SDK 测试报告

测试结果的三种状态：

Pass：测试通过

Fail：测试失败

NA:接口不确定或者现有 demo 上没有

RapidScan						
API Name	Envelop	Payload	Type	Pro+	Pro	2X
Device check	v1.0/device/check	REQ:None REP:Int Bool	Request Get	Pass	Pass	Pass
Heartbeat	v1.0/hb	None	Publish	Pass	Pass	Pass
Shared memory	v1.0/scan/register	String	Request	Pass	Pass	Pass
	v1.0/scan/unregister	String	Request	Pass	Pass	Pass
~~Asynchronous actions~~	v1.0/begin AsyncACtion	JSON	Publish	NA	NA	NA
	v1.0/progress	Int	Publish	NA	NA	NA
	v1.0/finish AsyncACtion	JSON	Publish	NA	NA	NA
Scan distance	v1.0/scan/dist	Int	Publish	Pass	Pass	Pass
	v1.0/scan/dist	REQ: None REP: Int	Request Get	Pass	Pass	Pass
Framerate	v1.0/scan/framerate	Int	Publish	Pass	Pass	Pass
	v1.0/scan/framerate	REQ: None REP: Int	Request Get	Pass	Pass	Pass
Marker count	v1.0/scan/markerCount	Int	Publish	Pass	Pass	Pass
	v1.0/scan/markerCount	REQ: None REP: Int	Request Get	Pass	Pass	Pass
Point count	v1.0/scan/pointCount	Int	Publish	Pass	Pass	Pass
	v1.0/scan/pointCount	REQ: None REP: Int	Request Get	Pass	Pass	Pass
Triangle count in fix mode	v1.0/scan/triangeCount	Int	Publish	Pass	Pass	Pass
	v1.0/scan/triangleCount	REQ: None REP: Int	Request Get	Pass	Pass	Pass
Scan status	v1.0/scan/status	String	Publish	Pass	Pass	Pass
	v1.0/scan/status	REQ: None REP: Int	Request Get	Pass	Pass	Pass
No markers detected	v1.0/scan/noMarkerDetected	Int Bool	Publish	NA	Pass	Pass
	v1.0/scan/noMarkerDetected	REQ: None REP: Int Bool	Request Get	NA	Pass	Pass

Tool flat	v1.0/scan/tooFlat	Int Bool	Publish	Pass	Pass	Pass
	v1.0/scan/tooFlat	REQ: None REP: Int Bool	Request Get	Pass	Pass	Pass
Track lost	v1.0/scan/manual Align	Int Bool	Publish	Pass	Pass	Pass
	v1.0/scan/manual Align	REQ: None REP: Int Bool	Request Get	Pass	Pass	Pass
Enter scan	v1.0/scan/enterSc an	REQ: String REP: Int Bool	Request	Pass	Pass	Pass
Exit scan	v1.0/scan/exitScan	REQ: None REP: Int Bool	Request	Pass	Pass	Pass
Create new project	v1.0/scan/newProj ect	REQ: Json REP: Int Bool	Request Get	Pass	Pass	Pass
Open project	v1.0/scan/openProj ject	REQ: String REP: Int Bool	Request Get	Pass	Pass	Pass
Control Scanning(pre/start /pause/resume)	v1.0/scan/control	REQ: JSON REP: Int Bool	Request	Pass	Pass	Pass
End scanning	v1.0/scan/endScan	REQ: JSON REP: Int Bool	Request	Pass	Pass	Pass
Cancel scanning	v1.0/scan/cancelSc an	REQ: JSON REP: Int Bool	Request	Pass	Pass	Pass
Mesh/Wrap the point cloud	v1.0/scan/mesh	REQ: JSON REP: Int Bool	Request	Pass	Pass	Pass
Save mesh to disk	v1.0/scan/save	REQ: JSON REP: Int Bool	Request	Pass	Pass	Pass
Last simplification params	v1.0/scan/lastSimp lifyParams	JSON	Publish	NA	NA	NA
	v1.0/scan/lastSimp lifyParams	REQ:None REP:JSON	Request Get	NA	NA	NA
Scan alignment type	v1.0/scan/alignTyp e	String	Publish	Pass	Pass	Pass
	v1.0/scan/alignTyp e	REQ:None REP:String	Request Get	Pass	Pass	Pass
~~Path of last saved project~~	v1.0/scan/lastProj ectSavePath	String	Publish	NA	NA	NA
	v1.0/scan/lastProj ectSavePath	REQ:None REP:String	Request Get	NA	NA	NA
Last resize params for saving	v1.0/scan/lastSave ResizeParams	JSON	Publish	NA	NA	NA
	v1.0/scan/lastSave ResizeParams	REQ:None REP:JSON	Request Get	NA	NA	NA
Is mesh data water tigh	v1.0/scan/isMesh DataWaterTight	REQ:None REP:Int	Request Get	Pass	Pass	Pass

API Name	Envelop	Payload	Type	Pro+	Pro	2X
~~Predefined resolution values~~	v1.0/scan/resolutionValues	Json	Publish	NA	NA	NA
	v1.0/scan/resolutionValues	REQ:None REP:JSON	Request Get	NA	NA	NA
Smooth	v1.0/scan/smooth	REQ:None REP:Int	Request Get	Pass	Pass	Pass
Sharp	v1.0/scan/sharp	REQ:JSON REP:Int	Request Get	Pass	Pass	Pass

FixScan

API Name	Envelop	Payload	Type	Pro+	Pro	2X
Has turnable	v1.0/scan/hasTurnable	Int Bool	Publish	Pass	Pass	Pass
	v1.0/scan/hasTurnable	REQ:None REP:Int Bool	Request Get	Pass	Pass	Pass
	v1.0/scan/hasTurnable	REQ:Int Bool REP:Int Bool	Request Set	Pass	Pass	Pass
Scan sub-type	v1.0/scan/subType	String	Publish	Pass	Pass	Pass
	v1.0/scan/subType	REQ:None REP:String	Request Get	Pass	Pass	Pass
	v1.0/scan/subType/set	REQ:String REP:Int Bool	Request Set	Pass	Pass	Pass

Calibration

API Name	Envelop	Payload	Type	Pro+	Pro	2X
Enter calibration	v1.0/cali/enter	REQ:None REP:Int Bool	Request	pass	pass	pass
Exit calibration	v1.0/cali/exit	REQ:None REP:Int Bool	Request	pass	pass	pass
Calibration time	v1.0/cali/time	Int LL	Publish	pass	pass	pass
	v1.0/cali/time	REQ:None REP:Int LL	Request Get	pass	pass	pass
Snap enabled	v1.0/cali/snapEnabled	Int Bool	Publish	pass	pass	pass
	v1.0/cali/snapEnabled	REQ:None REP:Int Bool	Request Get	pass	pass	pass
	v1.0/cali/snapEnabled/set	REQ:Int Bool Rep:Int Bool	Request Set	pass	pass	pass
Calibration type	v1.0/cali/type	String	Publish	pass	pass	pass
	v1.0/cali/type	REQ:None REP:String	Request Get	pass	pass	pass
	v1.0/cali/type/set	REQ:String REP:Int Bool	Request Set	pass	pass	pass
Calibration group	v1.0/cali/currentCaliG	Int	Publish	pass	pass	pass

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	roup			pass	pass	pass
	v1.0/cali/currentCaliGroup	REQ:None REP:Int	Request Get	pass	pass	pass
	v1.0/cali/currentCaliGroup/set	REQ:Int REP:Int Bool	Request Set	pass	pass	pass
Calibration distance	v1.0/cali/currentCaliDist	Int	Publish	pass	pass	pass
	v1.0/cali/currentCaliDist	REQ:None REP:Int	Request Get	pass	pass	pass
Calibration distance states	v1.0/cali/caliDistStates	JSON	Publish	NA	NA	NA
	v1.0/cali/caliDistStates	REQ:None REP:JSON	Request Get	NA	NA	NA

PostDataProcess

API Name	Envelop	Payload	Type	Pro+	Pro	2X
Zoom	v1.0/scan/zoom	REQ:JSON REP:Int	Request Get	pass	pass	pass
Scan type	v1.0/scan/type	String	Publish	NA	NA	NA
	v1.0/scan/type	REQ:None REP:String	Request Get	NA	NA	NA
Upate Firmware	v1.0/scan/updatefirm	REQ:None REP:Int	Request Get	pass	pass	pass
Mesh data has marker	v1.0/scan/meshDataHasMarker	REQ:None REP:Int	Request Get	pass	pass	pass
Is mesh data water tight	v1.0/scan/isMeshDataWaterTight	REQ:None REP:Int	Request Get	pass	pass	pass
Edit fill hole	v1.0/scan/editFillHole	REQ:JSON REP:Int	Request Get	pass	pass	pass
Apply fill hole	v1.0/scan/applyFillHole	REQ:None REP:Int	Request Get	pass	pass	pass
Get all hole info	v1.0/scan/getAllHoleInfo	REQ:None REP:Int	Request Get	Fail	Fail	Fail
Load model	v1.0/scan/loadModel	REQ:String REP:Int	Request Get	pass	pass	
Enter post data process	v1.0/scan/enterPostDataProcess	REQ:None REP:Int	Request Get	pass	pass	pass
Exit post data process	v1.0/scan/exitDataPostProcess	REQ:None REP:Int	Request Get	pass	pass	pass
Clear mesh data	v1.0/scan/clearMeshData	REQ:None REP:Int	Request Get	NA	NA	NA
Rebuild texture map	v1.0/scan/rebuildTextureMap	REQ:Bool REP:Int	Request Get	NA	NA	NA

Start post process mode	v1.0/scan/startPostProcessMode	REQ:None REP:Int	Request Get	pass	pass	pass
Stop post process mode	v1.0/scan/stopPostProcessMode	REQ:None REP:Int	Request Get	pass	pass	pass
Restore raw mesh data	v1.0/scan/restoreRawMeshData	REQ:None REP:Int	Request Get	NA	NA	NA
Cancel manul align	v1.0/scan/cancelManulAlign	REQ:JSON REP:Int	Request Get	NA	NA	NA

问题：

1、后处理模块补洞相关的接口不稳定。

2、后处理未测试的接口比较多（原因：接口不确定或者现有 demo 上没有）。

3、固定转台扫描的框架点模式未测试（原因：需要根据设备的语言来判断是否能新建框架点工程，当前的 SDK 未对设备语言进行区分）。

总结：

达到可发布标准。