Title!!!!!!!!!

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ABSTRACT

Abstract here

Categories and Subject Descriptors

H.4 [**Input/Output and Data Communications**]: Data Communication Devices

General Terms

Theory

Keywords

Drone, Remote Control

1. INTRODUCTION

What is UAV

Many many

Control methods

We focus on radio and Wi-Fi

2. ATTACK ON THE AR.DRONE 2.0

2.1 Technical Specification

The AR.Drone 2.0 uses an OMAP 3630 CPU. This processor is based upon a 32 bit ARM Cortex A8 and runs with 1 GHz, it also uses a PowerVR SGX530 GPU with a frequency of 800 MHz on the System on a Chip (SoC) constructed by Texas Instruments. [1, 2]

Parrot AR.FreeFlight control interface with two control buttons and a take off button for starting or landing the drone(Graph)

2.2 Interception of video signals

Port,format,how

2.3 Highjack Attack

2.3.1 AT Commands

The fact that the port 5556 (ATCMD) uses UDP and is therefore not a stable connection like TCP, a system with ascending sequence numbers has been selected for the commands. This prevents older commands with lower sequence numbers incoming later (due to transmission errors) from executing.

2.3.2 Attack Process

1. Connect

2. Sniff

3. Send packet

2.3.3 Using Android Device to Conduct Attack

Design an Android App

3. ATTACK ON HUBSAN BLABLABLA

//TODO

4. DISCUSSIONS

gugugu

5. CONCLUSIONS

We..... and....., however... it's..... great!

6. ACKNOWLEDGMENTS

Thank you, you and You!

7. REFERENCES

[1] J. Pleban, R. Band, and R. Creutzburg. Hacking and securing the ar.drone 2.0 quadcopter - investigations for improving the security of a toy. 01 2014.

[2] F. Samland, J. Fruth, M. Hildebrandt, T. Hoppe, and J. Dittmann. Ar.drone: Security threat analysis and exemplary attack to track persons. *Proceedings of SPIE - The International Society for Optical Engineering*, 8301:15–, 01 2012.