

Specifications

Model:	Drontec W.A.S.P Night (Wide Area Surveillance Platform - FLIR thermal only)	
Configuration:	Quadcopter (Four lifting motors)	
Landing gear:	Manually extendable legs integrated into each foldable allowing for compact size for transportation. Legs remain extended throughout flight.	
Dimensions:	Hard case transportation package	500 X 500 X 200mm
	Assembled with landing gear deployed and propellers open	640mm
	Assembled with landing gear , arms and propellers folded	285mm
Weight:	Assembled ready to fly with no payload	2400g
	DJI TB48 5700mah battery	670g
	Total weight with 2 X batteries ready to fly	3700g
Operating temperature:	-20 to 40 °C	
Max Flight Time:	2 X TB48 FLIR camera gimbal	25 min
	*flight times tested at sea level, hovering, at 0m/s wind speed	

Flight Control System:

Accuracy:	Vertical	±0.5m
	Horizontal	±1.5m
Max Tilt angle		35°
Ascent/descent		±6ms
Max Speed (P mode):		65km/h
Max service ceiling:		3000m
Max wind resistance:		45km/h
WASP direct control device:	DJI Lightbridge 2 Ground and air system	

Ground Control unit: DJI Handheld TX (Transmitter)

Maximum Transmission Distance: Up to 5 km (unobstructed, free of interference)

EIRP: 100 mW @ 2.4 GHz

Operating Frequency: 2.4GHz – 2.482Ghz and 5.75Ghz -5.825Ghz

Video transmission: HDMI 720p50, 720p60, 1080p30, 1080p50, 1080p60

Ground system TX(Transmitter):

Weight: 810g

Dimensions: 182mm x 167mm x 104mm (L-W-H)

Built-in Battery: 7.4 V, 6000mAh

Operating Current: 900mA

Operating Temp: -10 -40 °C

Video Output: HDMI, SDI, USB

WASP system interface device: Apple or Android smart device

WASP system interface Software: DJI-Go app

Video playback device: DJI-Go app

Mapping system: Google earth over DJI Go app

Waypoint flight setup: DJI-Go app

*Please download DJI-go app from your device app store. Please find all operation documentation for DJI-go app at www.dji.com

Flight Battery Deluxe option (2 required)

Model: TB48

Chemistry: Lithium-polymer (Li-Po)

Maximum Charging power: 180 W

Operating Temperature : -20 to 40 °C

Storage charge (automatically set if left unused for 10 days): 85% of Capacity

Flight Battery Standard (2 required)

Model: Dronetec Lipo

Chemistry: Lithium-polymer (Li-Po)

Maximum Charging power: 5C (5 X rated capacity)

Operating Temperature : -20 to 40 °C
Storage charge [\(No automatic storage charge feature\)](#) 85% of Capacity

Thermal Camera Payload

Camera Model: FLIR Vue Pro 336
Attachment: Hot-Swop sliding rail with rotating lock
Attachment time: 5 sec
Gimbal accuracy: 0.02° (static)
Gimbal range: Tilt -90° to 90°
Roll -50° to 50°
Pan -150° to 150° (limited to damping only)
Functions: Tilt Push button control on TX
Pan By moving UAV in Yaw direction, Gimbal has pan damping
Zoom 2X digital zoom controlled by roller on TX (Transmitter)
Video Record start/stop on toggle on TX
Onboard storage using Micro SD
Resolution: 336 x 256
Lens: 13mm
F.O.V: 45° X 26° degrees
Frame Rate: 9Hz (30Hz special order)
Video Playback: Transmission to ground over Lightbridge 2
Viewing of video using Smart Device (Apple or Android)
External video devices connected using HDMI output

All specifications are subject to change without notification

