

ANAFI Ai

The 4G robotic UAV



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

Parrot®



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



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

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

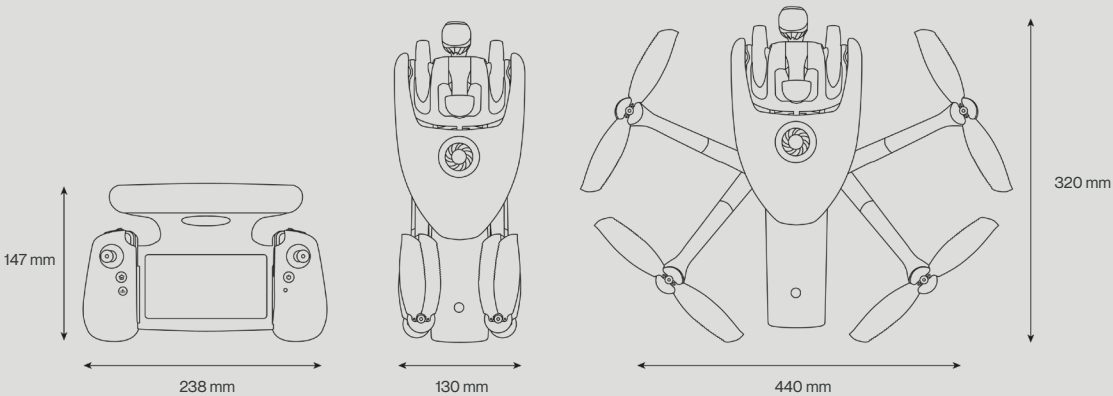
APPLICATIONS
Inspection: buildings, infrastructures, telecom towers, wind turbines, solar panels, pipe-lines, refineries. Photogrammetry: mapping, surveying, 3D modeling, orthophotography. Construction monitoring, automated surveillance, real estate, insurance, video creation.



3D model of the city of Positano mapped in 4G.

Pack Contents:

- | | |
|-------------------------------------|---|
| ANAFI Ai drone | 2 USB-C to USB-C cables (charge and pairing) |
| 1 Parrot Skycontroller 4 | 2 USB-C to Lightning cables (connection to iOS devices) |
| 1 hard case | 1 additional set of propeller blades |
| 1 international USB-PD fast charger | 1 gimbal protection |
| | Documentation |



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: 16 m/s – 34 mph
Maximum vertical speed: 4 m/s – 9 mph
Maximum wind resistance: 12.7 m/s – 28.4 mph
Maximum propeller speed: 10,000 rpm
Service Ceiling: 5,000 m (above sea level)
Operating temperatures: -10°C to 40°
Dust and rain resistant (IPX3)
Noise emission: 81 dB at 1 m
MicroSD and SIM card slots

CONNECTIVITY

Seamless 4G/Wi-Fi switching
Flies Beyond Visual Line Of Sight 1080 p 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 Stereoscopic 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
Framerates:
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): 73° (Wide), 69° (Wide with EIS), 65° (Rectilinear with EIS)
Modes: Single, Bracketing, Burst (10 fps), Panorama (4 formats), Time-lapse, GPS-lapse

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 & Android App development kit
OpenFlight: open-source core of Free-Flight 7
Sphinx: 3D photorealistic simulator
Olympe: Python controller programming interface
PDrAW: video & metadata toolset