

G6LVS Tethered Lighting UAV



When UAVs come to mind, there is also a demand to take videos/photos with the camera. Based on these demands, G6LVS, the most professional UAV with lighting function, was born. With the G6LVS model, you can shoot 4KHD video at 30 frames per second day or night. You can connect your smartphone to the UAV with an application you download on the professional drone controller and view the videos taken through its camera. In addition, the videos taken on the drone are recorded on the Micro SD card (256GB).

The G6LVS model also features RTK technology that provides precise positioning capability. With this technology, positioning with centimeter precision can be provided. The G6LVS model can also respond to requests to operate at an altitude/altitude of 4500 meters. With its 1.25kW power unit, 540W LED lighting module and 4K HD camera, it is designed according to the demands of search and rescue teams.

Thanks to its 540W lighting capability, wide area scanning can be done more easily. Of the four 180W lighting modules under the drone, 2 of them can be directed to the desired area via the remote control. With G6LVS, you can safely apply at heights ranging from 5 meters to 50 meters. The maximum flight height is 50 meters due to the power cable.

You can fly uninterruptedly at any point where you provide mains voltage. In case of emergency or power failure, the battery in the power unit will automatically ensure the safe landing of the UAV.

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Aircraft Specifications

Product Name	:G6LVS
Centimeter Precise Positioning	:RTK Technology
Flight Altitude (m)	:50m
Automatic Takeoff	:No
Automatic Landing	:Yes
Emergency Landing Mode	:Yes, Automatic
Take-off Weight (kg)	:1430 gr
Dimension (mm)	:296*296*203
Wind - Rain Class	:Class7 (13,9~17,1m/sn) - Class10 (10L/sn)
Maximum Working Height (Altitude)	:4500 m
Operation Possibility	
Operating Temperature (°C)	:-20°C - +50°C



Lighting LED Module Features

Lighting Unit Power (W)	:540W
Lighting Source	:Power LED
Color Temperature(CCT)	:6500K
Color Rendering Index	:>70
Lighting Area	:>5000m2

Camera Module Specifications

Lens	:170° Wide Angle
Video Resolution	:4K HD Video 1080p, 30FPS
Video Format / Video Recording	:MP4 - H265 / SD Kart(256GB)
PTZ Controlled Rotation Range	:pan +/- 90°, tilt +/- 30°
Vibration Damper	:Yes
Gimbal	:3 Axis

Control Controller Features

Control Communication Frequency (GHz)	:2.4 Ghz
Remote Control Communication Distance	:<500 m
Number of Channels	:32

Power Unit Specifications

Input Voltage (AC)	:220-240V, AC 50/60 Hz
Max. Power (W)	:1250 W
Assembly Time / Workspace	:5dk / 5m ²
Reel Winding - Release	:Var, Automatic - Manual
Weight (gr)	:17440
Size (cm)	:L45 x W41 x H22 cm

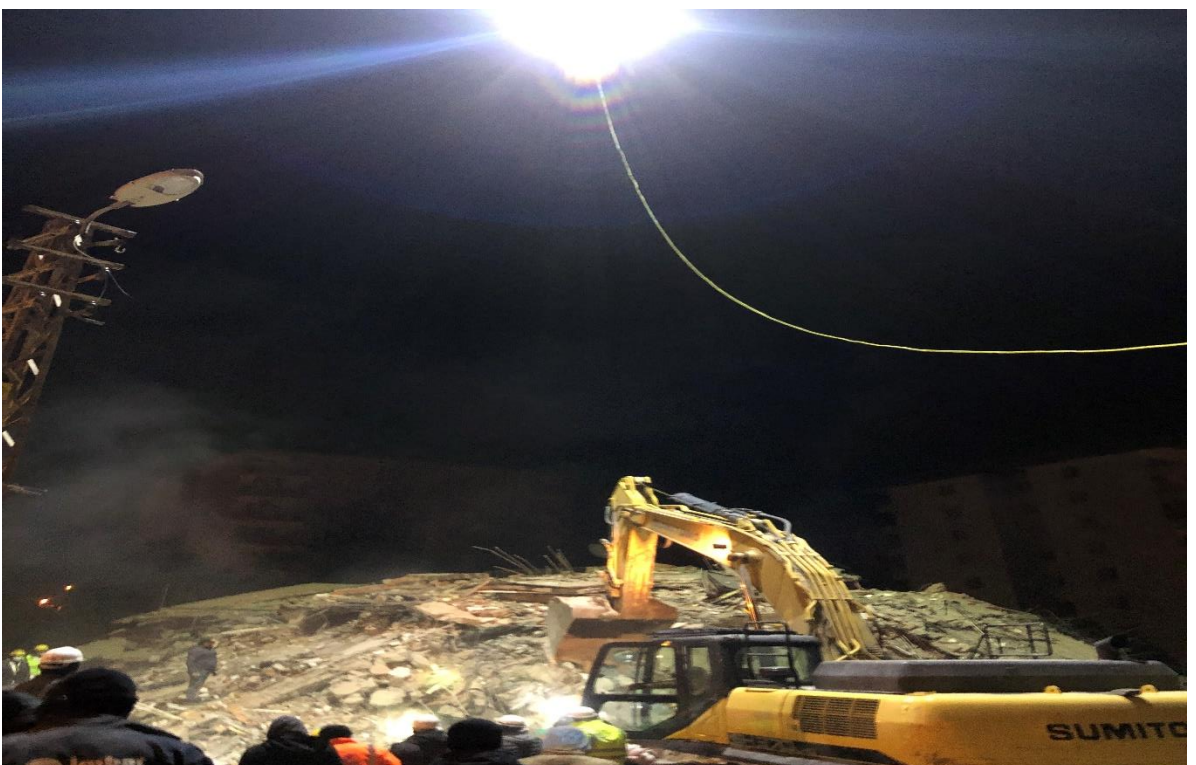


Product Order Information

Product Code	Power	Input Voltage	CCT/CRI	Departure Weight	Flight Duration	Dimensions	Cable Length
G6LVS-04-RW-32-TET-50-CAM	540W	220 VAC 50-60 Hz	6500K / 70 CRI	1430 gr	24s	L65x W30 x H42 cm	50 m

- Product average maximum power is 1.25 kW. You can use a generator or portable power station where there is no mains voltage.
- You can use the product for at least 1 hour with a 1250W Lithium Battery portable power station
- You can also use it without interruption with a gasoline generator with a continuous power of at least 1.25kW. We recommend a generator due to price/performance and long-term use.

Application Visuals



G6LS Tethered Lighting UAV

Lighting Test



In the illumination test performed by taking our wired illuminated aircraft to an altitude of 5m (AGL), 687lux was obtained on the ground, 230lux was obtained at an altitude of 10m (AGL) and 80lux was obtained in the illumination measurement made while flying at an altitude of 15m (AGL). The visuals of the results of the measurements made with the Luxmeter at 5m, 10m and 15m are as follows.

Lighting Test Results



5m- 687lx

10m- 230lx

15m- 80lx