

GROUND CONTROL STATION

DESCRIPTION

The GS-01 Ground Control Station is designed for professional robotic operations across a range of industries and technologies. It offers high performance, durability, and a modular platform that supports extensive customization. As a versatile ground control solution, the GS-01 provides enhanced control in situations where mobility is not the primary concern while remaining easy to transport and mount.

Optimized for use by two operators, the GS-01 enables simultaneous control of both the vehicle and its payload. It features two sunlight-readable 24-inch Full HD touch screens, two 14-inch Full HD touch screens, a joystick, and a gamepad-style controller, all housed in a rugged, waterproof case designed for demanding environments.

The system supports various antenna configurations, allowing for communication ranges of up to 50 kilometers with multiple frequency options. It can also control multiple unmanned vehicles simultaneously, with telemetry and video data securely transmitted through an encrypted link.

GS-01



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INTERFACE

Ports:	2x USB ports
Input devices:	2x Mouse 1x Joystick controller 2x Waterproof keyboard
Output devices:	2x 24" main FullHD monitors 2x 4" secondary touch display
Switches:	Toggle switch with guard Power on/off keyswitch
Inputs:	Power and antenna inputs

HARDWARE

CPU:	Intel® Core™ i5 *
Graphics card:	Intel UHD
RAM:	8 Gb
SSD storage:	128 Gb
Wireless connection:	Dual band WiFi
Operating System:	Windows or Linux

PARAMETERS

Pan angle:	360°
Tilt angle:	0°-75°
Operating temperature:	-20°C to +40°C
Power supply:	50/60Hz 220-240V AC

**hardware can be upgraded upon request.*