

AIRCRAFT	Phantom 3 Standard	Phantom 3 Advanced	Phantom 3 Professional	Phantom 4
Total Weight	1216 g	1280 g	1280 g	1380 g
Max Ascent Speed	5 m/s	5 m/s	5 m/s	6 m/s (Sport mode)
Max Descent Speed	3 m/s	3 m/s	3 m/s	4 m/s (Sport mode)
Max Speed	16 m/s (ATTI mode, no wind)	16 m/s (ATTI mode, no wind)	16 m/s (ATTI mode, no wind)	20 m/s (Sport mode)
Max Service Ceiling Above Sea Level	6000 m (Default altitude limit: 120 m above takeoff point)	6000 m (Default altitude limit: 120 m above takeoff point)	6000 m (Default altitude limit: 120 m above takeoff point)	19685 feet (6000 m)
Max Flight Time	Approx. 25 minutes	Approx. 23 minutes	Approx. 23 minutes	Approx. 28 minutes
Operating Temperature	0°C to 40°C	0°C to 40°C	0°C to 40°C	32° to 104° F (0° to 40° C)
GPS Mode	Built-in GPS	GPS/GLONASS	GPS/GLONASS	GPS / GLONASS
Hover Accuracy	—	Vertical: +/- 0.1 m (when Vision Positioning is active) or +/- 0.5 m Horizontal: +/- 1.5 m	Vertical: +/- 0.1 m (when Vision Positioning is active) or +/- 0.5 m Horizontal: +/- 1.5 m	Vertical: +/- 0.1 m (when Vision Positioning is active) or +/- 0.5 m Horizontal: +/- 0.3 m (when Vision Positioning is active) or +/- 1.5 m

OBSTACLE SENSING SYSTEM

Obstacle Sensory Range	—	—	—	2 - 49 feet (0.7 - 15 m)
Operating Environment	—	—	—	Surface with clear pattern and adequate lighting (lux > 15)

VISION POSITIONING

Velocity Range	—	Less than 8 m/s (when 2 m above ground)	Less than 8 m/s (2 m above ground)	≤10 m/s (2 m above ground)
Altitude Range	—	30 cm-300 cm	30 cm-300 cm	0 - 33 feet (0 - 10 m)
Operating Range	—	50 cm-300 cm	50 cm-300 cm	0 - 33 feet (0 - 10 m)
Operating Environment	—	Surface with clear pattern and adequate lighting (Lux > 15)	Surface with clear pattern and adequate lighting (Lux > 15)	Surface with clear pattern and adequate lighting (Lux > 15)

CAMERA	Phantom 3 Standard	Phantom 3 Advanced	Phantom 3 Professional	Phantom 4
Sensor	1/2.3" Effective pixels:12 M	Sony EXMOR 1/2.3" Effective pixels: 12.4 M (total pixels: 12.76 M)	Sony EXMOR 1/2.3" Effective pixels: 12.4 M (total pixels: 12.76 M)	1/2.3" Effective pixels:12 M
Lens	FOV (Field Of View) 94° 20 mm (35 mm format equivalent) f/2.8	FOV 94° 20 mm (35 mm format equivalent) f/2.8, focus at ∞	FOV 94° 20 mm (35 mm format equivalent) f/2.8, focus at ∞	FOV 94° 20 mm (35 mm format equivalent) f/2.8, focus at ∞
Still Photography Modes	Single Shot Burst Shooting: 3/5/7 shots Auto Exposure Bracketing (AEB): 3/5 Bracketed Frames at 0.7EV Bias Time-lapse	Single Shot Burst Shooting: 3/5/7 shots Auto Exposure Bracketing (AEB): 3/5 Bracketed Frames at 0.7EV Bias Time-lapse	Single Shot Burst Shooting: 3/5/7 shots Auto Exposure Bracketing (AEB): 3/5 Bracketed Frames at 0.7EV Bias Time-lapse	Single shot Burst shooting: 3 / 5 / 7 frames Auto Exposure Bracketing (AEB): 3 / 5 bracketed frames at 0.7 EV Bias Time-lapse HDR
Video Recording Modes	2.7K: 2704 x1520p 24/25/30 (29.97) FHD: 1920x1080p 24/25/30 HD: 1280x720p 24/25/30/48/50/60	2.7K: 2704 x1520p 24/25/30 (29.97) FHD: 1920x1080p 24/25/30/48/50/60 HD: 1280x720p 24/25/30/48/50/60	UHD: 4096x2160p 24/25, 3840x2160p 24/25/30 FHD: 1920x1080p 24/25/30/48/50/60 HD: 1280x720p 24/25/30/48/50/60	UHD: 4096x2160 (4K) 24 / 25p 3840x2160 (4K) 24 / 25 / 30p 2704x1520 (2.7K) 24 / 25 / 30p FHD: 1920x1080 24 / 25 / 30 / 48 / 50 / 60 / 120p HD: 1280x720 24 / 25 / 30 / 48 / 50 / 60p
Max Video Bitrate	40 Mbps	40 Mbps	60 Mbps	60 Mbps
Supported SD Card Types	Micro SD Card 8 GB included	Micro SD Max capacity: 64 GB. Class 10 or UHS-1 rating required	Micro SD Max capacity: 64 GB. Class 10 or UHS-1 rating required	Micro SD Max capacity: 64 GB. Class 10 or UHS-1 rating required
Photo	JPEG, DNG	JPEG, DNG	JPEG, DNG	JPEG, DNG (RAW)

REMOTE CONTROLLER

Operating Frequency	5.725 GHz – 5.825 GHz, 922.7 MHz – 927.7 MHz (Japan)	2.400 GHz-2.483 GHz	2.400 GHz-2.483 GHz	2.400 GHz to 2.483 GHz
Max Transmission Distance	FCC: 1000 m; CE: 500 m (outdoors and unobstructed, aircraft's altitude at 400 feet (120 m))	Up to 5 km or 3.1 miles (unobstructed, free of interference) when FCC compliant Up to 3.5 km or 2.1 miles (unobstructed, free of interference) when CE compliant	Up to 5 km or 3.1 miles (unobstructed, free of interference) when FCC compliant Up to 3.5 km or 2.1 miles (unobstructed, free of interference) when CE compliant	FCC Compliant: 3.1 mi (5 km); CE Compliant: 2.2 mi (3.5 km) (Unobstructed, free of interference)
Battery	2600 mAh LiPo 18650	6000 mAh LiPo 2S	6000 mAh LiPo 2S	6000 mAh LiPo 2S
Transmitter Power (EIRP)	FCC: 20 dBm CE: 16 dBm	FCC: 20 dBm CE: 16 dBm	FCC: 20 dBm CE: 16 dBm	FCC: 23 dBm CE: 17 dBm
Operating Voltage	600 mA @ 3.7V	1.2 A @7.4 V	1.2 A @7.4 V	7.4V @ 1.2A
Charging Port	Micro USB	—	—	—

CHARGER

Rated Power	57 W	57 W	100 W	100 W
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INTELLIGENT FLIGHT BATTERY

Capacity	4480 mAh	4480 mAh	4480 mAh	5350 mAh
Energy	68 Wh	68 Wh	68 Wh	81.3 Wh
Net Weight	365 g	365 g	365 g	462 g

APP / LIVE VIEW

Latency	Low Latency Video (depending on conditions and mobile device)	220ms (depending on conditions and mobile device)	220ms (depending on conditions and mobile device)	220ms (depending on conditions and mobile device)
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