Acenav User Manual v1.0

Document Revision	Description	Author	Date
V1.0	Initial	RD	08/06/2021

contents

1. working environment

- Windows10: python 3.7
- Mac OS: python 3.7
-Ubuntu: python 3.7

2. Install the dependency library

It is better to create a virtual environment before to do it.

```bash
$ pip install -r requirements.txt
```

3. Install pcap api library(`optional`)

Because we try to support INS401 a new device from Aceinna. It would use 100BASE-T1 ether-net, and the data transfer is in low-level of network, so we need help of pcap api. Actually, we integrated `scapy` in our project. The pcap api library is the dependency of `scapy`. If you are using a INS401 device, please also install the library based on your platform.

Platform	Libraray	Reference
Windows	`npcap`	https://scapy.readthedocs.io/en/latest/installation.html#windows
Ubuntu	`tcpdump`	https://scapy.readthedocs.io/en/latest/installation.html#debian-ubuntu-fe-dora
Mac	`libpcap`	https://scapy.readthedocs.io/en/latest/installation.html#mac-os-x

4. execute command

Windows:

python main.py

MacOS:
python main.py

Ubuntu:
su

sudo chmod a+x main.py

python main.py

5. parse command

Windows:
python main.py parse -p logs directory

MacOS:
python main.py parse -p logs directory

Ubuntu:
su

sudo chmod a+x main.py

python main.py parse -p logs directory

eg: python main.py parse -p D:\acenav\data\ins401_log_20210812_102142