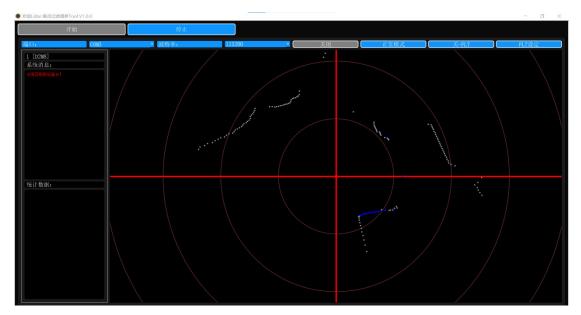
噪点过滤调参 Tool V1.0.3R

一,功能概述:

通过参数设定,以获得最佳点云显示,为 Toolkit 的各场景参数的应用助益



二,参数配置文件:

1,点击 FLT设定 ,打开参数配置文件

画 fit.ini・记事本 文件(F) 編題(E) 格式(O) 査石(V) 帮助(H) [FLT_Lidar_Model] sFltLidarModel = "D2M8"

2,参数功能说明

nPtOfLineMin;

[注释说明] #fltgbl_Setting fFacAdjHSpd; //杂点滤除平衡系数-高转速 fFacAdjLSpd; //杂点滤除平衡系数-低转速 bFltRayLOn; //true: RavLine Flt on, false:Off bFlt1DotOn; //true: 1 Dot Flt on, false:Off bFlt2DotOn; //true: 2 Dots Flt on, false:Off, active in strong-light region nFltNDotOn; //N>2: N Dots Flt on, 0: Off, active in strong-light region nActDist; //整体作用域 (单位: mm) dActScopeSt; //(0-360)Action is limited in the region of st-end,if dActScopeSt == dActScopeEnd mean the angle-limitation is invalid dActScopeEnd; //(0-360)Action is limited in the region of st-end,if dActScopeSt == dActScopeEnd mean the angle-limitation is invalid bScopeSmallls; //true: acting in small region between dActScopeSt and dActScopeEnd, false: acting in big region between dActScopeSt and dActScopeEnd bPtActiveSt; //true or false, Valid Point Flag Setting nHalogenGrayThres; //bGrayTwoByte==true: 7000, bGrayTwoByte==false: 255 nSharkGrayThres; //bGrayTwoByte==true:400, bGrayTwoByte==false:50 nAngExtent; //(+ Center -),Range,degree #fltLParas nActDist; //mm,Ray-line 滤除有效范围,如600mm nCirCenFld: //mm,射线到原点距离阈值,如65mm nPtToLineMin; //mm,同一直线点的距离阈值,如3mm

3, 点滤除及通用参数:[fltgbl_Setting] 射线状点云滤除参数:[fltLParas] 平衡系数调整 (噪点滤除&有效点保留)

//点->线最小点数阈值

fFacAdjHSpd; //杂点滤除平衡系数-高转速 fFacAdjLSpd; //杂点滤除平衡系数-低转速

4, 工作模式选择

[FLT_Work_Type]

nFltWorkType = 2

 $nFltWorkType \\ \{FLT_NORMAL=0, FLT_STRONGLIGHT_AND_OFF=1, FLT_STRONGLIGHT_AND_NORMAL=2, FLT_NOTHING=3\}; \\ nShadowWorkType \\ \{PILLAR_GAP_CLEAR=0, PILLAR_GAP_SMOOTH=1, PILLAR_GAP_REP_=2, PILLAR_GAP_NOTHING=3\}; \\ nShadowWorkType \\ \{PILLAR_GAP_NOTHING=3, PILLAR_GAP_NOTHING=3, PILLAR_G$

Flt_NORMAL: 常规场景滤除起效

F1t_STRONGLIGHT_AND_OFF: 强光区域滤除起效,此时非强光区域不做滤除

Flt_STRONGLIGHT_AND_NORMAL: 强光区域滤除起效,非强光区域'常规场景滤除'起效

FLT PILLAR GAP: Shadow Gap 畸变清除处理

四,雷达型号切换:

■ flt.ini - 记事本

文件(F) 编辑(E) 格式(O) 查看(V) 帮助(H)

[FLT Lidar Model]

sFltLidarModel = "D2M8"

五,回充识别范围设定

- a, 回充识别最远距离设定<nDetDistMax>
- b, 识别功能区角度范围设定〈dActScopeSt, ddActScopeEnd〉;

<0,0>则整圈范围内回充识别;

c, <bScopeSmallIs> true: <dActScopeSt, ddActScopeEnd>小角度范围内识别; False: <dActScopeSt, ddActScopeEnd>大角度范围内识别;

六,基本操作说明:

1, Flt.ini 的配置调整后,保存文件,点击[开始]按钮,使配置起效

开始

2, 功能开启、关闭, 实时起效



3,端口选择

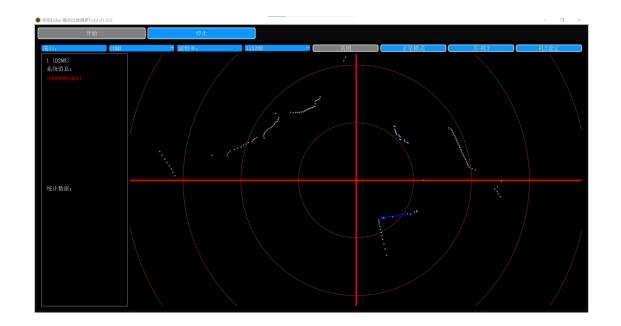
端口:	COM3
	COM3

4,波特率选择

波特率:	115200
	115200
	150000
	230400

六,滤除示例

噪点滤除关



噪点滤除开

