

IKA-CTRL

GROUND CONTROL STATION

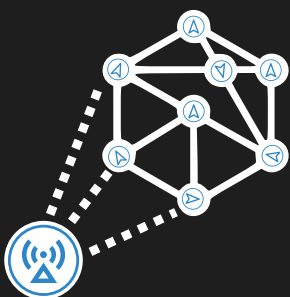


Specially designed **military-grade** controller

The **IKA-CTRL** ground control station is designed and produced by **PR-DC**. It is used for autonomous mission planning, aircraft telemetry monitoring, swarm flights, and manual control in all conditions. It is equipped with a rugged Getac tablet computer and features joysticks, pushbuttons, and toggle switches suitable for use with gloves and in all weather conditions. It is distinguished by the fact that the tablet computer does not need to be turned on to control the aircraft.

MAIN CHARACTERISTICS:

Screen:	11.6" FHD touchscreen
IP protection of the tablet:	IP66
External device battery:	rechargeable lithium-ion battery 7.2 V 3500 mAh
Tablet battery:	two rechargeable batteries 11.1 V 4200 mAh
Radio module:	2.4GHz with 128/256-bit AES encryption or on request
Structure material:	carbon fiber reinforced polymer
Control and secondary controls:	joysticks, pushbutton and toggle switches
Mass and dimensions (without antennas):	3.65 kg (8 lb), 500 mm x 285 mm x 110 mm (1.64 ft x 0.93 ft x 0.36 ft)
Mass and dimensions of the transport box:	12.6 kg (27.8 lb), 600 mm X 470 mm x 230 mm (1.97 ft x 1.54 ft x 0.75 ft)
Other features:	redundant controls (tablet computer and integrated MCU), robust carbon fiber and epoxy resin body, hand-held or tripod, digital video transmission, video recording, telemetry, mission planning and warning messages, multilanguage GUI, no internet required, stand-alone device.



Together with the **FlightControl** application, single **IKA-CTRL** can control multiple drones at the same time (as a **swarm**).

Swarm modes:

- Simultaneous mission execution.
- Formation flight.
- Guided flight.
- Direct control of one aircraft.



**WE DESIGN &
PRODUCE DRONES**



MAIN MODULES



**Real-time drone control with
video link**



Mission planning



Swarm control



**A comprehensive display
of system status**