ANAFI USA

A DRONE DESIGNED FOR FIRST RESPONDERS AND ENTERPRISE PROFESSIONALS

PARROT'S NEXT-GENERATION DRONE OFFERS 32X ZOOM, THERMAL IMAGING, A RUGGEDIZED AIRFRAME, AND ADVANCED DATA SECURITY

Parrot®

32X ZOOM AND ADVANCED IMAGING SYSTEM

POWERFUL TRIPLE CAMERA WITH UP TO 32x CONTINUOUS ZOOM

- Records visible and thermal photos and videos (video quality: 1280x720p in thermal spectrum / up to 4K HDR in visible spectrum)
- Hybrid 3-axis stabilization (2-axis mechanical stabilization and 3-axis digital stabilization)
- A CMOS 1/2.4'' sensor and EO (electro-optical) tele-camera for a 32x stabilized zoom and stealth observation capabilities
- A CMOS 1/2.4'' sensor and EO wide camera for visible spectrum short range reconnaissance
- A FLIR Boson® 320 longwave infrared (LWIR) thermal camera: 320x256 resolution, 50° HFOV, temperature range -10 °C to +150 °C
- Gimbal tilt range from -140° (beyond nadir) to +110° (over zenith)
- Replay, edit and analyze thermal media from the drone on the device, without downloading

EASY TO OPERATE

FLIGHT-READY IN LESS THAN 55 SECONDS, NO BUILT-IN LIMITATIONS FOR NFZ, WEIGHS ONLY 1.1LB (500G)

- The drone unfolds, powers on and connects securely to its controller in less than 55 seconds
- No GPS synchronization required to take off: flies perfectly indoor and in obstructed areas
- Hand launch and hand landing features for difficult terrains
- No built-in limitation for NFZ (no-fly zone)
- Quietest drone in its class: sound level of just 79 dB when it is at 50 cm off the ground
- Standard USB-C charging
- Weighs 1.1 lb (500 g)
- Flight time of 32 minutes – best in class for a drone of its size

RUGGEDIZED

IP53 QUALIFIED FOR WATER AND DUST RESISTANCE

- IP53 (5 against solids: dust protected / 3 against liquids: sprayed water and rain protected)
- Stabilized imaging ensures high-quality footage even at 15 m/s wind conditions

TRUSTED AND SECURE

MADE IN USA, ENCRYPTION READY

- Same high-end security, durability and imaging capabilities as Parrot's Short-Range Reconnaissance (SRR) drone designed for the U.S. Army
- Manufactured in Massachusetts, USA
- SD card encryption with AES-XTS algorithm and 512-bit key length. Complete protection of photos and videos if the drone is lost
- Secure WPA2 Wi-Fi connection to authenticate en encrypt the link between the remote controller and ANAFI USA
- Signed firmware prevents any malicious modification of the drone's software
- Use of trusted standards and open protocols such as Wi-Fi, WPA2, RTP/RTSP, H.264, and GUTMA
- GDPR compliant - no data is shared by default without the consent of the user
- With the user's consent, flight data is stored in secure European servers - local copies on the drone

NEW FLIGHT FEATURES

ADVANCED FLIGHT FEATURES DESIGNED TO MEET THE UNIQUE NEEDS OF PROFESSIONALS

- Powered by a new version of FreeFlight 6, ANAFI's acclaimed piloting software
- Fly by coordinates in assisted framing or full autonomous flights: define points of interest (POI), waypoints (WP) and landing points with their satellite navigation coordinates (GPS, GLONASS, GALILEO)
- Create a flight plan with pre-set automatic flights and target-tracking
- Editable "Return to Home" (RTH) feature

SOFTWARE ECOSYSTEM

COMPATIBLE WITH INDUSTRY-LEADING SOLUTION PROVIDERS, AVAILABLE SDK FOR AN EVER-GROWING ECOSYSTEM

- Open source SDK (Software Development Kit) for application developers
- Compatible with the industry-leading mapping software Pix4Dreact (2D mapping)
- Natively compatible with Survae (intelligent video, image, and data platform), DroneLogbook (operation and fleet management), Kittyhawk (security and compliance for enterprise UAS operations), Dronesense (the all-in-one platform for public safety operations), Planck AeroSystems (landing on moving vehicle) and Skyward, A Verizon company (aviation management platform)

TECHNICAL SPECIFICATIONS

ANAFI USA

- Weight: 500 g / 1 lb
- Maximum transmission range: 2.5 miles (4km) with the Parrot Skycontroller 3
- Maximum flight time: 32 minutes
- Maximum horizontal speed: 14,7 m/s (52.92 km/h or 32.88 mph)
- Maximum vertical speed: 4 m/s (14.40 km/h or 8.95 mph)
- Maximum wind resistance: 14,7 m/s (52.92 km/h or 32.88 mph)
- Service ceiling: 6.000 m above MSL (Mean Sea Level)
- Optional altitude fencing & geofencing
- Operating temperature: -32F (-35°C) to 110F (43°C)
- No take-off temperature limitation
- Manage your data privately between drone and device OR share anonymous data on secured European servers
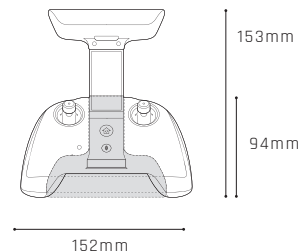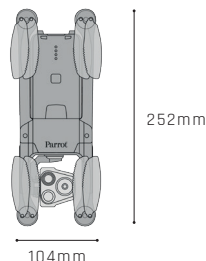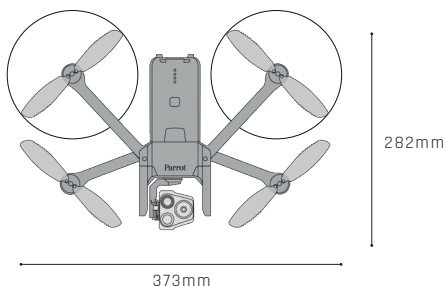
DIMENSIONS:

- Size folded: 252 x 104 x 82 mm (9.92 x 4.09 x 3.23")
- Size unfolded: 282 x 373 x 84 mm (11.10 x 14.69 x 3.30")

SENSORS:

- Satellite navigation: GPS, GLONASS & GALILEO
- Barometer and magnetometer
- Vertical camera and ultra-sonar
- 2 x 6-axis IMU
- 2 x 3-axis accelerometers
- 2 x 3-axis gyroscopes

EO IMAGE CHAIN

- 2 Sensors: 1/2.4
- Digital Zoom: x32
- Electronic shutter speed: 1s to 1/10000s
- ISO Range: 100-3200
- Video resolution: 4K/FHD/HD
- Video Format: MP4 (H264)
- Photo Resolution: Wide: 21MP (84° FOV); Rectilinear: up to 16MP (up to 75.5° FOV)
- Photo Formats: JPEG, DNG (Digital NeGative RAW)

IR IMAGE CHAIN

Sensor: FLIR BOSON

- 320x256 resolution
- -40°C to +150°C temperature range
- Thermal Sensitivity: <60mK
- Photo Format: JPEG
- Video Format: MP4 (H264)
- Video Recording Resolution: 1280x720, 9fps

IMAGE STABILIZATION

- 3-camera IR/EO stabilized gimbal:
    - Hybrid: 3-axis
    - Mechanical: 2-axis roll / pitch
    - Electronics (EIS): 3-axis yaw / roll / pitch
- Controllable gimbal tilt range: -140° to +110°

FAST-CHARGING SMART BATTERY

- Type: High density LiPo (3 x 4.4V cells)
- Capacity: 3400 mAh
- Battery life: 32 minutes
- Charing port: USB-C
- Charges in 2h with an USB-PD (Power Delivery) charger – not included in the pack
- Charges in 3h20 with the fast-charging port of the provided charger
- Weight: 195 g / 0.43 lb
- Voltage: 11,55 V
- Max charging power: 30 W

PARROT SKYCONTROLLER 3

- Folded size: 94 x 152 x 72 mm
- Unfolded size: 153 x 152 x 116 mm
- Weight: 283 g / 0.62 lb
- Transmission system: Wi-Fi 802.11a/b/g/n
- Operating frequency: 2.4 - 5.8 GHz
- Max. transmission distance: 4 km / 2.48 mi
- Resolution of live video feed: HD 720p
- Battery capacity: 2500mAh 3.6V
- Battery life: 2h30 (Android) / 5h30 (iOS)
- Compatible mobile devices: Screen size up to 6.5"
- USB ports: USB-C (Charge), USB-A (Connection)

282mm
373mm
252mm
104mm
153mm
94mm
152mm

PACK CONTENT

1 ANAFI USA drone, 3 (1+2) smart batteries,
1 Skycontroller 3, 1 tablet holder, 1 multi-port fast USB charger,
1 additional set of propeller blades, 4 USB-A/USB-C cables, 1 hard case

Parrot®