

HERCULES SERIES FOR AERIAL SURVEILLANCE



HERCULES 5



HERCULES 10



HERCULES 20

PLUG & PLAY GIMBAL - THERMAL, LIDAR, ZOOM.

The most complete and polyvalent gimbal of the market. Designed to be used with any kind of inspection drone. No complex configuration required.



FLIR VUE Thermal camera

- High quality thermal picture (up to 640 x 512)
- HD recording of pictures and videos on micro-SD
- Transmit in real-time the captured temperature data.

The FLIR VUE pro, one of the best camera of the market, provides high quality thermal images.



Laser telemeter - LIDAR

- Real time scale on OSD to measure the observed defects
- Distance 100m, accuracy 1cm

Thanks to the laser Lidar, the gimbal finally offers measurement scale for your inspection pictures and allows to determine the size of identified defects during an operation.



x10 / x18 or x30 Optical zoom

- High quality and long distance inspection
- 1080p 30 fps
- Full HD recording on micro-SD

The x10/x18 or x30 optical zoom allows to clearly observe the details of inspected zones, and this from a distant point.

Its powerful zoom is decision aid tool.



Applications

- Power lines inspection
- Off-shore inspection
- Engineering structures inspection
- Solar panels inspections
- Civil security
- Rescue operations
- Firefighters

TECHNICAL SPECIFICATIONS FOR HERCULES SERIES

Drone type	Dimensions	M2M	Payload capacity	Motors	Supported system	Weight
HERCULES 5	700 mm x 700 mm with propellers	900mm	5kg	4 x T-motor by DRONE VOLT 4014-9	Pixhawk	3,8kg
HERCULES 10	700 mm x 700 mm with propellers	900mm	10kg	8 x T-motor DRONE VOLT 4014-9	Pixhawk	4,5kg
HERCULES 20	700 mm x 700 mm with propellers	900mm	20kg	8 x T-motor by DRONE VOLT U7V2	Pixhawk	5,8kg

GIMBAL TECHNICAL SPECIFICATIONS

- **FLIR VUE PRO Thermal camera**
 - Sensor 336 x 256 / 35x27° / f = 9 mm
 - Optional : 640 x 512 / 45x37° / f = 13 mm
 - 8 Hz / spectrum 7,5 -13,5 um
 - Micro-SD 14 bits recording
- **LIDAR Laser altimeter**
 - Accuracy of 1 cm for a distance up to 100 m -
 - Optional : 3 points orthogonality LIDAR

Zoom x10 Optical camera
 - Sensor : HD 1080 p (3 MP) / f = 4,9 – 49 mm -
 Day/Night with IR filter
 - Micro-SD HD recorder

- 2 simultaneous outputs video - NTSC/PAL CVBS out
- 3 brushless motors for a 3-axis gyro-stabilisation Pan / Tilt / Roll
 - Continuous rotation movement +/- 0,1°
 - Yaw 360° / Pitch +/- 90° / Roll +/- 45
- Black and resistant polyamide box
- Quick release on shock absorbers for vibration reduction

