



# HUAWEI VR App Upload Specifications

## 1 Requirements for Upload Materials

### 1.1 Icons in the HUAWEI VR app

Please follow the rules below carefully to have the app icon displayed properly.

- App icon storage directory:
  - Unity: The Unity 3D project directory **Assets/StreamingAssets/**
  - Unreal: The icons must be saved in the Unreal project directory. Add the following statement to the APL file (or directly modify the **HuaweiVRSDK\_APL.xml** file):

```
<copyFile src="$S(PluginDir) /vr_icon.png" dst="$S(BuildDir)/assets/vr_icon.png" />
```

Ensure that the icon files are stored in the **assets** folder of the APK.

- Icon requirements:

Solution 1 (recommended): layered effect

Foreground image

- Name: **vr\_icon\_foreground.png**
- Size: Less than 200 KB
- Format: PNG
- Resolution: 576 x 324

Background image

- Name: **vr\_icon\_background.png**
- Size: Less than 200 KB
- Format: PNG
- Resolution: 576 x 324

Solution 2: Not layered but is compatible with earlier versions, and can coexist with solution 1.

- Name: **vr\_icon.png**
- Size: Less than 200 KB
- Format: PNG
- Resolution: 576 x 324

Recommendation:

Use the background image and transparent logo for unified colors and clearer display.



## 2 HUAWEI VR App Development Requirements

**2.1 The app shall be started from and exit to the HUAWEI VR Launcher correctly.**

**2.2 The use of controllers shall comply with the *HUAWEI VR Controller User Guide*.**

**2.3 The Loading screen must be binocular (released with Unity Pro).**

**2.4 The app needs to apply for the storage and controller permissions.**

The storage permission is required for screenshots generated during app usage. To check the controller permissions, check the **AndroidManifest.xml** to see whether the **com.huawei.vrhandle.permission.DEVICE\_MANAGER** permission is available.

**2.5 The app runs smoothly with a peak memory usage not exceeding 2 GB. During app usage, the peak temperature of the controller's outer shell does not exceed 43°C. The duration of the loading screen and the transition screen cannot exceed 5s.**

**2.6 Application of `targetSdkVersion >= 28`, otherwise it will be rejected.**

**2.7 Currently, you need to select App-Education as the upload category and upload the letter of Disclaimer.**

For details about the letter of Disclaimer, visit the following link:

<https://developer.huawei.com/consumer/en/doc/30215>