ANAFI Ai
The 4G robotic UAV

"Pleasure in the job puts perfection in the work." — Aristotle

Parrot
Cybersecurity by Design
No data shared by default
Strong authentication for 4G
FIPS140-2 compliant and CC EAL5+ certified Secure Elements

A Unique Robotic Platform
Software Development Kit with onboard coding capabilities
Full open-source App
The largest Partner Ecosystem for Drones

4G: Internet connectivity
Connected without range limit
Flies Beyond Visual Line Of Sight
Worldwide compatibility

48 MP Camera
4K 60 fps: Smooth video
HDR10: Realistic colors
14 EV: Dynamic range
6x zoom: 1 cm details at 75 m (240 ft)

Autonomous Photogrammetry
Shoots 48 MP at 1 fps
Survey grade accuracy: 0.46 cm/px GSD at 30 m (100 ft)
Embedded PIX4D flight planning
4G transfer to PIX4Dcloud
Parrot believes that drones are useful for everyday business. They must be easy to use and adaptable to complex missions.

COMPATIBLE THIRD-PARTY SOFTWARE SUITE
PIX4Dscan, PIX4Dinspect, PIX4Dcloud, PIX4Dreact, PIX4Dsurvey

APPLICATIONS

Pack Contents:
ANAFI Ai drone
1 Parrot Skycontroller 4
1 international USB-PD fast charger
1 hard case

3 USB-C to USB-C cables (2 long & 1 short — charge and pairing)
1 short USB-C to Lightning cable (connection to iOS devices)
1 additional set of propeller blades
1 gimbal protection
TECHNICAL SPECIFICATIONS

DRONE
Size folded: 304 x 130 x 118 mm
Size unfolded: 320 x 440 x 118 mm
Weight: 898 g / 1.98 lb
Ready to fly in 60 seconds
Maximum flight time: 32 min
Maximum horizontal speed: 17 m/s – 38 mph
Maximum vertical speed: 4 m/s – 9 mph
Maximum wind resistance: 14 m/s – 31.3 mph
Maximum propeller speed: 10,000 rpm
Service Ceiling: 5,000 m (above sea level)
Operating temperatures: -10°C to 40°C
Dust and rain resistant (IP53)
Noise emission: 81 dB at 1 m
MicroSD and SIM card slots

CONNECTIVITY
Seamless 4G/Wi-Fi switching
Flies Beyond Visual Line Of Sight
1080p 30 fps live streaming
No interference near telecom towers

NAVIGATION SYSTEM
Satellite navigation: GPS, Glonass and Galileo
Vertical camera & Time of Flight
Barometer and magnetometer
2 x 6-axis inertial units (flight and camera)
2 x 3-axis accelerometers
2 x 3-axis gyroscopes
Steroscopic cameras mounted on a 311° rotating gimbal (-107° to +204°) for obstacle avoidance
AI trajectory optimization system
Indoor flight

SKYCONTROLLER 4
Size without terminal: 238 x 147 x 55 mm
Maximum size: 315 x 147 x 55 mm
Weight: 606 g / 1.34 lb
Transmission system: Wi-Fi 802.11a/b/g/n & 4G
Frequency of use: 2.4 GHz – 5 GHz
Direct video stream resolution: 1080 p

Battery capacity: 3.350 mAh 7.2 V
Compatible with all smartphones and tablets up to 8"
Charges smartphones and tablets
Ports: 2xUSB-C (charging and connecting), micro-HDMI
Dust resistant (IP5X)

DRONE SMART BATTERY
Type: High Density Lithium Polymer (262 Wh/kg)
Capacity: 6800 mAh 4.4 V
Charging port: USB-C
Weight: 366 g / 0.81 lb
Maximum charging power: 45 W

PARROT FREEFLIGHT 7
APPLICATION
Free App, no subscription fee
App available on the App Store
Compatible with iOS 12 and higher
3 free 3D models, courtesy of Pix4Dcloud

IMAGING SYSTEM
Sensor: 1/2” 48 MP CMOS
Dynamic range: 14 EV in HDR mode
Optical LD-ASPH (low dispersion aspheric lens):
Aperture: f/2.0
35 mm focal equivalent: 24 mm
Depth of field: 4.5 m to ∞
ISO range: 50 to 6400
Shutter speed: 1/15 s to 1/10000 s
Zoom: 6x – lossless: up to 4x (1080 p)
& 2x (4K UHD)
6-axis stabilization:
Mechanical: 3-axis (pitch, roll, yaw)
Electronic (EIS): 3-axis (pitch, roll, yaw)
Gimbal tilt range: -90° to +90°

VIDEO SPECIFICATIONS
Format: MP4 (H.264, H.265)
Resolutions:
4K UHD: 3840x2160
1080 p: 1920x1080
Frameaters:
4K UHD: 24/25/30/48/50/60 fps
1080 p: 24/25/30/48/50/60/90 /100/120 fps

HDR 10: 4K UHD/1080 p - 24/25/30 fps
HDR 8: for all resolutions
Horizontal field of view (HFOV): 68°
Maximum video bandwidth: 200 Mbps
P-Log for professional video editing

PHOTO SPECIFICATIONS
Formats: JPEG, DNG (Digital NeGative RAW)
Resolution:
48 MP (8000x6000), 12 MP (4000x3000)
Horizontal field of view (HFOV): 68°

AUTONOMOUS FLIGHT
Photogrammetry: single grid, double grid, orbit, automatic
Flight Plan: multiple Waypoints and Points Of Interest
Cameraman: automatic framing with visual tracking
Smart RTH: customizable return altitude
Vehicle: flight adapted to controller location reference

CYBERSECURITY
Zero data shared without user consent
FIPS140-2 compliant and CC EAL5+ certified Secure Elements
Strong authentication for 4G
Digitally signed pictures
Transparency and Bug bounty continuous security check

PARROT SDK
Air SDK: onboard coding capabilities
Ground SDK: iOS App development kit
OpenFlight: open-source core of Free-Flight 7
Sphinx: 3D photorealistic simulator
Olympe: Python controller programming interface
PDrAW: video & metadata toolset

Parrot