





nest

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HAVE BACKBONE

## Specifications

### Hardware

**Main Processor** — Nvidia Tegra X1 (1 TFLOP/s) with powerful Nvidia Maxwell™ architecture, 256 GPU cores, multi-core 64-bit CPU, 4K video capabilities, and more power-efficient performance.

**Flight Controller** — ARM Cortex-M4 with DSP

**GPU** — NVIDIA Maxwell 256-core GPU DX-12, OpenGL 4.5, NVIDIA CUDA®, OpenGL ES 3.1, AEP and Vulkan

**Battery** — 6s, 14.8V

**Connectivity** — 802.11ac WiFi, Bluetooth

### Mechanical

**Aire Chassis** — 12" x 12" x 13" and 12" x 12" x 16" including top/bottom padding.

**Aire Weight** — 3.5 pounds

**Dock Dimensions** - 18" x 18" x 24"

**Dock Weight** — 7 pounds

### Sensors

**Main Camera** — 4K

**Inertial** — (2) accelerometers, (2) gyroscopes, (2) magnetometer

**Localization** — (3) cameras and (1) sonar (height)

**Obstacle Avoidance** — (1) 3D Time of Flight depth camera and (5) sonar sensors (4 sides and upward for detecting ceilings)

### Performance

**Flight Time** — Min 8 minutes (we are working on getting more)

**Default Flight Speed** - 1m/s

**Charge Time** — 30 minutes from empty

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# Design : Sound

*Softening aggression.*

*Standard Quad Drone*

*Aevena Drone*