

Parrot®

BEBOP-PRO THERMAL

ALL-IN-ONE DRONE SOLUTION FOR THERMAL IMAGING



THERMAL IMAGING
FLIR ONE® PRO CAMERA
LIVE STREAMING

25 MIN
FLIGHT TIME
PER BATTERY

32 GB
EXTENDED
MEMORY

MULTIPURPOSE
PHOTO 14MP
VIDEO 1080P FULL HD

SAFE
EASY TO PILOT
AUTO RETURN HOME

FREEFLIGHT THERMAL



PILOT & CAPTURE WITH FREEFLIGHT
THERMAL THE MOBILE APP
FOR THERMAL IMAGING



PARROT BEBOP-PRO THERMAL

THE ALL-IN-ONE QUADCOPTER SOLUTION FOR THERMAL IMAGING

Parrot Bebop-Pro Thermal is a multipurpose quadcopter that allows architects, builders, roofers and real estate agencies to safely carry out inspections with its 2 embedded cameras. With its front camera, the solution enables building professionals to make Full HD videos and take photos of buildings and houses to perform visual inspections.

This easy-to-use drone solution is also equipped with a FLIR ONE Pro that allows architects and roofers to easily capture thermal images of houses and roofs to quickly identify major thermal losses.

The new dedicated FreeFlight Thermal mobile app provides live streaming and recording of both the visual and thermal images. Parrot Bebop-Pro Thermal is a user friendly integrated solution: it is easy to set up, easy to fly with Parrot Skycontroller 2 and easy to repair.

FLY



Parrot Bebop 2 Power 32GB
Parrot Skycontroller 2

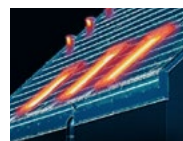
CAPTURE



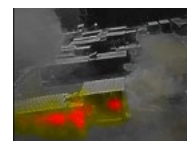
FLIR ONE® Pro
Thermal imaging camera



PROCESS



Dynamic mode



Hot spot detection



Search & Rescue



Standard mode

1 DRONE & 2 MULTIPURPOSE CAMERAS

Parrot Bebop-Pro Thermal is based on the easy-to-use and reliable drone Parrot Bebop 2 Power with an additional battery and increased internal memory.

Parrot Bebop-Pro Thermal is a compact drone equipped with cutting-edge technology, a high-definition camera and a high-capacity battery.

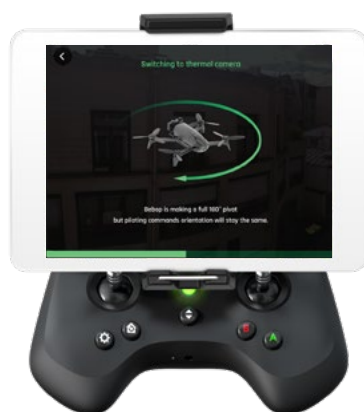
Thanks to an advanced digitally stabilized camera, Parrot Bebop-Pro Thermal is a ready to fly drone.



Visual camera
Full HD 1080p



Thermal camera
FLIR ONE® Pro



Parrot Skycontroller 2
Same controls as Parrot Bebop 2 Power



FLIGHT TIME: 25 MINS



CAMERA:
14 MP - FULL HD



CAMERA STABILIZATION:
3-AXIS DIGITAL CAMERA



INTERNAL MEMORY: 32GB



TRANSMISSION RANGE:
2KM / 1.2 MILES



MAX. SPEED: 40MPH / 65KM/H



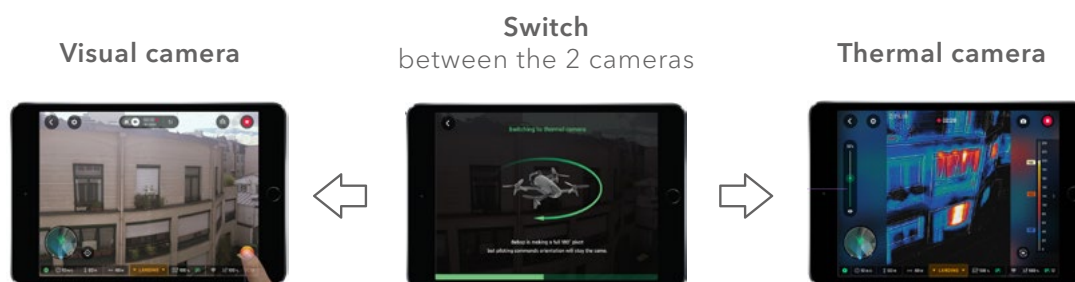
FREEFLIGHT THERMAL



FreeFlight Pro Thermal

FREEFLIGHT THERMAL is the new mobile app dedicated to Parrot Bebop-Pro Thermal. It is available on Google Play Store and is compatible with Android tablets (see list of compatible tablets). FREEFLIGHT THERMAL uses the same interface as FreeFlight Pro adapted for thermal imaging.

- Dedicated mobile app to Parrot Bebop-Pro Thermal, Android only
- Visual photo, video streaming and recording
- Thermal image photo capture and video live streaming.
- Switch between visual camera and thermal camera at any time
- 3 color pallets available to serve different use cases: Standard, Dynamic, Hotspot
- Record and replay thermal videos with the different color pallets and export to a standard video format



3 predefined color pallets to analyze the thermal images differently.



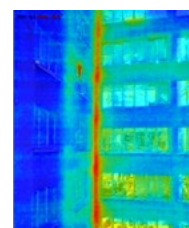
Standard

Absolute temperature
between 10°C-160°C



Hotspot

Highlights hottest
temperature on the scene



Dynamic

Automatic rescaling depending
on the min and max
temperature

TECHNICAL SPECIFICATIONS

PARROT BEBOP-PRO THERMAL

GENERAL

- Visual camera Full HD 1080p
- Thermal imaging: FLIR ONE® Pro thermal imaging camera
- Battery life: 25 minutes flying time (with Power Battery)
- GPS: Yes
- Storage: 32 GB Extended memory
- Weight: 604g
- Range: up to 2km in an interference free and unobstructed environment

RGB CAMERA

- Sensor: CMOS 14 MP
- Optical: 180° fish-eye lens: 1/2.3 aperture
- Video stabilizer: 3-axis digital system
- Video resolution: 1920 x 1080p (30fps)
- Photo resolution: 4096 x 3072 pixels
- Video encoding: H264
- Photo format: JPEG, RAW, DNG
- Internal memory: 32 GB Flash

THERMAL IMAGING CAMERA

- Thermal sensor: Pixel size 12µM, 8 - 14µM spectral range
- Thermal resolution: 160x120
- Visual resolution: 1440x1080
- HFOV / VFOV: 55 ° ± 1 ° / 43 ° ± 1 °
- Frame rate: 8.7Hz
- Focus: Fixed 15cm - Infinity
- Scene dynamic range: -20 °C to 400 °C (-4 °F to 752 °F)
- Accuracy: ±3 °C (5.4 °F) or ±5%, typical percent of the difference between ambient and scene temperature. Applicable 60s after start-up when the unit is within 15 °C to 35 °C (59 °F to 95 °F) and the scene is within 5 °C to 120 °C (41 °F to 248 °F)
- Size: 68mm W x34mm H x14mm D (2.7in x 1.3in x .6in)
- Weight: 36.5g

CONNECTIVITY & PERFORMANCE

- Wi-Fi 802.11a/b/g/n/ac
- Network: MIMO Dual band
- Wi-Fi Aerials: 2.4 and 5 GHz

PARROT SKYCONTROLLER 2

GENERAL CHARACTERISTICS

- Weight: 500 g
- Dimensions: 200 x 180 x 110 mm
- 2 joysticks
- 8 shortcut buttons
- Li-Po battery: 2700 mAh
- Battery life: 240 minutes
- USB plugs
- WiFi MIMO antennas



IN THE KIT :

- 1 Parrot Bebop-Pro Thermal, 1 FLIR ONE® Pro,
- 1 Parrot Skycontroller 2, 3 Power batteries,
- 1 Backpack, 2 chargers



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