



HANDOVER

Datasheet rev1.2 / Sept.2020

La GCS Handover, durcie dès sa conception, est une station de contrôle portable qui permet, avec ses nombreux sticks et interrupteurs, de piloter au plus près tous types de drones transportant une charge utile ou de robots équipés de bras, d'outils ou de capteurs.



SPECIFICATIONS TECHNIQUES

MECHANICAL

- 344x223x74 mm
- Anodized aluminium
- Total weight : 3 kg
- IP rating 65
- Screen 10 inch/HD/400 Nits

COMMAND and SWITCHES

- 3 Mini-thumb Control Joystick (finger type)
- 2 Mini-thumb Control Joystick (castle type)
- Sealed selector Switches (speed control)
- 12 assignable buttons
- Power button + LED

POWER

- Battery voltage : 18-25.2 V
- Power consumption : 30 W
- Effective operating time : 3.5 hours
- Skydrone External battery
- Battery type : 6S 1P Li-Ion

EXTERNAL

- 2 RF Antennas
- 1 USB2 connector
- 4.0 Bluetooth
- USB Management Interface
- On screen Status indicator

FREQUENCY BAND OPTION

- Frequency range 2.4 GHz
- Digital Data Link Feature : Robust 2X2 MIMO 2.4 GHz Operation
- Sensivity : Adjustable total transmit power (up to 1W)
- Encryption : 128-bit AES (Optional 256-bit)
- Optimal performance specifications
 - Up to 25 Mbps Iperf Throughput @ 8 MHz channel (-81 dBm)
 - Up to 14 Mbps IPerf Throughput @ 4 MHz channel (-83.5 dBm)
- Operating Modes
 - Maximal Ratio Combining (MRC), Maximal Likelihood (ML) decoding
 - Low-Density Parity Check (LDPC)
 - Supports Point-to-Point and Point-to-Multipoint Networks
 - Master, Remote, Relay Operating Modes

SYSTEM AND SOFTWARE

- Operating system : OS Linux Ubuntu Server
- IT Hardware : Exynos 5422 ARM 2Go LPDDR3
- Software : PUI - Skydrone GCS GUI
- Screening and Viewing :
 - Video : media managing, PIP, multicam viewer, thermal camera, ...
 - On screen data : batteries status and alarms, sensors temperatures, link status, navigation infos,...
- Video command
 - Zooming, pan/tilt control,
 - Video and Photo automatic export,...
- Robot control (example)
 - All axes control,
 - speed and preset speed control,
 - commande locking,
 - tools and arms controle, lights and buzzers,
 - sensors controle, ...
- Cooling sytem : 2 IP sealed fans

