ\text{C}$

Protection modes: Emergency stop, Over-temperature protection

Alarm modes: Low voltage alarm, Over-temperature alarm

## UGV



VA-UGV002 "Black Horse" Pro Multi-legged Intelligent Unmanned Platform

Machine size: 1000mmx900mmx400mm

Machine weight: 70kg

Payload capacity: 100kg

Maximum climbing angle:  $\geq 25^\circ$

Turning radius: 0mm

Maximum speed (walking):  $\geq 39.6\text{km/h}$

Control method: Image transmission, OCU terminal, target tracking

Autonomous navigation: Laser guidance + visual navigation

Interaction method: Voice, Gesture

Position accuracy:  $\pm 10\text{mm}$

Continuous operating time (under load): 4h

Maximum operating range (under load): 80km

Charging method: Automatic or manual

Protection rating: IP56

Operating temperature:  $-40^\circ\text{C}$  to  $60^\circ\text{C}$

Protection modes: Emergency stop, Over-temperature protection

Alarm modes: Low voltage alarm, Over-temperature alarm

## UGV



VA-UGV001 "Black Horse" Mini Multi-legged Intelligent Unmanned Platform

Machine sizes:	1800mmx1500mmx1200mm
Machine weight:	200kg
Payload capacity:	300kg
Maximum climbing angle:	≥ 40°
Maximum obstacle height:	≥ 400mm
Maximum obstacle width:	≥ 400mm
Turning radius:	0mm (on flat ground)
Maximum speed (walking):	≥ 20km/h
Maximum speed (crawling):	≥ 12km/h
Control method:	Image transmission, OCU terminal, target tracking
Autonomous navigation:	Laser guidance + visual navigation
Interaction method:	Voice, Gesture
Position accuracy:	±10mm
Continuous operating time (under load):	6h
Maximum operating range (under load):	70km
Charging method:	Automatic or manual
Protection rating:	IP56
Operating temperature:	-40° C to 60° C
Protection modes:	Emergency stop, Over-temperature protection
Alarm modes:	Low voltage alarm, Over-temperature alarm

## UGV



Integrated Reconnaissance And Strike Drone DK-X50/X70/X100

Flight Mode:	Swarm Flight
Image Transmission Method:	Real-time Transmission
Optical Instrument:	10x Optical Zoom
Protection Level:	IP54 Protection
Thermal Imaging:	Infrared Imaging
Airframe / Payload:	Customizable Airframe / Payload



VA-UGV004 Unmanned Vehicle

Machine size:	1020mmx750mmx405mm
Empty weight:	95kg
Rated load:	100kg
Maximum speed:	10m/s
Maximum acceleration (deceleration):	5m/s
Maximum ditch width:	400mm
Maximum slope:	20°
No-load working time:	130min
Satellite positioning module:	GPS/GLONASS/BDS/GALILEO
Control mode:	Manual remote control/autonomous driving