

目录结构

- └── Resources //资源目录
- └── components //组件
 - └── board-component //白板组件
 - └── live-room //直播组件
 - └── rtc-room //多人音视频通话组件，使用移动直播方案
 - └── sketchpad /画板组件，没有用到
 - └── webrtc-room //多人音视频通话组件，使用实时音视频方案
- └── debug-tools //调试工具
 - └── play //播放页面
 - └── rtplay //低延时播放页面
 - └── push //推流页面
 - └── push-config //推流设置页面
 - └── rtc-room-demo //使用rtc-room的demo示例
 - └── room //房间页面
 - └── roomlist //房间列表页面
 - └── roomname //新建房间页面
- └── live-room-demo //使用live-room的demo示例
 - └── room //房间页面
 - └── roomlist //房间列表页面
 - └── roomname //新建房间页面
- └── main //首页
- └── readme.md //文档
- └── tencent-tic-demo //互动课堂，使用webrtc-room
 - └── classlist //房间列表
 - └── classroom //房间页面
- └── webrtc-room-demo //使用webrtc-room的demo示例
- └── room //房间页面
- └── join-room-by-id //进房间页面

组件使用说明

live-room组件

属性

属性	类型	默认值	说明
role	String	'audience'	必要，角色，是主播presenter还是观众audience
roomid	String	"	必要，房间id
roomname	String	"	必要，房间名
debug	Boolean	false	可选，是否打开log
template	String	'float'	必要，模版名，live-room只有float这种类型
beauty	Number	5	可选，美颜，取值范围 0-9，0 表示关闭
muted	Boolean	false	可选，是否静音，指推流
pureaudio	Boolean	false	可选，是否纯音频推流

接口

函数名	说明
start()	启动
pause()	暂停
resume()	恢复
stop()	停止
requestJoinPusher()	请求连麦，适用于audience
respondJoinReq(agree:Boolean, audience:Object)	同意连麦，适用于presenter
switchCamera()	切换摄像头

叠加图标实现

live-room组件提供两个 节点，用于承载组件引用时提供的子节点。slot名分别为caster（主播），audience（观众）。

```
<view class='container-box'>
```

```

<live-room id="id_liveroom" wx:if="{{showLiveRoom}}" roomid="{{roomId}}"
role="{{role}}" roomname="{{roomName}}" pureaudio="{{pureAudio}}" debug="{{debug}}"
muted="{{muted}}" beauty="{{beauty}}" template="float"
bindRoomEvent="onRoomEvent">
  <!-- 主播推流界面上叠加的操作按钮 -->
  <cover-view slot="caster" style='height:100%;width:100%'>
    <cover-view class="operate">
      <cover-view class='img-box'>
        <cover-image class='img-view' src='/pages/Resources/camera.png'
bindtap="changeCamera"></cover-image>
      </cover-view>
      <cover-view class='img-box'>
        <cover-image class='img-view' src='/pages/Resources/{{beauty > 0?
"beauty" : "beauty-dis"}}.png' bindtap="setBeauty"></cover-image>
      </cover-view>
      <cover-view class='img-box'>
        <cover-image class='img-view' src='/pages/Resources/{{debug?
"log" : "log2"}}.png' bindtap="showLog"></cover-image>
      </cover-view>
      </cover-view>
      <cover-image class='close' style="top:{{(headerHeight +
statusBarHeight) - 26}}rpx" src="/pages/Resources/back.png"
bindtap="onBack"></cover-image>
    </cover-view>

    <!-- 观众播放界面上叠加的操作按钮 -->
    <cover-view slot="audience" style='height:100%;width:100%'>
      <cover-view class="operate">
        <cover-view wx:if="{{linked}}" class='img-box'>
          <cover-image class='img-view' src='/pages/Resources/camera.png'
bindtap="changeCamera"></cover-image>
        </cover-view>
        <cover-view wx:if="{{linked}}" class='img-box'>
          <cover-image class='img-view' src='/pages/Resources/{{beauty > 0?
"beauty" : "beauty-dis"}}.png' bindtap="setBeauty"></cover-image>
        </cover-view>
        <cover-view wx:if="{{!linked}}" class='img-box'>
          <cover-image class='img-view' src='/pages/Resources/video-
call.png' bindtap="onLinkClick"></cover-image>
        </cover-view>
        <cover-view class='img-box'>
          <cover-image class='img-view' src='/pages/Resources/{{debug?
"log" : "log2"}}.png' bindtap="showLog"></cover-image>
        </cover-view>
      </cover-view>
      <cover-image wx:if="{{phoneNum}}" class='center'
src="/pages/Resources/{{phoneNum}}.png"></cover-image>

```

```
<cover-image class='close' style="top:{{(headerHeight +
statusBarHeight) - 26}}rpx" src="/pages/Resources/back.png"
bindtap="onBack"></cover-image>
</cover-view>
</live-room>
</view>
```

rtc-room组件

属性

属性	类型	默认值	说明
roomId	String	'audience'	必要，房间id
roomInfo	String	"	必要，房间名
template	String	"	必要，样式模板，可选值有'float', 'grid'
beauty	Number	5	可选，美颜，取值范围 0-9 ， 0 表示关闭
aspect	String	'3:4'	可选，宽高比，可选值有 '3:4', '9:16'
minBitrate	Number	200	可选，最小码率
maxBitrate	Number	400	可选，最大码率
muted	Boolean	false	可选，是否静音，指推流
debug	Boolean	false	可选，是否打开log
enableCamera	Boolean	true	可选，是否开启摄像头

接口

函数名	说明
start()	启动
pause()	暂停
resume()	恢复
stop()	停止
switchCamera()	切换摄像头

叠加图标实现

rtc-room组件提供两个节点，用于承载组件引用时提供的子节点。slot名分别为grid（四宫格布局），float（嵌套布局）。设置两个slot的原因是为了解决选择布局跟默认布局float不一致，导致子节点失效的问题。

```
<view class='container-box'>
  <rtc-room id="rtccroom" roomId="{{roomId}}" roomInfo="{{roomname}}"
  template="{{template}}" beauty="{{beauty}}" muted="{{muted}}" debug="{{debug}}"
  bindonRoomEvent="onRoomEvent">
    <cover-view wx:if="{{template == 'grid'}}" slot="grid"
    style='height:100%;width:100%;position: absolute;'>
      <cover-view class="operate">
        <cover-view class='img-box'>
          <cover-image class='img-view'
src='/pages/Resources/camera{{frontCamera?"":"-gray"}}.png'
bindtap="changeCamera"></cover-image>
        </cover-view>
        <cover-view class='img-box'>
          <cover-image class='img-view' src='/pages/Resources/{{beauty?
"beauty" : "beauty-dis"}}.png' bindtap="setBeauty"></cover-image>
        </cover-view>
        <cover-view class='img-box'>
          <cover-image class='img-view' src='/pages/Resources/{{muted ?
"mic-dis" : "mic"}}.png' bindtap="changeMute"></cover-image>
        </cover-view>
        <cover-view class='img-box'>
          <cover-image class='img-view' src='/pages/Resources/{{debug?
"log" : "log2"}}.png' bindtap="showLog"></cover-image>
        </cover-view>
        </cover-view>
        <cover-image class='close' style="top:{{(headerHeight +
statusBarHeight) - 26}}rpx" src="/pages/Resources/back.png"
bindtap="onBack"></cover-image>
      </cover-view>

    <cover-view wx:elif="{{template == 'float'}}" slot="float"
    style='height:100%;width:100%;position: absolute;'>
      <cover-view class="operate">
        <cover-view class='img-box'>
          <cover-image class='img-view'
src='/pages/Resources/camera{{frontCamera?"":"-gray"}}.png'
bindtap="changeCamera"></cover-image>
        </cover-view>
        <cover-view class='img-box'>
          <cover-image class='img-view' src='/pages/Resources/{{beauty?
"beauty" : "beauty-dis"}}.png' bindtap="setBeauty"></cover-image>
        </cover-view>
        <cover-view class='img-box'>
          <cover-image class='img-view' src='/pages/Resources/{{muted ?
"mic-dis" : "mic"}}.png' bindtap="changeMute"></cover-image>
```

```
        </cover-view>
        <cover-view class='img-box'>
            <cover-image class='img-view' src='/pages/Resources/{{debug?
"log" : "log2"}}.png' bindtap="showLog"></cover-image>
        </cover-view>
    </cover-view>
    <cover-image class='close' style="top:{{(headerHeight +
statusBarHeight) - 26}}rpx" src="/pages/Resources/back.png"
bindtap="onBack"></cover-image>
    </cover-view>
</rtc-room>
</view>
```

webrtc-room组件

属性

属性	类型	默认值	说明
template	String	"	必要，标识组件使用的界面模版，可选值有'float', 'grid', '1u3d'
sdkAppID	String	"	必要，开通IM服务所获取到的AppID
userID	String	"	必要，用户ID
userSig	String	"	必要，身份签名，相当于登录密码的作用
roomID	Number	"	必要，房间号
privateMapKey	String	"	必要，房间权限key，相当于进入指定房间roomID的钥匙
beauty	Number	5	美颜，取值范围 0-9，0 表示关闭
muted	Boolean	false	可选，是否静音
debug	Boolean	false	可选，是否打开log
enableIM	Boolean	false	可选，是否启用IM

接口

函数名	说明
start()	启动
pause()	暂停
resume()	恢复
stop()	停止
switchCamera()	切换摄像头

叠加图标实现

webrtc-room组件提供两个节点，用于承载组件引用时提供的子节点。slot名分别为grid（四宫格布局），float（嵌套布局）。设置两个slot的原因是为了解决选择布局跟默认布局float不一致，导致子节点失效的问题。

```
<view class="container-box">
  <view class="camera-box">
    <webrtc-room id="webrtcroom" template="{{template}}" autoplay="{{autoplay}}" enableCamera="{{enableCamera}}" roomId="{{roomId}}"
    roomName="{{roomName}}" userID="{{userID}}" roomCreator="{{roomCreator}}"
    userSig="{{userSig}}" sdkAppID="{{sdkAppID}}" accountType="{{accountType}}"
    privateMapKey="{{privateMapKey}}" beauty="{{beauty}}" muted="{{muted}}"
    debug="{{debug}}" bindRoomEvent="onRoomEvent"
    bindIMEvent="onIMEvent" enableIM="true">
      <cover-view wx:if="{{template == 'grid'}}" slot="grid"
      style='height:100%;width:100%;position: absolute;'>
        <cover-view class="operate">
          <cover-view class='img-box'>
            <cover-image class='img-view'
            src='/pages/Resources/camera{{frontCamera?"":"-gray"}}.png'
            bindtap="changeCamera"></cover-image>
          </cover-view>
          <cover-view class='img-box'>
            <cover-image class='img-view' src='/pages/Resources/{{beauty >
            0? "beauty" : "beauty-dis"}}.png' bindtap="setBeauty"></cover-image>
          </cover-view>
          <cover-view class='img-box'>
            <cover-image class='img-view' src='/pages/Resources/{{muted ?
            "mic-dis" : "mic"}}.png' bindtap="changeMute"></cover-image>
          </cover-view>
          <cover-view class='img-box'>
            <cover-image class='img-view' src='/pages/Resources/{{debug?
            "log" : "log2"}}.png' bindtap="showLog"></cover-image>
          </cover-view>
        </cover-view>
      </cover-view>
    </webrtc-room>
  </view>
</view>
```

```

        <cover-image class='close' style="top:{{(headerHeight +
statusBarHeight) - 26}}rpx" src="/pages/Resources/back.png"
bindtap="onBack"></cover-image>
    </cover-view>
    <cover-view wx:elif="{{template == 'float'}}" slot="float"
style='height:100%;width:100%;position: absolute;'>
        <cover-view class="operate">
            <cover-view class='img-box'>
                <cover-image class='img-view'
src='/pages/Resources/camera{{frontCamera?"":"-gray"}}.png'
bindtap="changeCamera"></cover-image>
            </cover-view>
            <cover-view class='img-box'>
                <cover-image class='img-view' src='/pages/Resources/{{beauty >
0? "beauty" : "beauty-dis"}}.png' bindtap="setBeauty"></cover-image>
            </cover-view>
            <cover-view class='img-box'>
                <cover-image class='img-view' src='/pages/Resources/{{muted ?
"mic-dis" : "mic"}}.png' bindtap="changeMute"></cover-image>
            </cover-view>
            <cover-view class='img-box'>
                <cover-image class='img-view' src='/pages/Resources/{{debug?
"log" : "log2"}}.png' bindtap="showLog"></cover-image>
            </cover-view>
        </cover-view>
        <cover-image class='close' style="top:{{(headerHeight +
statusBarHeight) - 26}}rpx" src="/pages/Resources/back.png"
bindtap="onBack"></cover-image>
    </cover-view>
</webrtc-room>
</view>
</view>

```

注意：

- demo设置了全屏，在一些页面上有设置margin-top为标题栏高度。如果您不需要全屏，去掉 app.json 中的 "navigationStyle": "custom"，然后在 app.js 中注释掉下面代码；同时修改每个页面的标题，去掉返回按钮。

```

this.globalData.headerHeight = headHeight;
this.globalData.statusBarHeight = statusBarHeight;

```