

# 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



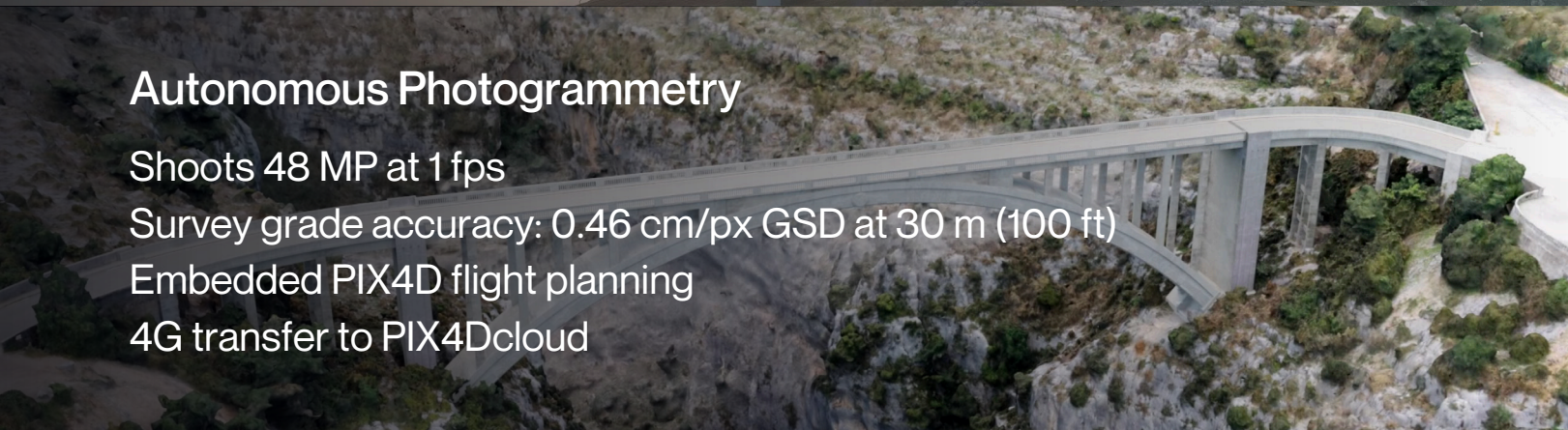
## 48 MP Camera

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



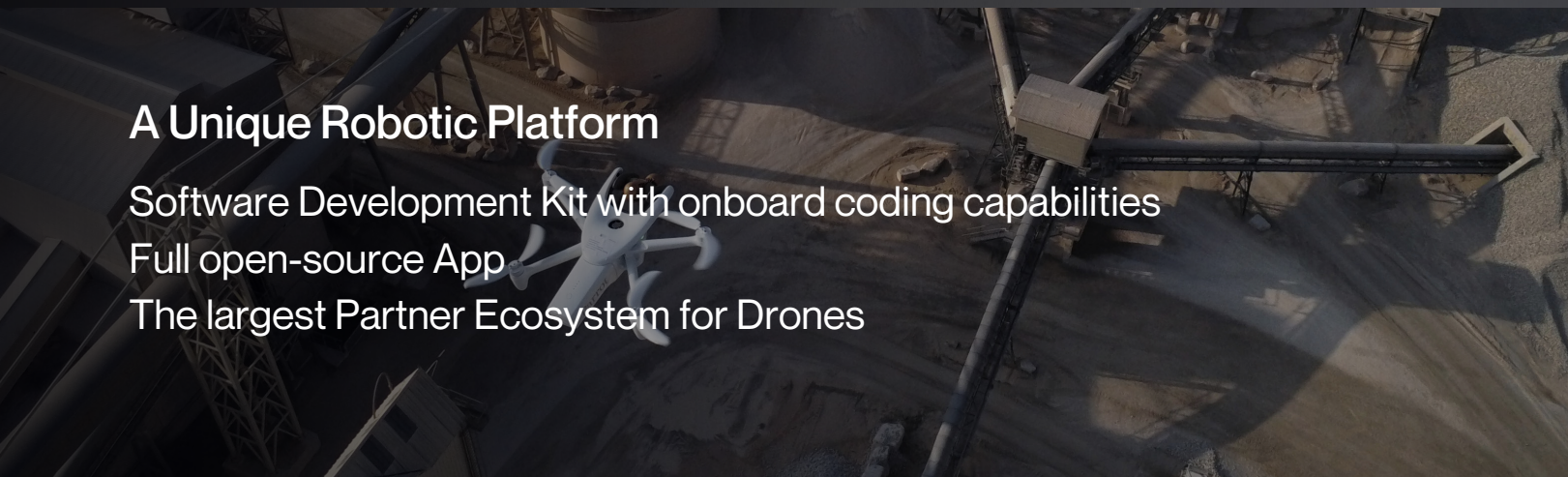
## Cybersecurity by Design

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

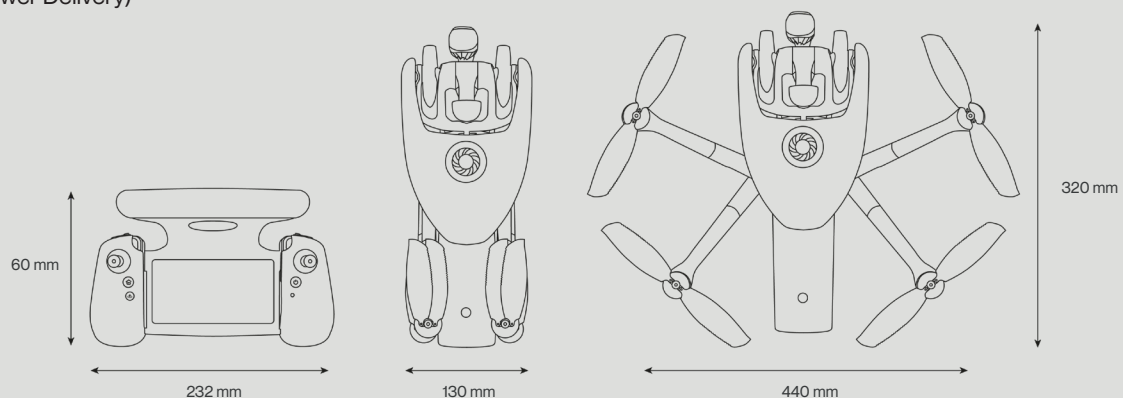
Inspection: buildings, infrastructures, telecom towers, wind turbines, solar panels, pipelines, refineries. Photogrammetry: mapping, surveying, 3D modeling, orthophotography. Construction monitoring, automated surveillance, real estate, insurance, video creation.



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

### Pack Contents:

- 1 ANAFI Ai drone
- 1 hard case
- 1 Skycontroller 4 remote
- 1 smart battery
- 1 USB-PD (Power Delivery) fast charger
- 1 USB-C – Lightning cable
- 2 USB-C – USB-C cables
- 1 calibration chart
- 1 additional set of propeller blades



# 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°C  
Rain resistant (IPX3)  
Noise emission: 82 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  
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