

# Drone Security Check Report

## System Information

Username: xxx

Drone Manufacture: DJI

Drone IP: 192.168.1.6

Network Interface: wlan0

Open Ports: .!ctkframe11.!ctktextbox

Kernel Version: 5.4.0-88-generic

## Security Issues

### SSH Brute Force on Drone:

**Founded Password:kali**

**Connection to SSH: ssh @192.168.1.6**

**SSH brute force is a method of attempting to gain unauthorized access to the drone's system by trying many passwords until the correct one is found.**

**Mitigation: Use strong, unique passwords, implement SSH key-based authentication, and use tools like fail2ban to block repeated failed login attempts.**

### Drone Instruction Injection:

**Drone instruction injection is a type of attack where an attacker injects malicious instructions into the commands sent to the drone, potentially gaining unauthorized control.**

**Mitigation: Encrypt communications between the controller and the drone,**

**implement secure authentication mechanisms, and regularly update drone firmware to patch known vulnerabilities.**