

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



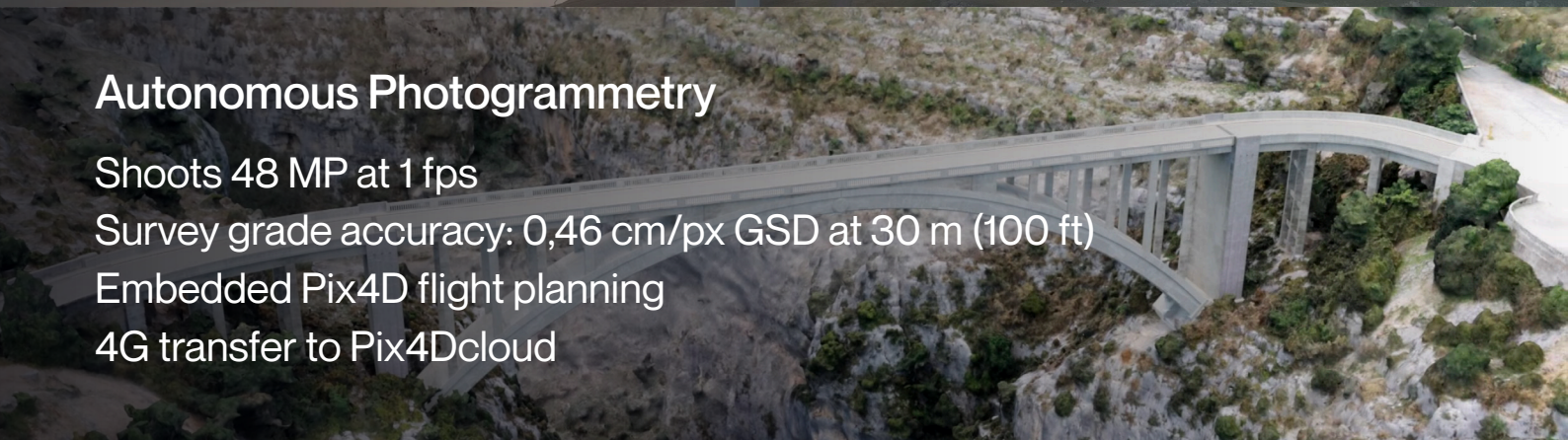
48 MP Camera

4K 30 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



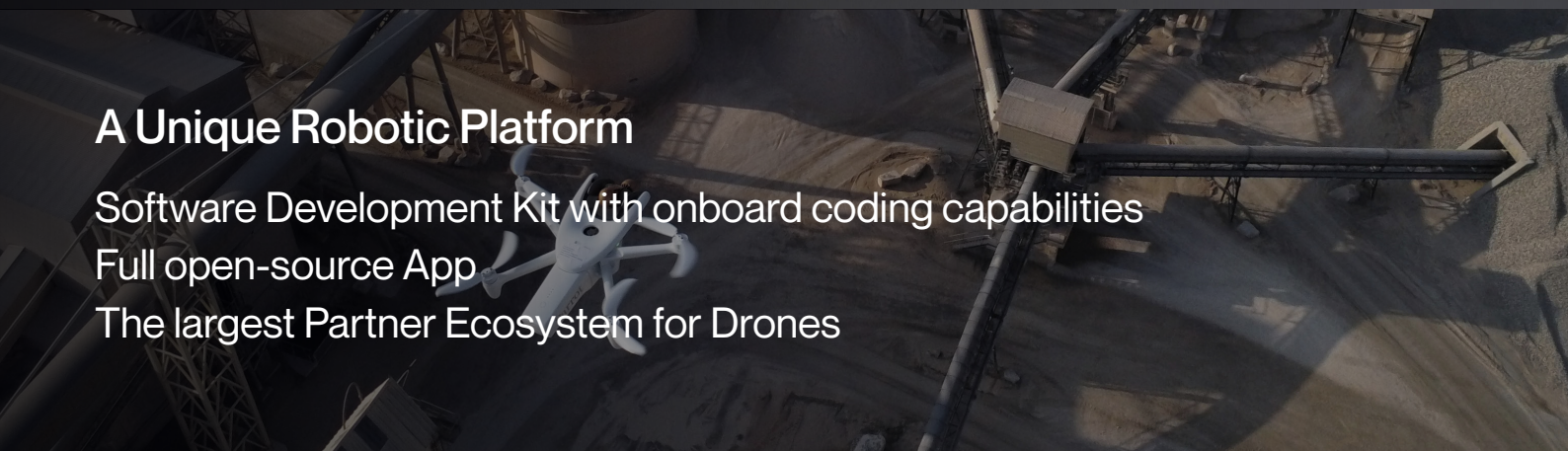
Cybersecurity by Design

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

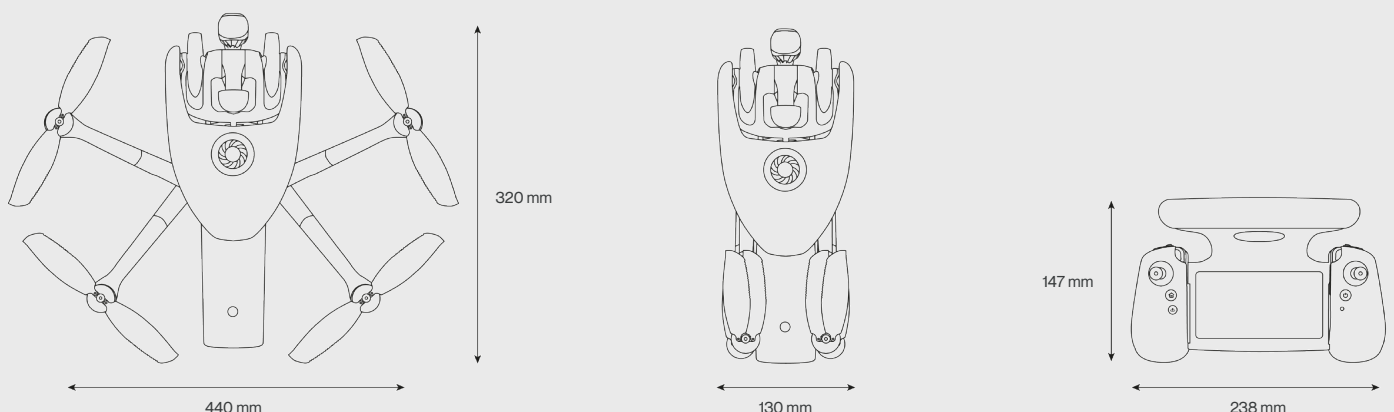
Inspection: buildings, infrastructures, telecom towers, wind turbines, solar panels, pipelines, refineries. Photogrammetry: mapping, surveying, 3D modeling, orthophotography. Construction monitoring, automated surveillance, real estate, insurance, video creation.



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

Pack content

- ANAFI Ai drone
- 1 Parrot Skycontroller 4
- 1 multiport USB-PD fast charger
- 1 hard case
- 3 USB-C/USB-C cables (2 long & 1 short — charge and pairing)
- 1 short USB-C/Lightning cable (connection to iOS devices)
- 1 additional set of propeller blades
- 1 gimbal protection



TECHNICAL SPECIFICATIONS

DRONE

- Size folded: 304x130x118 mm
- Size unfolded: 320x440x118 mm
- Weight: 898 g / 1.98 lb
- Ready to fly in 60 seconds
- Maximum flight time: 32 minutes
- 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 during flight & 12 m/s – 26.8 mph during take-off and landing
- Maximum propeller speed: 10,000 rpm
- Service ceiling: 5,000 m (above sea level)
- Operating temperature: +14 °F (-10 °C) to +104 °F (+40 °C)
- IP53 certified: dust and rain resistant
- Noise emission at 1 m (3 ft): 81 dB
- MicroSD and SIM card slots

CONNECTIVITY

- Seamless 4G/WiFi switching
- Files Beyond Visual Line Of Sight
- 1080p 30 fps live streaming
- No interference near telecom towers

SENSORS

- Satellite navigation: GPS, GLONASS & 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

PARROT SKYCONTROLLER 4

- Size without terminal: 238x147x55 mm
- Maximum size: 315x147x55 mm
- Weight: 606 g / 1.34 lb
- Transmission system: WiFi 802.11a/b/g/n & 4G
- Operating frequencies: 2.4 – 5 GHz
- Direct video stream resolution: 1080p
- 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
- IP5X certified: dust resistant

SMART BATTERY

- Type: High density LiPo (262 Wh/kg)
- Capacity: 6,800 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
- 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
 - 35mm focal equivalent: 24 mm
 - Depth of field: 4.5 m to ∞
- ISO range: 50 – 6400
- Shutter speed: 1 s to 1/10,000 s
- Zoom: 6x – lossless: up to 4x(1080p) & 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
 - 1080p: 1920x1080
- Framerates:
 - 4K UHD: 24/25/30 fps
 - 1080p: 24/25/30/48/50/60 fps
 - HDR 10: 4K UHD/1080p - 24/25/30 fps
 - HDR 8: 4K UHD/1080p - 24/25/30 fps
- 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: Grid, Double grid, Orbit, 1-Click
- 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 FreeFlight 7
- Sphinx: 3D photorealistic simulator
- Olympe: Python controller programming interface
- PDrAW: video & metadata toolset