TALON



SKYFISH

# See More, Understand Better and Decide Quicker

## Professional, non-tablet based remote controller

The Skyfish Talon remote controller delivers unmatched performance, comfort, and reliability for professional drone operations. The Talon is a custom Skyfish-developed system rather than an off-the-shelf tablet, which allows Skyfish to maximize processing power and design flexibility to meet specific customer needs. Talon is designed with its own advanced heat management system, customizable ergonomics, and rugged durability.

## Developed with seasoned pilots

Talon offers a precision-tuned feel for both thumbing and pinching control styles. Its lightweight design, customizable grips, and lanyard compatibility make it practical for long field sessions, while versatile power options (including swappable batteries and USB-C charging) ensure extended use with minimal downtime.

## Seamless processing and power integration

The Talon remote controller is powered by the same NVIDIA processor used in the Skyfish Osprey drone. This shared architecture simplifies interoperability, reduces parts complexity, and streamlines maintenance. By designing our own printed circuit board (PCB), Skyfish delivers a controller free from tablet-based constraints to maximize processing power and enables Skyfish the flexibility to support specific customer design needs.

## Ground remote control

The Talon runs a fully customizable Linux operating system, Talon comes equipped with **Skyfish's enhanced version of QGroundControl** for cellular tower inspections, ISR, and surveying missions, but remains compatible with any Linux-based control software. Ready for deployment in harsh environments (e.g., desert, mountain, humidity), the Talon features a large screen for better situational awareness during missions.
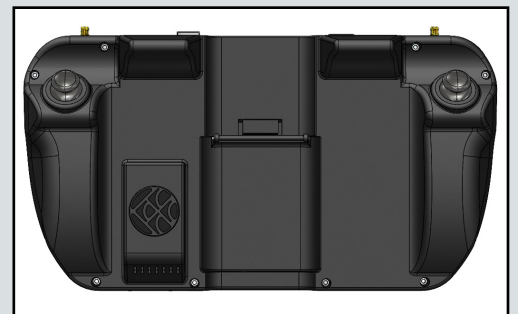
## Made in the USA and NDAA compliant

Based in Missoula, MT, Skyfish designs drones, battery systems, airborne guidance, and ground stations, which provide real-time video and telemetry feeds from the aircraft — all in house. Skyfish is certified Airworthiness Level 3 by U.S. Army DevCom and Green UAS (in process).



Skyfish Talon remote controller front side (R).



Skyfish Talon remote controller front side (L).



Skyfish Talon remote controller back side.

# Technical Specifications

## Form Factor

| | |
|---|---|
| Dimensions | 335mm x 180mm x 100mm (13.2" x 7.1" x 4") |
| Material / Finish | HP Nylon 12 / Black Finish |
| Weight | 1.1 kg (2.5 lb) |
| Thickness (w/o joysticks) | 81mm (3.2") |
| **HUMAN INTERFACES:** | |
| Joysticks | 4 2-Axis joysticks (adds 20mm thickness) |
| Switches | 6 switches with customizable functions (camera shutter trigger, setting flight modes, RTL, etc.) |
| Touchscreen | Yes |
| Harness | Hanging vertical, hanging horizontal |

## Screen

| | |
|---|---|
| Resolution (px) | 1920 x 1200 px |
| Dimensions (in") | 8" screen (131.6 x 202.0 mm) |
| Luminance | 500 cd/m2 |

## Software

| | |
|---|---|
| Base OS | Linux |
| Pre-installed | Skyfish-customized QGroundControl |

## Electrical

| | |
|---|---|
| Connections (Ports available) | Ethernet, USB 3.0 |
| Suggested accessories | USB Hub, Mouse, Keyboard |
| Heat management | Forced air cooled computer and radio |
| Radio frequency | 1.6GHz-2.5GHz / 3.2GHz-4.8GHz |

## Battery

| | |
|---|---|
| Weight | 0.23 kg (0.5 lb) |
| Dimensions | 85mm x 77mm x 23mm (3.35" x 3.03" x 0.91") |
| Charge | Onboard (USB-PD), optional external charger |
| Battery life | 3 hrs |
| **CHARGING STATION:** | |
| Ports available | 2 sequentially charging ports |
| Dimensions | 125mm x 121mm x 55mm (4.92" x 4.76" x 2.17") |
| Power connectors | Wall adapter |



Skyfish Osprey drone with the Sony LR1 – test flying in Montana.



Skyfish Osprey drone with the Raptor – test flying in Montana.



Skyfish manufacturing facility in Stevensville, Montana.