

Youtube DL Video Player

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v1.1.3

Created by **Everreal**
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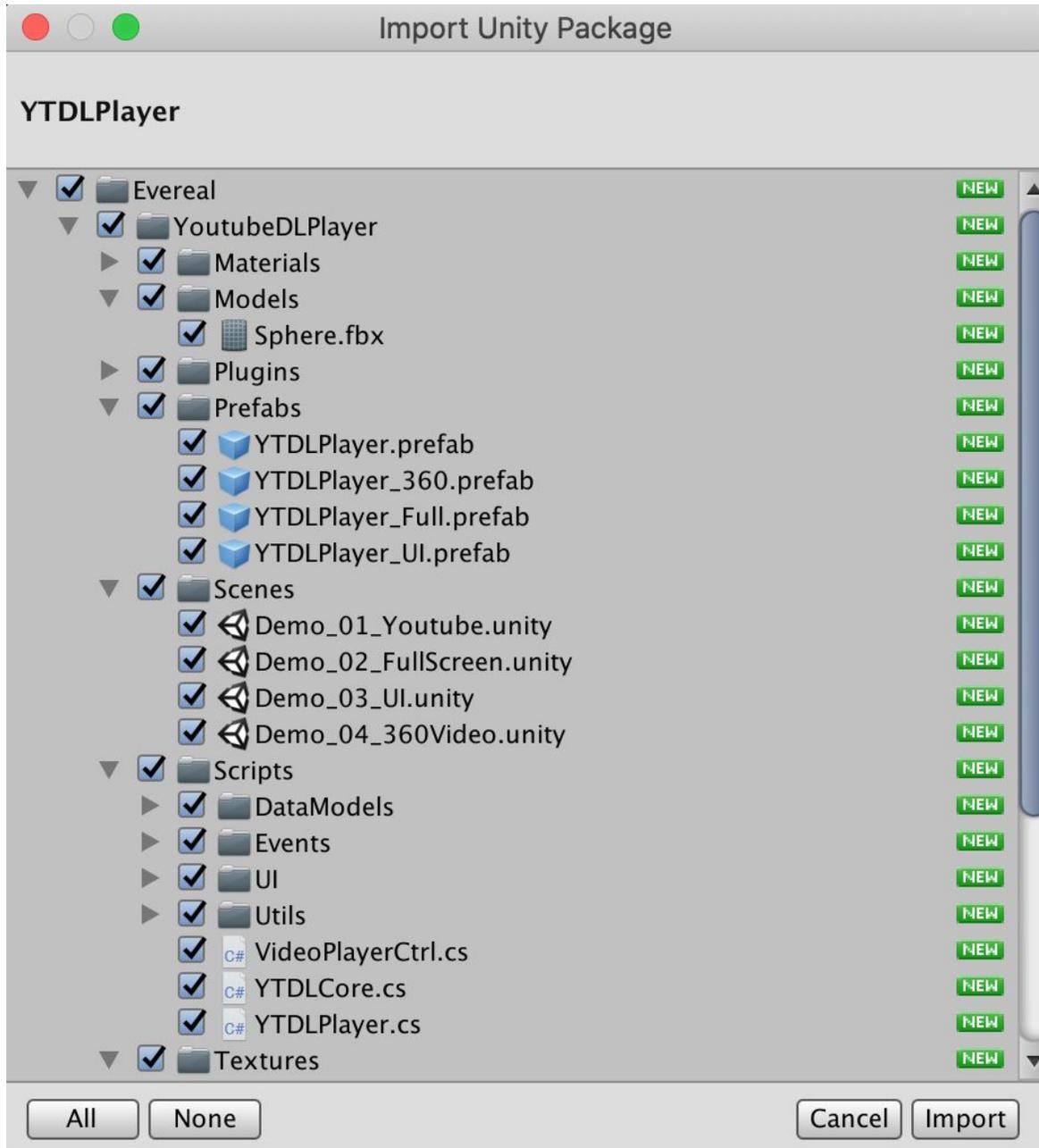
Table of Contents

1. Overview	3
2. Get Started	4
3. Integrations	5
3.1 Integrate with UI	6
3.2 Integrate with Video Player	6
3.3 Integrate Youtube DL Parser	7
3.4 Integrate AVPro Video	8
3.5 Integrate with Easy Movie Texture	10
4. Events	11
5. Properties	11
6. Public Methods	11
7. Android	11
7.1 Deploy to Android	11
7.2 Android 10	12
8. iOS	13
9. Feedback	13

1. Overview

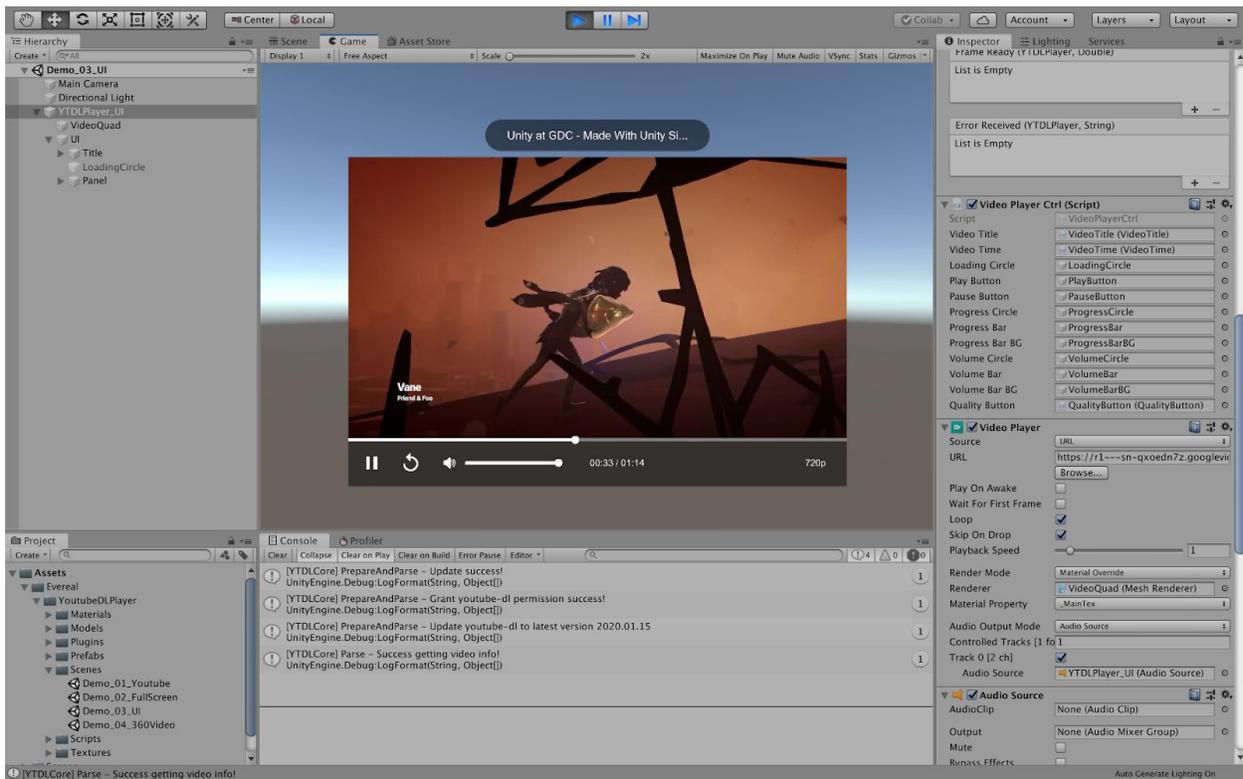
Youtube DL Video Player is a plugin that helps you play videos from youtube.com and a few [more sites](#) in your Unity game.

When you import Youtube DL Video Player plugin into your Unity project, the following assets will add:



2. Get Started

Youtube DL Video Player comes with several demos to help you to understand the functionality of the plugin quickly. Start by creating a new project and importing all Youtube DL Video Player package assets including demo scenes files.



All demo scenes located in *Assets/Everreal/YoutubeDLPlayer/Demos/Scenes/* folder:

Demo_01_Youtube plays a single Youtube video.

Demo_02_FullScreen plays video within the full screen.

Demo_03_UI is a complete demo play video with time scrub and controls UI.

Demo_04_360Video plays a 360 degree video.

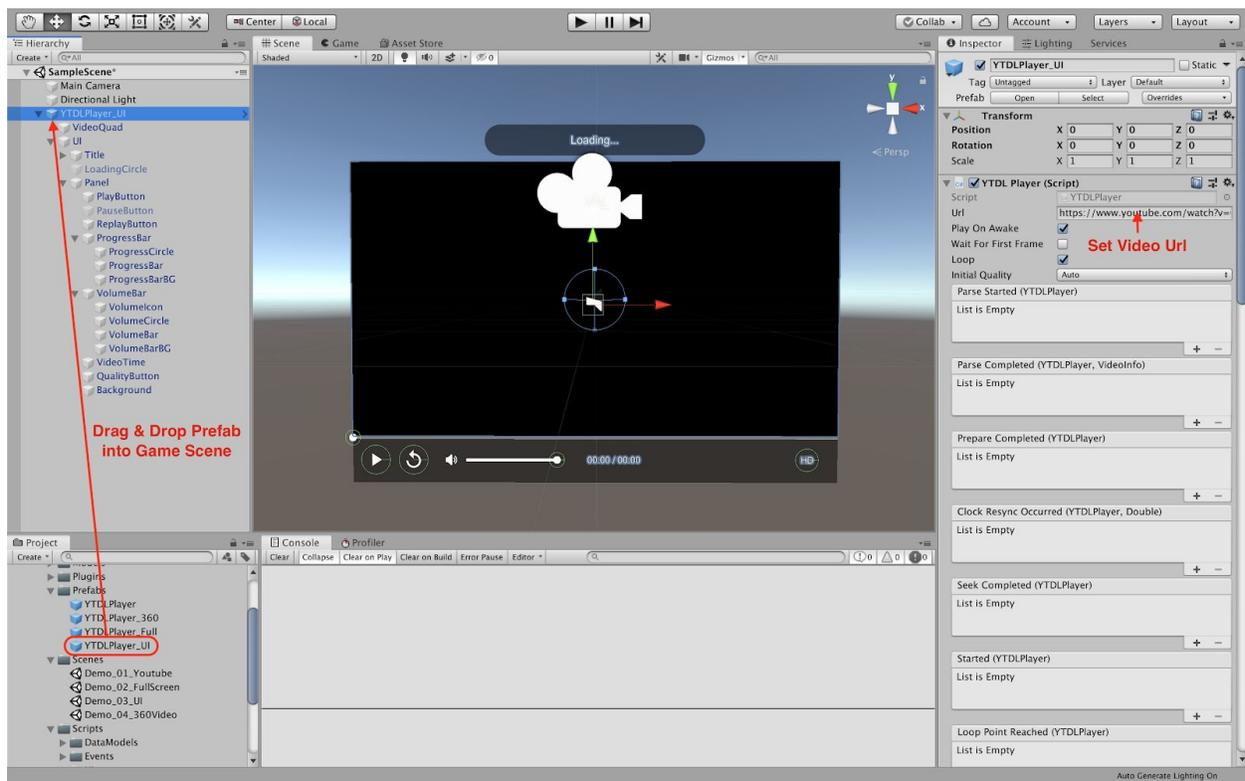
Demo_05_Parse demonstrates using the core youtube-dl library.

3. Integrations

You can integrate your Unity project with Youtube DL Video Player based on your requirements.

3.1 Integrate with UI

You can choose this option if you want full integration with the UI. Including features such as play, pause, replay, time scrubber, volume adjust and select quality, etc. You can also easily customize the UI as you like.

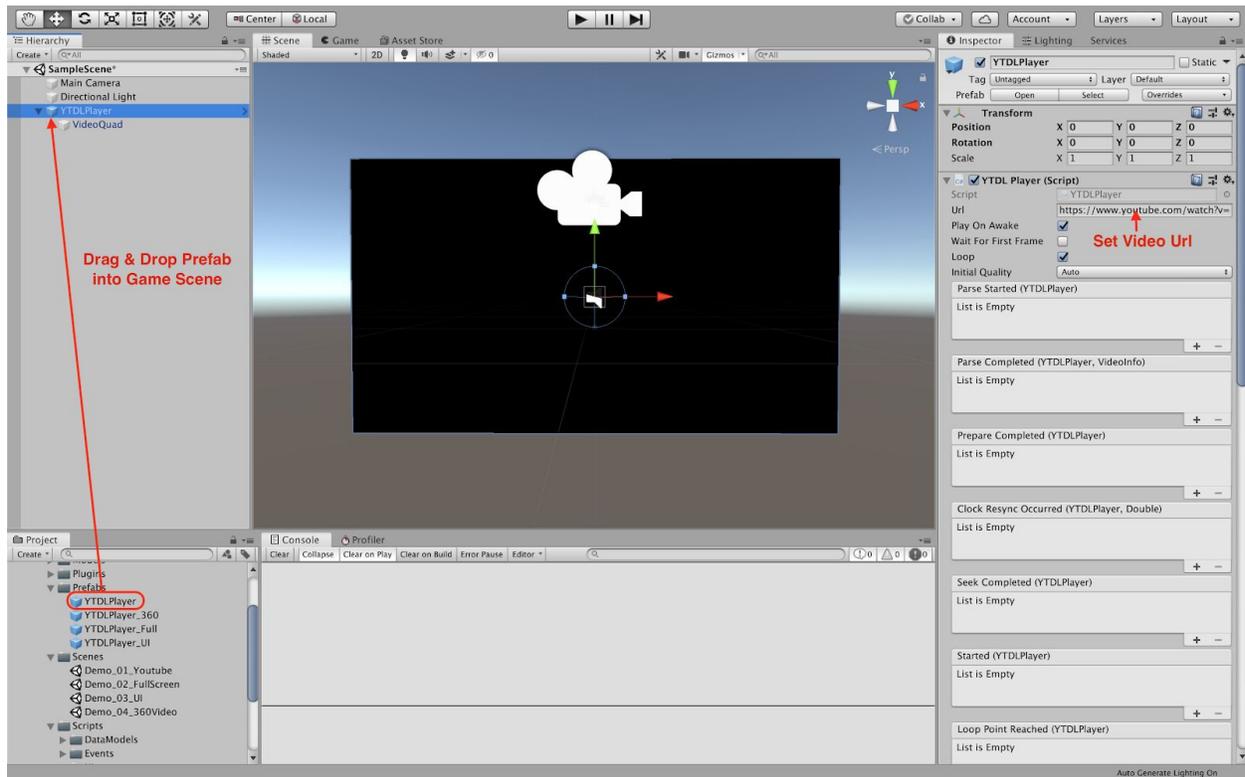


Step 1: Drag & Drop the **YTDLPlayer_UI** (*Assets/Everreal/YoutubeDLPlayer/Resources/Prefabs/YTDLPlayer_UI*) prefab into your game scene.

Step 2: Update the Url field with your target video url (such as <https://vimeo.com/91264375> or <https://www.youtube.com/watch?v=QCqTn3SbfA0>).

3.2 Integrate with Video Player

You can choose this integration option If you only require the plugin just play an online video without any interaction.



Step 1: Drag & Drop the player prefab into your game scene, you can choose from:

YTDLPlayer (*Assets/Everreal/YoutubeDLPlayer/Resources/Prefabs/YTDLPlayer*) for online video play.

YTDLPlayer_FullScreen

(*Assets/Everreal/YoutubeDLPlayer/Resources/Prefabs/YTDLPlayer_FullScreen*) for full-screen video play

YTDLPlayer_360 (*Assets/Everreal/YoutubeDLPlayer/Resources/Prefabs/YTDLPlayer_360*) for 360-degree video play.

Step 2: Update the Url field with your target video url (such as <https://vimeo.com/91264375> or <https://www.youtube.com/watch?v=QCqTn3SbfA0>).

3.3 Integrate Youtube DL Parser

You can choose this integration option if you don't need to play the video by the plugin or want to play the parsed video url by other video plugin. You can use Youtube DL API to query information such as play url, title, duration, etc. of an online video as well.

Please refer [Demo_05_Core](#) as a full example.

```
using Evereal.YoutubeDLPlayer;

public class SampleScript : MonoBehaviour
{
    public YTDLParser ytdlParser;

    void Start()
    {
        string url = "https://www.youtube.com/watch?v=34K8YJOMDRY";
        ytdlParser.parseCompleted += ParseCompleted;
        ytdlParser.SetOptions("--format best[protocol=https]");
        StartCoroutine(ytdlParser.PrepareAndParse(url));
    }

    private void ParseCompleted(VideoInfo video)
    {
        Debug.Log(video.title);
        Debug.Log(video.url);
    }
}
```

If you familiar with [youtube-dl](#) library, there are lots of options available: <https://github.com/ytdl-org/youtube-dl/blob/master/README.md#options>, currently the options `--no-warnings` and `--dump-json` will be set in default.

3.4 Integrate AVPro Video

AVPro Video is a powerful plugin for Unity that gives developers an easy-to-use video playback solution on multiple platforms.



AVPro Video

- Ⓞ Windows, Android, iOS, MacOS & more
- Ⓞ Fast flexible video playback
- Ⓞ 4k video support



AVPro Video asset versions:

- All-in-one: <https://assetstore.unity.com/packages/tools/video/avpro-video-56355>
- Android: <https://assetstore.unity.com/packages/tools/video/avpro-video-android-52745>
- iOS: <https://assetstore.unity.com/packages/tools/video/avpro-video-ios-56352>
- Windows: <https://assetstore.unity.com/packages/tools/video/avpro-video-windows-57969>
- OS X: <https://assetstore.unity.com/packages/tools/video/avpro-video-macos-56353>
- tvOS: <https://assetstore.unity.com/packages/tools/video/avpro-video-tvos-56354>

Youtube DL Video Player supports switching video player backend to AVPro Video instead of Unity VideoPlayer if you think it is lacking features you need for your project.

The integration steps is extremely easy.

Step 1: Download the AVPro Video asset into your project, you can purchase it on Asset Store or using a [Free Trial](#) version.

Step 2: From menu, select **Tools** -> **Everreal** -> **YoutubeDLPlayer** -> **MediaPlayer** -> **AVPro Video** and click.



Then the video playback system should be switched to AVPro Video instead of Unity VideoPlayer.

3.5 Integrate with Easy Movie Texture

Easy Movie Texture has great support for mobile devices and streaming features.



Easy Movie Texture asset link:

<https://assetstore.unity.com/packages/tools/video/easy-movie-texture-video-texture-10032>

Youtube DL Video Player supports switching the video player backend to Easy Movie Texture instead of Unity VideoPlayer if you think it is lacking features you need for your project.

The integration steps is extreaming easy.

Step 1: Download the Easy Movie Texture asset into your project, you can purchase it on Asset Store.

Step 2: From menu, select **Tools -> Evereal -> YoutubeDLPlayer -> MediaPlayer -> Easy Movie Texture** and click.



Then the video playback system should be switched to Easy Movie Texture instead of Unity VideoPlayer.

4. Events

Youtube DL Video Player wrapped Unity VideoPlayer events, for more details, please visit: <https://docs.unity3d.com/ScriptReference/Video.VideoPlayer.html>

5. Properties

Youtube DL Video Player wrapped Unity VideoPlayer properties, for more details, please visit: <https://docs.unity3d.com/ScriptReference/Video.VideoPlayer.html>

6. Public Methods

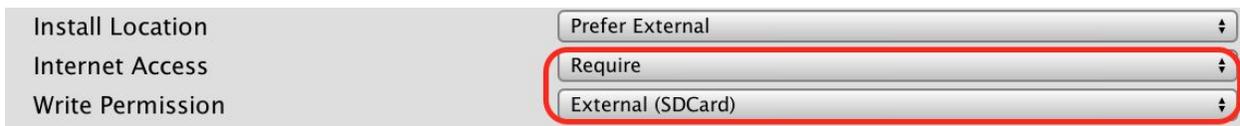
Youtube DL Video Player wrapped Unity VideoPlayer public methods, for more details, please visit: <https://docs.unity3d.com/ScriptReference/Video.VideoPlayer.html>

7. Android

Youtube DL Video Player supports **armeabi-v7a**, if you need support for **x86** and **x64** android devices as well, please contact me.

7.1 Deploy to Android

Before deploying to the Android platform, please set (*Edit > Project Settings, then select the Android settings tab*) Internet Access as **Required** and Write Permission as **External (SDCard)**.



7.2 Android 10

If you want to support Android 10 devices, you will need an explicit set `android:requestLegacyExternalStorage="true"` in your `AndroidManifest.xml` (<https://docs.unity3d.com/Manual/android-manifest.html>).

Create `AndroidManifest.xml` in `Assets/Plugins/Android/` and copy the sample code below:

```
<?xml version="1.0" encoding="utf-8"?>
<manifest
  xmlns:android="http://schemas.android.com/apk/res/android"
  package="com.unity3d.player"
  xmlns:tools="http://schemas.android.com/tools"
  android:installLocation="preferExternal"
  android:versionCode="1"
  android:versionName="1.0">

  <uses-permission android:name="android.permission.INTERNET" />
  <uses-permission android:name="android.permission.WRITE_EXTERNAL_STORAGE" />

  <supports-screens
    android:smallScreens="true"
    android:normalScreens="true"
    android:largeScreens="true"
    android:xlargeScreens="true"
    android:anyDensity="true"/>

  <application
    android:theme="@style/UnityThemeSelector"
    android:icon="@drawable/app_icon"
    android:label="@string/app_name"
    android:requestLegacyExternalStorage="true">
    <activity android:name="com.unity3d.player.UnityPlayerActivity"
      android:label="@string/app_name">
      <intent-filter>
        <action android:name="android.intent.action.MAIN" />
```

```
        <category android:name="android.intent.category.LAUNCHER" />
    </intent-filter>
    <meta-data android:name="unityplayer.UnityActivity" android:value="true" />
</activity>
</application>
</manifest>
```

8. iOS

Coming soon...

9. Feedback

If you have any feedback on the *Youtube DL Video Player* plugin, please email us through dev@everreal.com directly, your advice will be very valuable to us.

You are also very welcome to rate our plugin and leave your comment on the Unity Asset Store.