

Specifications

Model: Drontec W.A.S.P (Wide Area Surveillance Platform)

Configuration: Quadcopter (Four lifting motors)

Landing gear: Manually extendable legs integrated into each removable arm allowing for easy swop out in the event of damage. Legs remain extended throughout flight.

Dimensions:	Hard case transportation package	700 X 500 X 200mm
	Assembled with landing gear deployed and propellers open	690mm
	Assembled with landing gear and propellers folded	450mm
	WASP main body only	300 X 500mm
	1 WASP rotor arm complete, landing gear and props folded	300mm

Weight:	Assembled ready to fly with no payload	5900g
	DJI TB48 5700mah battery	670g
	Total weight with 2 X batteries ready to fly	6800g

Operating temperature: -20 to 40 °C

Max Flight Time:	2 X TB48 FLIR camera gimbal	23 min
	2 X TB48 18X Zoom camera gimbal	20 min
	4 X TB48 FLIR camera gimbal	32 min
	4 X TB48 18X Zoom camera gimbal	29 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 (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

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

18X Zoom Camera Payload

Attachment:	Hot-Swop sliding rail with rotating lock
Attachment time:	5 sec
Gimbal accuracy:	0.03° (static)
Gimbal range:	Tilt -120° to 30°

	Roll	-40° to 40°
	Pan	-170° to 170° (limited to damping only)
Functions:	Tilt	Push button control on TX
	Pan	By moving UAV in Yaw direction, Gimbal has pan damping
	Zoom	18X optical zoom controlled by roller on TX
	Video	Record start/stop on toggle on TX
		Onboard storage using Micro SD at 1080P
Focus Time:		<2 sec
Resolution:		1080P
Lens:		18X zoom
Frame Rate:		30 fps
Video Playback:		720P 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