



SPARK



PHANTOM 4  
ADVANCED



PHANTOM 3  
SE

Características destacadas

Small and Compact  
Quick Launch  
Obstacle Sensing  
12 MP Camera  
Gesture Control  
QuickShot  
ActiveTrack

1" CMOS Sensor  
4K@60fps  
Mechanical Shutter  
Forward Obstacle Sensing  
7 km video transmission  
30-Minute Flight Time

1/2.3" CMOS  
Sensor  
4K@30fps  
Dual Band 4 km video transmission  
25-Minute Flight Time

A destacar

Precio	USD \$499	USD \$1199	USD \$599
Dimensions	143x143x55 mm (LxWxH)	289.5 x 289.5 x 196 mm (LxWxH)	289.5 x 289.5 x 196 mm (LxWxH)
Peso	300 g	1368 g	1236g
Performance de vuelo	Max Flight Time: 16 minutes Max Speed: 50 kph (S - mode <sup>[1]</sup> ) 21 kph (P - mode)	Max Flight Time: 30 minutes Max Speed: 72 kph (S - mode) 50 kph (P - mode)	Max Flight Time: 25 minutes Max Speed: 57 kph (P - mode)
Modos inteligentes	Advanced Gesture QuickShot ActiveTrack TapFly Tripod	ActiveTrack Tapfly Tripod Mode Draw Gesture Mode Point of Interest Course Lock Home Lock Follow me Waypoints	Point of Interest Course Lock Home Lock Follow me Waypoints
Fotografia	2 - Axis Mechanical Gimbal + UltraSmooth 1/2.3" CMOS Max Video Resolution: 1080 p Max Photo Resolution: 12 MP	3-Axis Mechanical Gimbal 1" CMOS Mechanical Shutter Max Video Resolution: 4K@60fps Max Image Size: 20 MP	3-Axis Mechanical Gimbal 1/2.3" CMOS Max Video Resolution: 4K@30fps Max Image Size: 12 MP
Sensores	Forward Obstacle Sensing: 0.2 - 5 m.	Forward obstacle sensing: 0.7 - 15 m	/

Modos de Control	Gesture		Remote Controller	Remote Controller
	Intelligent Mobile Device	Remote controller		
Maxima distancia de transmision, ademas con sesores activos	Intelligent Mobile Device: 100 m		Remote Controller :	2.400 - 2.483 GHz
	Remote Controller: 2.412 - 2.462 GHz FCC: 2000 m CE: 500 m SRRRC: 500 m		2.400 - 2.483 GHz FCC: 7000 m CE: 3500 m SRRRC: 4000 m	FCC: 4000 m CE: 500 m SRRRC: 500 m
	5.745 - 5.825 GHz FCC: 2000 m CE: 300 m SRRRC: 1200 m			5.725 - 5.825 GHz FCC: 4000 m CE: 400 m SRRRC: 3000 m

## Aeronave

Peso	300 g	1368 g	1236g
Dimensiones	143x143x55 mm (LxWxH)	289.5x289.5x196 mm (LxWxH)	289.5*289.5*196 mm (lengthxwidthxheight)
Distancia diagonal	170 mm	350 mm	350mm
Maxima velocidad de ascenso	3 m/s (S - mode <sub>[1]</sub> ) 2 m/s (P - mode)	6 m/s (S - mode) 5 m/s (P - mode)	5 m/s (P-mode)
Maxima velocidad de descenso	2 m/s (S - mode <sub>[1]</sub> ) 1.5 m/s (P - mode)	4 m/s (S - mode) 3 m/s (P - mode)	3 m/s (P-mode)
Maxima velocidad	50 kph (S - mode <sub>[1]</sub> ) 21 kph (P - mode)	72 kph (S - mode) 50 kph (P - mode)	57 km/h (A-mode, near sea level, no wind)
Maxima alcance	4000 m	6000 m	6000 m
Tiempo de vuelo	16 minutes (at a consistent 20 kph)	30 minutes (at a consistent 20 kph)	25 minutes (at a consistent 20 kph)
Maximo tiempo de vuelo sin viento probado	15 minutes	28 minutes	/
Maxima distancia de vuelo	9 km	14 km	/
Maxima resistencia al viento	20 - 28 kph	29 - 38 kph	29 - 38 kph
Maximo angulo de vuelo	35° (S - mode <sub>[1]</sub> ) 15° (P - mode)	42° (S - mode) 25° (P - mode)	35° (P-mode)
Maximo angulo de velocidad	300°/s (S - mode <sub>[1]</sub> ) 300°/s (P - mode)	250°/s (S - mode) 150°/s (P - mode)	150°/s (P-mode)
Temperatura de operación	0°C - 40°C	0°C - 40°C	0°C - 40°C
Frecuencia de operación	2.400 - 2.4835 GHz 5.725 - 5.825 GHz	2.400 - 2.483 GHz	2.400 - 2.483 GHz ; 5.725 - 5.825 GHz
Transmission Power (EIRP)	2.400 - 2.4835 GHz FCC: ≤25 dBm CE: ≤18 dBm SRRRC: ≤18 dBm	2.400 - 2.483 GHz FCC: ≤26 dBm CE: ≤17 dBm SRRRC: ≤20 dBm	2.400 - 2.483 GHz FCC : 27≤dBm SRRRC : 20≤dBm CE : 20≤dBm
	5.725 - 5.825 GHz FCC: ≤27 dBm CE: ≤14 dBm SRRRC: ≤27 dBm		5.725 - 5.825 GHz FCC : 30≤dBm SRRRC : 26≤dBm CE : 14≤dBm

GPS	GPS+GLONASS	GPS+GLONASS	GPS+GLONASS
Precision en alcance	Vertical: ±0.1 m (with Vision Positioning) ±0.5 m (with GPS Positioning)  Horizontal: ±0.3 m (with Vision Positioning) ±1.5 m (with GPS Positioning)	Vertical: ±0.1 m (with Vision Positioning) ±0.5 m (with GPS Positioning)  Horizontal: ±0.3 m (with Vision Positioning) ±1.5 m (with GPS Positioning)	—
<b>GIMBAL</b>			
Rango de control	Tilt: -85 to 0° Roll: -17 to +17°	Tilt: -90 to +30° Pan: -30 to +30°	Pitch: -90–30°
estabilizacion	2-axis (tilt, roll)	3-axis (tilt, roll, pan)	3-axis (tilt, roll, pan)
Maxima velocidad de control angular	120°/s	120°/s	90°/s (A-mode)
Vibracion en angulo	±0.03°	±0.02°	±0.03°
<b>Sistemas de sensores</b>			
Adelante	Precision Measurement Range: 0.2 - 5 m Detectable Range: 0.2 - 5 m Effective Sensing Speed: ≤3 m/s Field of View (FOV) : Horizontal 70°, Vertical ±27°	Precision Measurement Range: 0.7 - 15 m Detectable Range: 0.7 - 30 m Effective Sensing Speed: ≤14 m/s Field of View (FOV) : Horizontal 60°, Vertical ±27°	/
Descenso	Altitude Range: 0 - 8 m Operating Range: 0 - 30 m	Altitude Range: 0 - 10 m Operating Range: 0 - 10 m	Altitude Range: 0 - 3 m Detectable Range: 0 - 3 m
Entorno de operación	Forward: Detects diffuse reflective surfaces (>20%) larger than 20x20 cm (walls, trees, people, etc.)  Downward: Detects clearly patterned surfaces with adequate lighting (lux>15) and diffuse reflectivity (>20%)	Forward: Surface with clear pattern and adequate lighting (lux>15)  Downward: Surface with clear pattern and adequate lighting (lux>15)  Speed ≤14 m/s (at 2 m, sufficient brightness)	Downwards:Surface with clear pattern and adequate lighting (lux>15) Speed ≤8m/s (at 2 m, sufficient brightness)
<b>Camara</b>			
Sensor	1/2.3" CMOS Effective Pixels: 12 MP	1" CMOS Effective Pixels: 20 MP	1/2.3" CMOS ; Effective Pixels: 12 MP
Lente	FOV: 81.9° 35 mm Format Equivalent: 25 mm Aperture: f/2.6 Shooting Range: 2 m to ∞	FOV: 84 ° 35 mm Format Equivalent: 24 mm Aperture: f/2.8 - 11 Shooting Range: 1 m to ∞ (auto focus)	FOV: 94 ° 35 mm Format Equivalent: 24 mm Aperture: f/2.8 Shooting Range: 2 m to ∞ (auto focus)
Rango de ISO	Video: 100 - 3200  Photo: 100 - 1600	Video: 100 - 3200 (auto) 100 - 6400 (manual)  Photo: 100 - 3200 (auto) 100 - 12800 (manual)	Video: 100 - 1600 (auto) 100 - 3200 (manual) Photo: 100 - 1600 (auto) 100 - 1600 (manual)
Velocidad de disparo	Electronic Shutter: 2 - 1/8000 s	Electronic Shutter: 8 - 1/8000 s	Electronic Shutter Speed: 8 - 1/8000 s

velocidad de disparo	Electronic Shutter: 2 - 1/6000 s	Mechanical Shutter: 8 - 1/2000 s	Electronic Shutter Speed: 8 - 1/6000 s
Tamaño	3968x2976	3:2: 5472x3648 4:3: 4864x3648 16:9: 5472x3078	4:3: 4000*3000
Modos Fotograficos	Single Shot Burst Shooting: 3 frames Auto Exposure Bracketing (AEB): 3 bracketed frames at 0.7 EV bias Interval: 2/3/5/7/10/15/20/30/60 s Panorama: Horizontal, Vertical, 180° ShallowFocus	Single Shot Burst Shooting: 3/5/7/10/14 frames Auto Exposure Bracketing(AEB): 3/5 bracketed frames at 0.7 EV bias Interval: 2/3/5/7/10/15/20/30/60 s	Single Shot Burst Shooting (BURST) : 3/5/7 frames Auto Exposure Bracketing (AEB) : 3/5 bracketed frames at 0.7 EV bias Interval: 2/3/5/7/10/15/20/30/60 s
Resolucion de videos	1920x1080 30 fps	H.265 C4K: 4096x2160 24/25/30 p @100 Mbps 4K: 3840x2160 24/25/30 p @100 Mbps 2.7K: 2720x1530 24/25/30 p @65 Mbps 2.7K: 2720x1530 48/50/60 p @80 Mbps FHD: 1920x1080 24/25/30 p @50 Mbps FHD: 1920x1080 48/50/60 p @65 Mbps FHD: 1920x1080 120 p @100 Mbps HD: 1280x720 24/25/30 p @25 Mbps HD: 1280x720 48/50/60 p @35 Mbps HD: 1280x720 120 p @60 Mbps	H.264 C4K: 4096x2160 24/25 p 4K: 3840x2160 24/25 p 2.7K: 2720x1520 24/25/30 p FHD: 1920x1080 24/25/30/48/50/60 p HD: 1280x720 24/25/30/48/50/60 p
Maximo Video Bitrate	24 Mbps	100 Mbps	60 Mbps
Tipo de sistema de archivos	FAT32	FAT32 (≤ 32 GB ) exFAT (> 32 GB)	FAT32 (≤ 32 GB ) exFAT (> 32 GB)
Formatos de foto	JPEG	JPEG/DNG (RAW)	JPEG / DNG (RAW)
Formatos de video	MP4 (H.264/MPEG-4 AVC)	MP4/MOV (H.264/AVC; H.265/HEVC)	MP4 / MOV (H.264/AVC)
Resoluciones de video	—	4096x2160 (24/25/30/48/50 p) 3840x2160 (24/25/30/48/50/60 p) 2720x1530 (24/25/30/48/50/60 p) 1920x1080 (24/25/30/48/50/60/120 p)	4096x2160(24/25p) 3840x2160(24/25/30p) 2720x1520(24/25/30p) 1920x1080 (24/25/30/48/50/60p)
<b>Control remoto</b>			
Frecuencia de operación	2.412 - 2.462 GHz 5.745 - 5.825 GHz	2.400 - 2.483 GHz	2.400 - 2.483 GHz ; 5.725 - 5.825 GHz
	2.412 - 2.462 GHz FCC: 2000 m	2.400 - 2.483 GHz FCC: 7000 m	

	CE: 500 m SRRC: 500 m	CE: 3500 m SRRC: 4000 m	2.400 - 2.483 GHz FCC: 1000 m CE: 500 m SRRC: 500 m 5.725 - 5.825 GHz FCC: 4000 m CE: 3000 m SRRC: 400 m
Distancia maxima de operaci3n	5.745 - 5.825 GHz FCC: 2000 m CE: 300 m SRRC: 1200 m		
Rango de temperatura de operaci3n	0°C - 40°C	0°C - 40°C	0°C 至 40°C
Poder de transmision	2.412 - 2.462 GHz FCC: ≤26 dBm CE: ≤18 dBm SRRC: ≤18 dBm	2.400 - 2.483 GHz FCC: ≤26 dBm; CE: ≤17 dBm SRRC: ≤20 dBm	2.400 - 2.483 GHz FCC: ≤27 dBm CE: ≤20 dBm SRRC: ≤20 dBm 5.725 - 5.825 GHz FCC: ≤30 dBm CE: ≤26 dBm SRRC: ≤14 dBm
Bateria	2970 mAh	6000 mAh	2600 mAh
Tension de operaci3n	950 mA = 3.7 V	1.2 A = 7.4 V	1.2 A at 3.7 V
Tama1o	Max Length: 160 mm Supported Thickness: 6.5 - 8.5 mm	Max Length: 170 mm Max Thickness: 13 mm	Max Length: 170 mm Max Thickness: 13 mm

## Dispositivo movil de control (Celular)

Frecuencia de operaci3n	2.400 - 2.4835 GHz 5.725 - 5.825 GHz	—	—
Distancia maxima de operaci3n	Distance: 100 m	—	—
	Height: 50 m		

## Carga

Entrada	100-240 V, 50/60 Hz, 0.5 A	100 - 240 V, 50/60 Hz, 1.4 A	100-240 V, 50/60 Hz, 1.2 A
Salida	5 V=3 A; 9 V=2 A; 12 V=1.5 A	17.5 V = 0~5.7 A	17.5 V, 0~5.7 A
Tension de operaci3n	5 V / 9 V	17.5 V	17.4 V
Consumo	15 W / 18 W	100 W	57 W

## Bateria inteligente de vuelo

Energia	16.87 Wh	89.2 Wh	4480 mAh
Capacidad	1480 mAh	5870 mAh	15.2 V
Tension de operaci3n	11.4 V	15.2 V	15.2 V
Carga maxima	13.05 V	17.4 V	Lipo 4S
Tipo de bateria	LiPo 3S	LiPo 4S	68 Wh
Peso	95 g	468 g	365g
Temperatura de carga	5°C - 40°C	5°C - 40°C	5°C-40°C

Maximo poder de carga	29 W	100 W	100 W
<b>Aplicación</b>			
Sistema de transmision	Enhanced Wi-Fi	LightBridge	WiFi
Nombre de aplicación	DJI GO 4	DJI GO 4	DJI GO
Calidad	Remote Controller: 720 p @30 fps Mobile Device: 720 p @30 fps DJI Goggles: 720 p @30 fps	Remote Controller: 720 p @30 fps Mobile Device: 720 p @30 fps DJI Goggles: 720 p @30 fps/720 p @60 fps/1080 p @30 fps	Remote Controller: 720 p @30 fps Mobile Device: 720 p @30 fps
Latencia del entorno	260 - 300 ms	220 ms	Low-latency
Sistema operativos	iOS v9.0 or later Android v4.4.0 or later	iOS v9.0 or later Android v4.4.0 or later	iOS v9.0 or later Android v4.4.0 or later