



GC3-T

Waterproof 3-axis gimbal thermal camera

SplashDrone 4 + GC3-T

The SplashDrone 4 and GC3-T by SwellPro works together as a powerful & affordable aerial thermal imaging solution for industrial jobs. The dual-sensor provides both infrared image and low-light image simultaneously, allowing operators to quickly identify objects and analyze situations, day or night, rain or shine. Uncovering critical details in hard-to-reach places with minimized time, cost and risks like never before.



Features



A high sensitivity thermal sensor captures a 640x512 thermal image for identifying object of interest.



A low-light sensor captures a 1080P true color video for confirming more details of the suspicious object.



An integrated adjustable LED flashlight turns night into day.



Both the SplashDrone 4 and GC3-T are totally waterproof and can fly in all weathers.



Watch thermal video live on the APP from a distance up to 5 km with almost zero latency.



Accurate temperature reading with real-time on-screen display and temperature alarm.



Specifications

SplashDrone 4

Waterproof rating: IP67 (aircraft)/IP66 remote controller
Max Takeoff Altitude: 120m (GPS) / ATTI - no limitation
Max Flight Speed: 22 m/s (ATTI) / 10 m/s (GPS)
Max Flight Time: up to 20 mins
Max Flight Distance: 5 km
Max Payload Capacity: 2 kg
Operating Frequency: 5180 - 5875 MHz
Working Temperature: -10°C - 40°C

Thermal sensor

Thermal Imager: Uncooled VOx Microbolometer
Sensor Resolution: 640 x 512 @50FPS
Lens
Focal length: 19mm
Aperture: f/1.0
FOV: 22°H x 18°V
IFOV: 0.63 mrad
Pixel Pitch: 12 μm
Spectral Band: 8~14 μm
Sensitivity (NETD): ≤50mK @25°C, f/1.0 (≤40mK Configurable)
Scene Range: -20°C to +150°C (± 3°C)
Anti-flicker: Auto, 50Hz, 60Hz
Photo format: JPEG
Video format: MP4 , MOV

GC3-T

Waterproof rating: IP67
Stabilization: 3-axis (tilt, pan, roll).
Weight: 430 g
Size: 134.5*134.5*117 mm
Memory Card: Micro SD card: supports up to 128GB of capacity, write speeds ≥ 40 MB/s, recommend using Class 10 or above, or with UHS-1 rating.
Working Temperature: -10°C - 40°C

Low-light sensor

Sensors: 1/2" 2M Starlight CMOS
Lens: FOV: 92.6°
Burst mode: 3/5/10 shoots
Video resolution: FHD: 1920*1080@50fps | HD: 1280*720@50fps
Anti-flicker: Auto, 50Hz, 60Hz
Max data stream: 64 Mbps
Photo format: JPEG
Video format: MP4 , MOV

Applications



Search and Rescue

The SplashDrone 4 can be deployed and cover a lot of ground or water area in just a few minutes. With the GC3-T, pilots can easily locate missing people from a distance and immediately commence rescue operation, even in total darkness.



Firefighting

Firefighters used SplashDrone 4 and GC3-T to do a quick aerial survey of the area, allowing them to come up with strategy to put out the fire. They do not only help firefighters put out the fire fast, but also keep them safe while out in the field.



Power Line Inspection

Electrical installations can more be easily inspected and checked for excessive heat spots, defective parts, and weak connections from a safe distance using the SplashDrone 4 and GC3-T thermal camera, eliminating any requirement for bulky devices or placing lives in danger.



Law Enforcement

The SplashDrone 4 and GC3-T enables law enforcement officers to monitor unfolding crime scenes and locate active shooters while maintaining a safe distance. This gives officers real-time, actionable intel to access the threat while formulating a strategy for their approach.

SwellPro Technology Co, LTD.