ANAFLI 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

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

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
• 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