CCD 数据通信协议

服务端：模头上位机

A 面服务端 IP：192.168.50.101

B 面服务端 IP：192.168.50.102

服务端端口：6005

编码：UTF8

协议：MQTT 或 TCP

客户端：CCD

通信格式： \u0002DataJson\u0003

\u0002 为数据起始标志符，\u0003 为数据结束标志符

DataJson 字段：

字段名	参数简称	数据类型
Side	AB 面,A 面=A，AB 面=AB	String
TotalFilmWidth	总膜宽	Double
PolarityMeasure	测量极耳 数组	Double[]
CeramicsMeasure	测量陶瓷 数组	Double[]
FilmWidthMeasure	测量膜宽 数组	Double[]
PolaritySetting	设定极耳 数组	Double[]
CeramicsSetting	设定陶瓷 数组	Double[]

FilmWidthSetting	设定膜宽 数组	Double[]
PolarityTolerance	设定极耳公差 数组	Double[]
CeramicsTolerance	设定陶瓷公差 数组	Double[]
FilmWidthTolerance	设定膜宽公差 数组	Double[]

把字段转换成 json 后，发送到 TCP 客户端

数组内容顺序从左到右

数据示例（1 个膜区）

{"CeramicsMeasure":[12.3,12.1],"CeramicsSetting":[12,12],"CeramicsTolerance":[0.5,0.5],"FilmWidthMeasure":[970.1],"FilmWidthSetting":[970],"FilmWidthTolerance":[1],"PolarityMeasure":[52.9,52.8],"PolaritySetting":[53,53],"PolarityTolerance":[0.8,0.8],"Side":"A","TotalFilmWidth":1100}

数据示例（3 个膜区）

{"CeramicsMeasure":[10.1,9.8,10.1,10.2,9.9,10],"CeramicsSetting":[10,10,10,10,10,10],"CeramicsTolerance":[0.5,0.5,0.5,0.5,0.5,0.5],"FilmWidthMeasure":[280.2,279.8,280.1],"FilmWidthSetting":[280,280,280],"FilmWidthTolerance":[1,1,1],"PolarityMeasure":[33.1,66.1,66.1,33.1],"PolaritySetting":[33,66,66,33],"PolarityTolerance":[1,1,1,1],"Side":"A","TotalFilmWidth":1100}