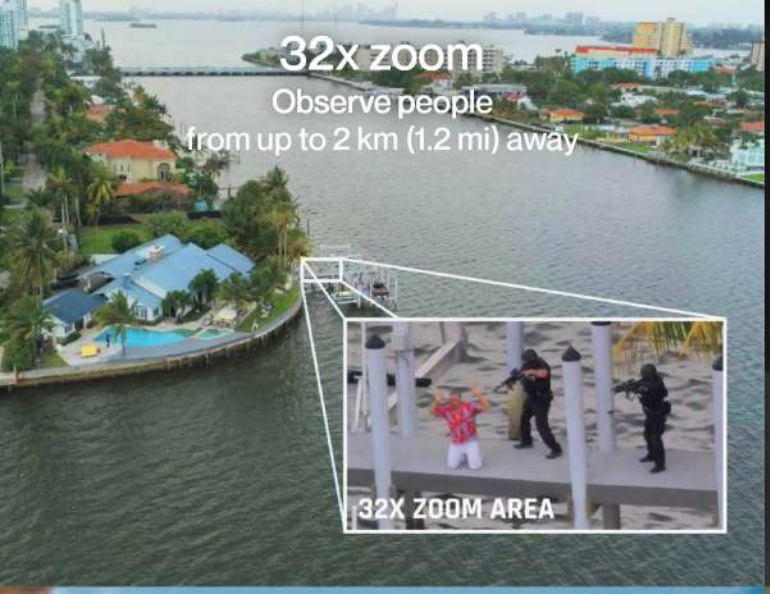
ANAFI USA

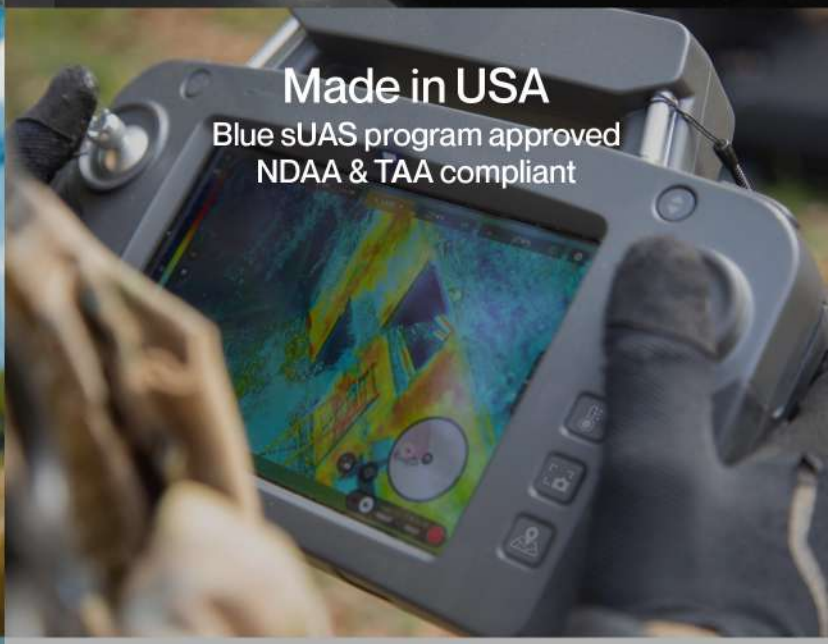
Designed for the U.S. Army.
Made for Enterprise.

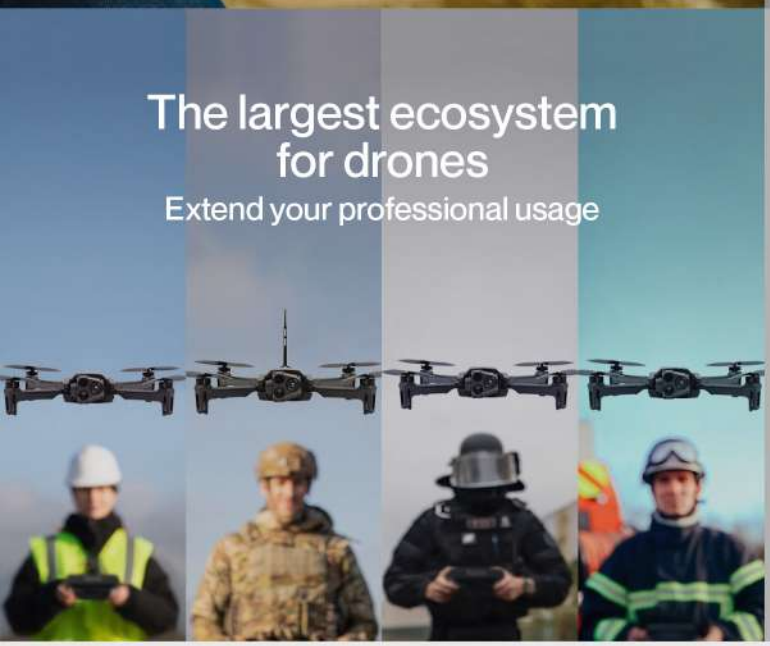
Made in USA. Blue sUAS program approved. NDAA & TAA compliant.

March 2023

Parrot







COMPATIBLE PARTNER SOFTWARE SUITE

PIX4Dcapture, PIX4Dinspect, PIX4Dcloud, PIX4Dreact, PIX4Dsurvey, DroneSense, DroneLogbook, Survae, High Lander, QGroundControl, Hoverseen, Textron Systems.

TRUSTED & PROVEN GLOBALLY

Parrot believes that drones are useful for everyday business. They must be easy to use and adaptable to complex missions.

ANAFI USA / USA SE

ANAFI USA GOV

ANAFI USA MIL

Pack contents

- 1 ANAFI USA drone
- 3 smart batteries (3x32 minutes)
- 1 Skycontroller 3
- 1 multi-port fast USB charger
- 1 additional set of propeller blades
- 4 USB-A/USB-C cables
- 1 hard case

- 1 ANAFI USA drone
- 3 smart batteries (3x32 minutes)
- 1 Skycontroller USA with its 8-inch display
- 1 multi-port fast USB charger
- 1 Skycontroller USA charger
- 1 additional set of propeller blades
- 3 USB-A/USB-C cables
- 1 USB-C/USB-C cable
- 1 hard case

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- 3 smart batteries (3x32 minutes)
- 1 Skycontroller USA with its 8-inch display
- 1 multi-port fast USB charger
- 1 Skycontroller USA charger
- 1 additional set of propeller blades
- 3 USB-A/USB-C cables
- 1 USB-C/USB-C cable
- 1 hard case
- AES 256 encrypted Microhard radio communication system
- TOGA (Tactical Open Government Architecture) compatible

Certifications

- IP53 certified (dust and rain resistant)
- CE (European Union)
- FCC (United-States)
- IC (Canada)
- UKCA (United-Kingdom)
- TELEC (Japan)
- NCC (Taiwan)
- KC (Korea)
- IMDA (Singapor)

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Additional features

- On ANAFI USA SE only:
  - Software-unlock maximum vertical speed: 6 m/s (ascent and descent)
  - Disable the LED Lights
  - Disable the auto-RTH function to maximize airtime and range
  - Importing KML and TMS map tiles for up-to-date and optimal situation awareness
  - Share precise co-ordinates
  - Take off / land from the hand
  - Take off from a moving vehicle or vessel

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- External antenna connection for Faraday-cage environments
- Indicates coordinates and location of a point targeted on-screen

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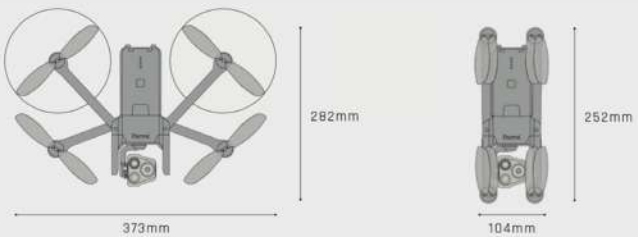

DRONE
- Weight: 496 g / 1 lb.
- Maximum take-off mass (MTOM): 644 g / 1.42 lb.
- Maximum transmission range: 5 km (3.1 mi)
- Maximum flight time: 32 minutes (30 minutes with optional Microhard mounted)
- Maximum horizontal speed: 15 m/s
- Maximum ascent speed: 4 m/s (6 m/s on SE/GOV/MIL)
- Maximum descent speed: 2 m/s
- Maximum wind resistance: 15 m/s
- Maximum propeller speed: 11,000 rpm
- Sound power level at 1 m (3 ft): 84 dB
- Service ceiling: 5,000 m above MSL (Mean Sea Level)
- User defined geofencing
- IP53 certified: dust and rain resistant
- Operating temperature: -33 °F (-36 °C) to +122 °F (+50 °C)
- No take-off temperature limitations

SECURITY
- Manage your data privately between drone and device OR share anonymous data on secured
- European servers
- MicroSD card encryption:
  - LUKS2 volume with AES-XTS protocol
  - 512 bits key
- WPA2 AES CCMP encrypted network connections
- Digitally signed authenticated firmware

DIMENSIONS
- Folded: 252x104x82 mm
- Unfolded: 282x373x84 mm
- Unfolded with optional Microhard: 282x373x192 mm

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: 32x
- Electronic shutter speed: 1 s to 1/10,000 s
- ISO range: 100-3200
- Video resolution: 4K/FHD/HD
- Video format: MP4 (H.264)
- Photo resolutions:
  - Wide: 21 MP (84° FOV)
  - Rectilinear: up to 16 MP (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: ≤60 mK
- Measured IR wavelength range: 7.5 to 13 micrometers
- Photo format: JPEG
- Video format: MP4 (H.264)
- Video recording resolution: 1280x720
- Framerate: 9 fps

IMAGE STABILIZATION
- 3-camera IR/EO stabilized gimbal:
  - Hybrid: 3-axis
  - Mechanical: 2-axis roll / pitch
  - Electronics (EIS): 3-axis pitch / roll / yaw
- Controllable gimbal tilt range: -90° to +90°

FAST-CHARGING SMART BATTERY
- Type: High density LiPo (3 x 4.4 V cells)
- Capacity: 3,400 mAh
- Battery life: 32 minutes
- Charging port: USB-C
- Charges in 2h with a USB-PD (Power Delivery) charger
- Weight: 195 g / 0.43 lb.
- Voltage: 11.55 V
- Max charging power: 30 W

PARROT SKYCONTROLLER 3
- Size folded: 94x152x72 mm
- Size unfolded: 153x152x116 mm
- Weight: 283 g / 0.62 lb
- Transmission system: Wi-Fi 802.11a/b/g/n (Wi-Fi beacon)
- Operating frequencies: 2.4 - 5.8 GHz
- Max. transmission distance: 4 km / 2.48 mi
- Resolution of live video feed: HD 720p
- Battery capacity: 2,500 mAh 3.6 V
- Battery life: 2h30 (Android) / 5h30 (iOS)
- Compatible mobile devices: screen size up to 10”
- USB ports: USB-C (charge), USB-A (connection)

PARROT SKYCONTROLLER USA
- Size: 313x208x72 mm
- Size with Microhard unfolded (on MIL): 313x208x173 mm
- Weight: 1.25 kg / 2.76 lbs.
- TAA & NDAA compliant
- Transmission system: Wi-Fi 802.11a/b/g/n (Wi-Fi beacon)
- Operating frequencies: 2.4 - 5.8 GHz
- Max. transmission distance: 5 km / 3.1 mi
- Resolution of live video feed: HD 720p
- 2h charging time for 4h30 battery life
- Based on the 8” Samsung Galaxy Tab A (2019)
- IP53 certified: dust and rain resistant

ANAFI USA MIL MICROHARD
- Model: pDDL1800 1.8 GHz
- TOGA (Tactical Open Government Architecture) compatible
- Foldable antennas
- Range: 5 km / 3.1 mi
- AES 256 encryption
- Additional weight:
  - 25 g on ANAFI USA
  - 40 g on the Skycontroller USA

ECOSYSTEM
- Open Source SDK for Developers
- Extensive Partner Program

Parrot