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/manualAlign | Int Bool | Publish | Pass | Pass | Pass |
| v1.0/scan/manualAlign | REQ: None REP: Int Bool | Request Get | Pass | Pass | Pass |
| Enter scan | v1.0/scan/enterScan | 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/newProect | REQ: Json REP: Int Bool | Request Get | Pass | Pass | Pass |
| Open project | v1.0/scan/openProject | 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/cancelScan | 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/lastSimplifyParams | JSON | Publish | NA | NA | NA |
| v1.0/scan/lastSimplifyParams | REQ:None REP:JSON | Request Get | NA | NA | NA |
| Scan alignment type | v1.0/scan/alignType | String | Publish | Pass | Pass | Pass |
| v1.0/scan/alignType | REQ:None REP:String | Request Get | Pass | Pass | Pass |
| ~~Path of last saved project~~ | v1.0/scan/lastProjectSavePath | String | Publish | NA | NA | NA |
| v1.0/scan/lastProjectSavePath | REQ:None REP:String | Request Get | NA | NA | NA |
| Last resize params for saving | v1.0/scan/lastSaveResizeParams | JSON | Publish | NA | NA | NA |
| v1.0/scan/lastSaveResizeParams | REQ:None REP:JSON | Request Get | NA | NA | NA |
| Is mesh data water tigh | v1.0/scan/isMeshDataWaterTight | REQ:None REP:Int | Request Get | Pass | Pass | Pass |
| ~~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/currentCaliGroup | Int | Publish | 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。