- 1、解压 "ouster_pps_apollo_v6_edu_v1_20210813.tgz",在 apollo 中添加文件和内容如下: a,将文件夹"ouster"拷贝到 apollo 的 "modules/drivers/lidar"目录下:
 - b,将文件"ouster_config.proto"和"ouster.proto"拷贝到 apollo 的
- "modules/drivers/lidar/proto"目录下;
- c,在文件"modules/drivers/lidar/proto/BUILD"中增加 ouster 内容,具体参见"BUILD"文件和图 1 的红框部分。

v6.0 edu/apollo/modules/drivers/lidar/proto/BUILD 2021年08月13日上午11时38分03秒上午 3,423 bytes Everything 131 132 ##ouster py proto library(333 name = "ouster_py_pb2", 134 deps = [135 ":ouster_proto", 136 "//modules/common/proto:header_py_pb2", 137 138 130 140 141 proto library(name = "ouster_proto", srcs = ["ouster.proto"], 142 143 144 "//modules/common/proto:header_proto", 145 146 147 148 149 cc proto library(name = "ouster cc proto", 150 151 deps = [":ouster proto", 152 153 154 155 proto library(156 name = "ouster_config_proto", 157 srcs = ["ouster config.proto"], 158 deps = [159 ":ouster_proto", 160 161 162 163 164 cc proto library(165 name = "ouster_config_cc_proto", deps = [166 ":ouster_config_proto", 167 1, 168 169 178 proto library(171 name = "config_proto_lib", 172 srcs = [173 "config.proto", 174 175 176 deps = [":ouster config proto" 177 ":hesai config proto" 178

d,在文件"modules/drivers/lidar/proto/config.proto"中增加 ouster 内容,具体参见 "config.proto"文件和图 2 的红框部分。

```
v6.0 edu/apollo/modules/drivers/lidar/proto/config.proto
2021年08月11日下午 08时32分44秒下午 641 bytes Everything Else
  1 syntax = "proto2";
  2
    package apollo.drivers.lidar;
  4
  5 import "modules/drivers/lidar/proto/hesai config.proto";
  6 import "modules/drivers/lidar/proto/velodyne_config.proto";
  7 import "modules/drivers/lidar/proto/lidar parameter.proto";
  8 import "modules/drivers/lidar/proto/robosense config.proto";
    import "modules/drivers/lidar/proto/ouster config.proto";
 10
 11 message config {
        optional LidarParameter.LidarBrand brand = 1;
 12
         optional apollo.drivers.hesai.Config hesai = 2;
 13
         optional apollo.drivers.robosense.Config robosense = 3;
 14
         optional apollo.drivers.velodyne.Confiq velodyne = 4;
 15
16
        optional apollo.drivers.ouster.Config ouster = 5;
 17 }
```

图 2

- 2、修改 "ouster/conf/ouster128.pb.txt"中的配置,"udp_dest_host"是工控机的 IP, "hostname"为 Lidar 的 IP。
- 3、"apollo.sh build_opt_gpu"编译成功后启动 "cyber_launch start /apollo/modules/drivers/lidar/ouster/launch/ouster128.launch",然后通过 cyber 中查看相关的输出信息。