

pyulog 설치

python : ver 3.8.10 (<https://www.python.org/downloads/release/python-3810/>)

(설치시 add PATH 체크 필수)

pyulog : <https://github.com/PX4/pyulog>

(pyulog python 버전 확인)

1. 경로설정(pyulog 설치 폴더 내)

```
C : \ W I N D O W S \ s y s t e m 3 2 > c d
C:\Users\jhpar\Documents\MATLAB\pyulog-master\pyulog-master
```

2. pyulog 설치 : python setup.py build install

```
C:\Users\jhpar\Documents\MATLAB\pyulog-master\pyulog-master>python setup.py
build install
```

```
running build
running build_py
creating build
creating build\lib
creating build\lib\pyulog
copying pyulog\core.py -> build\lib\pyulog
copying pyulog\extract_gps_dump.py -> build\lib\pyulog
copying pyulog\info.py -> build\lib\pyulog
copying pyulog\messages.py -> build\lib\pyulog
copying pyulog\params.py -> build\lib\pyulog
copying pyulog\px4.py -> build\lib\pyulog
copying pyulog\ulog2csv.py -> build\lib\pyulog
copying pyulog\ulog2kml.py -> build\lib\pyulog
copying pyulog\_version.py -> build\lib\pyulog
copying pyulog\__init__.py -> build\lib\pyulog
creating build\lib\test
copying test\test_ulog2csv.py -> build\lib\test
copying test\__init__.py -> build\lib\test
UPDATING build\lib\pyulog\_version.py
set build\lib\pyulog\_version.py to '0.9.0'
running install
running bdist_egg
running egg_info
creating pyulog.egg-info
writing pyulog.egg-info\PKG-INFO
writing dependency_links to pyulog.egg-info\dependency_links.txt
writing entry points to pyulog.egg-info\entry_points.txt
writing requirements to pyulog.egg-info\requires.txt
writing top-level names to pyulog.egg-info\top_level.txt
writing manifest file 'pyulog.egg-info\SOURCES.txt'
adding license file 'LICENSE.md' (matched pattern 'LICEN[CS]E*')
reading manifest file 'pyulog.egg-info\SOURCES.txt'
reading manifest template 'MANIFEST.in'
writing manifest file 'pyulog.egg-info\SOURCES.txt'
installing library code to build\bdist.win-amd64\egg
running install_lib
creating build\bdist.win-amd64
creating build\bdist.win-amd64\egg
creating build\bdist.win-amd64\egg\pyulog
copying build\lib\pyulog\core.py -> build\bdist.win-amd64\egg\pyulog
copying build\lib\pyulog\extract_gps_dump.py -> build\bdist.win-amd64\egg\pyulog
copying build\lib\pyulog\info.py -> build\bdist.win-amd64\egg\pyulog
copying build\lib\pyulog\messages.py -> build\bdist.win-amd64\egg\pyulog
copying build\lib\pyulog\params.py -> build\bdist.win-amd64\egg\pyulog
copying build\lib\pyulog\px4.py -> build\bdist.win-amd64\egg\pyulog
copying build\lib\pyulog\ulog2csv.py -> build\bdist.win-amd64\egg\pyulog
copying build\lib\pyulog\ulog2kml.py -> build\bdist.win-amd64\egg\pyulog
copying build\lib\pyulog\_version.py -> build\bdist.win-amd64\egg\pyulog
copying build\lib\pyulog\__init__.py -> build\bdist.win-amd64\egg\pyulog
creating build\bdist.win-amd64\egg\test
copying build\lib\test\test_ulog2csv.py -> build\bdist.win-amd64\egg\test
copying build\lib\test\__init__.py -> build\bdist.win-amd64\egg\test
byte-compiling build\bdist.win-amd64\egg\pyulog\core.py to core.cpython-38.pyc
byte-compiling build\bdist.win-amd64\egg\pyulog\extract_gps_dump.py to
```



```

sys_toolchain: GNU GCC
sys_toolchain_ver: 7.3.1 20180622 (release) [ARM/embedded-7-branch revision 261907]
sys_uuid: 00020000000031313733333851100019002d
time_ref_utc: 0
ver_hw: PX4_FMU_V5
ver_hw_subtype: V500
ver_sw: 106905871d374c125730fe675266d67c7f869469
ver_sw_branch: stable
ver_sw_release: 17367552
Info Multiple Messages: [perf_counter_postflight: 1], [perf_counter_preflight: 1], [perf_top_postflight: 1],
[perf_top_preflight: 1]

```

Name (multi id, message size in bytes)	number of	data points, total bytes
actuator_controls_0 (0, 48)	1389	66672
actuator_outputs (0, 76)	1389	105564
actuator_outputs (1, 76)	1389	105564
battery_status (0, 83)	282	23406
battery_status (1, 83)	282	23406
cpuload (0, 16)	142	2272
ekf2_innovations (0, 164)	696	114144
ekf2_timestamps (0, 22)	37439	823658
ekf_gps_drift (0, 21)	36	756
estimator_status (0, 268)	696	186528
home_position (0, 47)	1	47
input_rc (0, 69)	696	48024
manual_control_setpoint (0, 67)	696	46632
mission (0, 15)	1	15
mission_result (0, 32)	8	256
position_setpoint_triplet (0, 320)	11	3520
rate_ctrl_status (0, 36)	4457	160452
sensor_combined (0, 44)	37455	1648020
sensor_preflight (0, 20)	6	120
sensor_selection (0, 24)	1	24
system_power (0, 23)	282	6486
telemetry_status (0, 47)	221	10387
trajectory_setpoint (0, 76)	693	52668
vehicle_air_data (0, 24)	3002	72048
vehicle_attitude (0, 53)	4455	236115
vehicle_attitude_setpoint (0, 58)	1380	80040
vehicle_command (0, 52)	6	312
vehicle_global_position (0, 68)	696	47328
vehicle_gps_position (0, 101)	1412	142612
vehicle_land_detected (0, 17)	146	2482
vehicle_local_position (0, 155)	1389	215295
vehicle_local_position_setpoint (0, 76)	1380	104880
vehicle_magnetometer (0, 20)	6003	120060
vehicle_rates_setpoint (0, 32)	4456	142592
vehicle_status (0, 52)	144	7488
vehicle_status_flags (0, 38)	144	5472
ypd_ipt (0, 32)	6003	192096
ypd_nav (0, 154)	14107	2172478