

Parrot®



A N A F I U S A M I L

A DRONE DESIGNED FOR MILITARY FORCES

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 EQ (electro-optical) tele-camera for a 32x stabilized zoom and stealth observation capabilities
- A CMOS 1/2.4" sensor and EQ wide camera for visible spectrum short-range reconnaissance
- A FLIR Boson[®] 320 longwave infrared (LWIR) thermal camera: 320x256 resolution, 50° HFOV, 60 fps, 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 1.13 LB (515 G)

- 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 1.13 lb (515 g)
- Flight time of 30 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 and 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 SOLDIERS

- 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

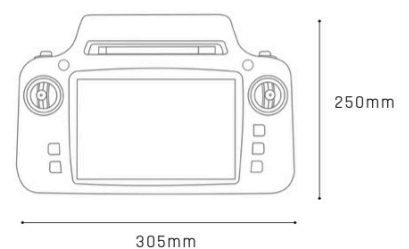
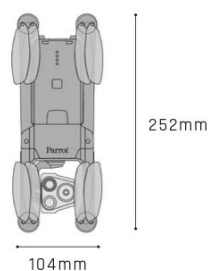
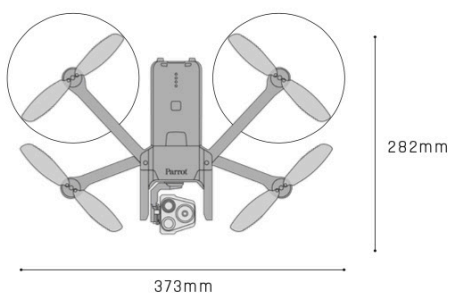
- Open source SDK (Software Development Kit) for application developers
- Compatible with the industry-leading mapping software Pix4Dreact (2D mapping)
- Natively compatible with Survae (intelligent video, image, and data platform), DroneLogbook (operation and fleet management), Kittyhawk (security and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

MIL EDITION FEATURES

- ANAFI USA MIL and Skycontroller USA MIL are fully TAA and NDAA compliant
- ANAFI USA MIL is compatible with TOGA (Tactical Open Government Architecture)
- Additional AES 256 encrypted radio communication system (Microhard)
- 60 frames per second Infrared video for extreme thermographic precision
- Fly with a data-empty drone for complete operational secrecy
- Worldwide US-standard Wi-Fi bandwidth
- Disable the auto-RTH function to maximize airtime and range
- Import KML and TMS map tiles for up-to-date and optimal situational awareness
- Control drone lights for stealth missions

PACK CONTENT

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



TECHNICAL SPECIFICATIONS

ANAFI USA MIL

- Fully compatible with U.S. Government owned tactical architecture ground control station TOGA
- Weight: 515 g / 1.13 lb
- Maximum transmission range: 3.1 miles (5km) with the Parrot Skycontroller USA MIL
- Maximum flight time: 30 minutes
- Maximum horizontal speed: 14,7 m/s (52.92 km/h or 32.88 mph)
- Maximum vertical speed: 6 m/s (21.60 km/h or 13.42 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
- Disable all onboard logs for absolute data security
- Activate the most powerful available Wi-Fi bandwidths anywhere in the world
- Disable auto-RTH function for complete control over full flight
- Import additional map formats for enhanced tactical awareness
- Can fly with LEDs off for improved discretion

DIMENSIONS:

- Size folded: 252 x 104 x 82 mm (9.92 x 4.09 x 3.23")
- Size unfolded: 282 x 373 x 192 mm (11.10 x 14.69 x 7.55")

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

EQ 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, 60fps

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: 30 minutes
- Charging 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

SKYCONTROLLER USA MIL

- 2.6 lbs. / 1.2 kg
- 12 x 10,2 x 2" / 305 x 260 x 51 mm
- TAA & NDAA compliant
- 2h charging time for a 4h30 battery life
- Based on 8" Samsung Galaxy Tab A (2019)
- IP53 (dust and rain resistant)

Wi-Fi (802.11a/b/g/nd):

- Operating frequencies bands: 2.4 GHz / 5.8 GHz
- Fully integrated antennas
- Range: 2.5 miles / 4 km (FCC 2.4 GHz)
- AES 128 encryption

Microhard:

- pDDL1800 1.8 GHz
- Foldable antennas
- Range: 3.1 miles / 5 km
- AES 256 encryption

Interfaces, Peripherals, Ergonomics:

- 2 joysticks
- 2 tact switches
- 8 hard buttons
- 1 x USB Type A
- 1 x USB Type C
- 1 x RJ45 (RTPS video stream and telemetry)
- 1 x Antenna output
- Secure boot & digitally signed software updates
- Controller & drone protected pairing
- LUKS encrypted volume