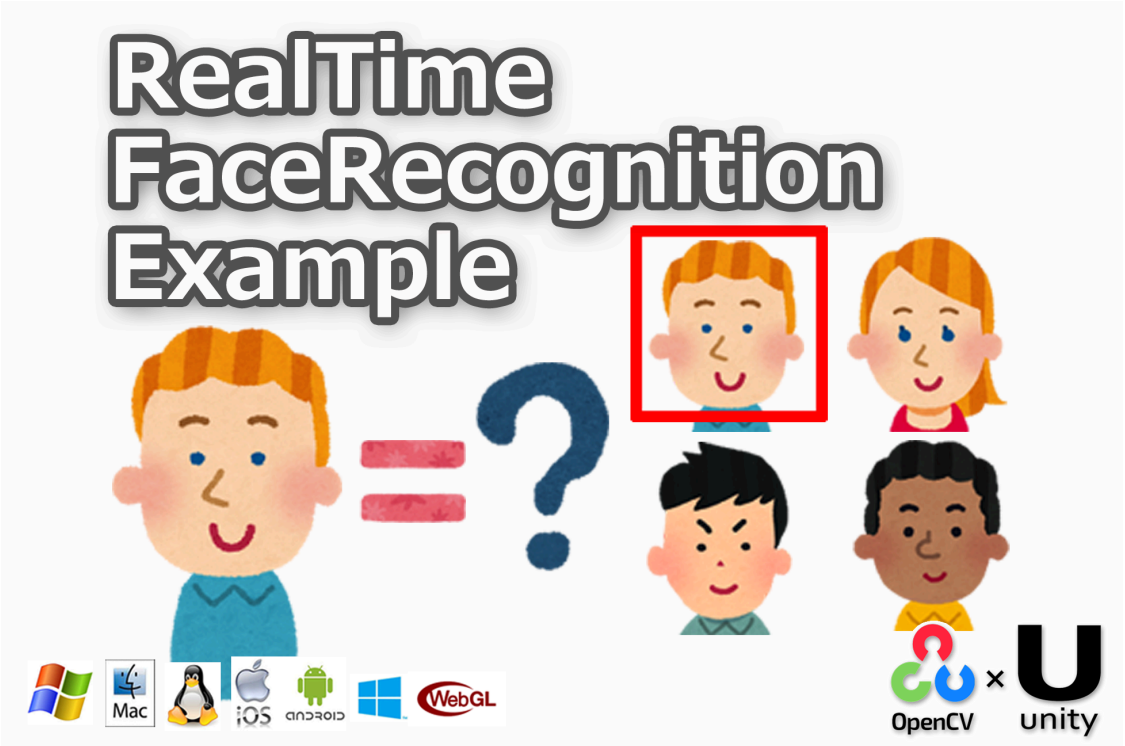
RealTime FaceRecognition Example 1.1.1



WebGL support
iOS & **Android** support
Windows10 UWP support
Win & **Mac** & **Linux** Standalone support
Support for preview in the **Editor**
Work with Unity Free & Pro

System Requirements
Build Win Standalone & Preview Editor : Windows8 or later
Build Mac Standalone & Preview Editor : OSX 10.13 or later
Build Linux Standalone & Preview Editor : Ubuntu 18.04 or later
Build Android : API level 24 or later
Build iOS : iOS Version 9.0 or later

The execution of this asset is required "OpenCV for Unity".

Features:

- This asset is an example project of face recognition in real time using "OpenCV for Unity".
- This project's Code is a rewrite of https://github.com/MasteringOpenCV/code/tree/master/Chapter8_FaceRecognition. using "OpenCV for Unity"
- The Face recognition procedure is 4 steps.
  1. Face detection
  2. Face preprocessing
  3. Collect and learn faces
  4. Face recognition

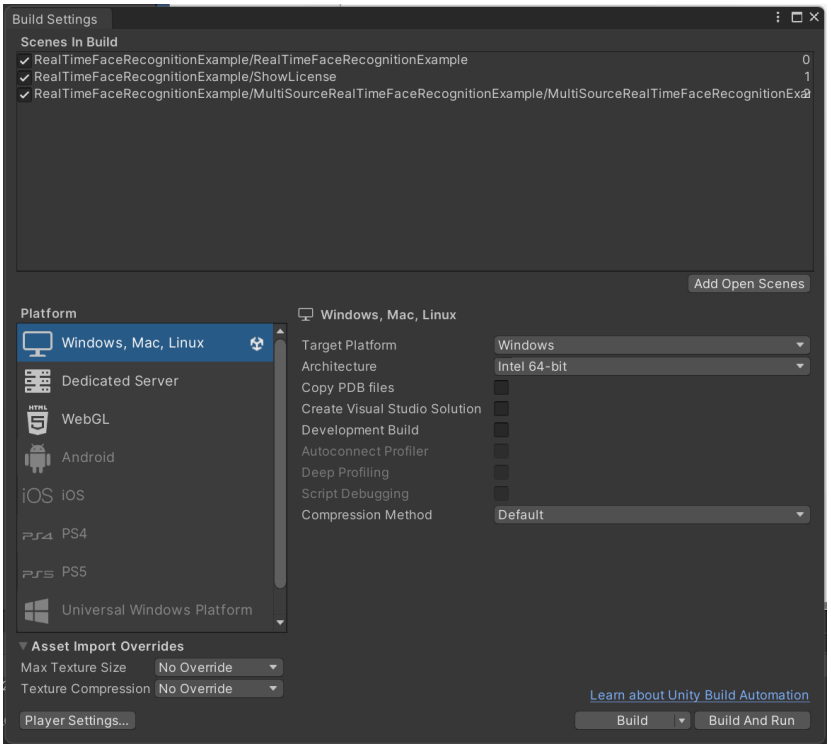
Official Site | ExampleCode | Android Demo | WebGL Demo | Demo Video

Version changes:

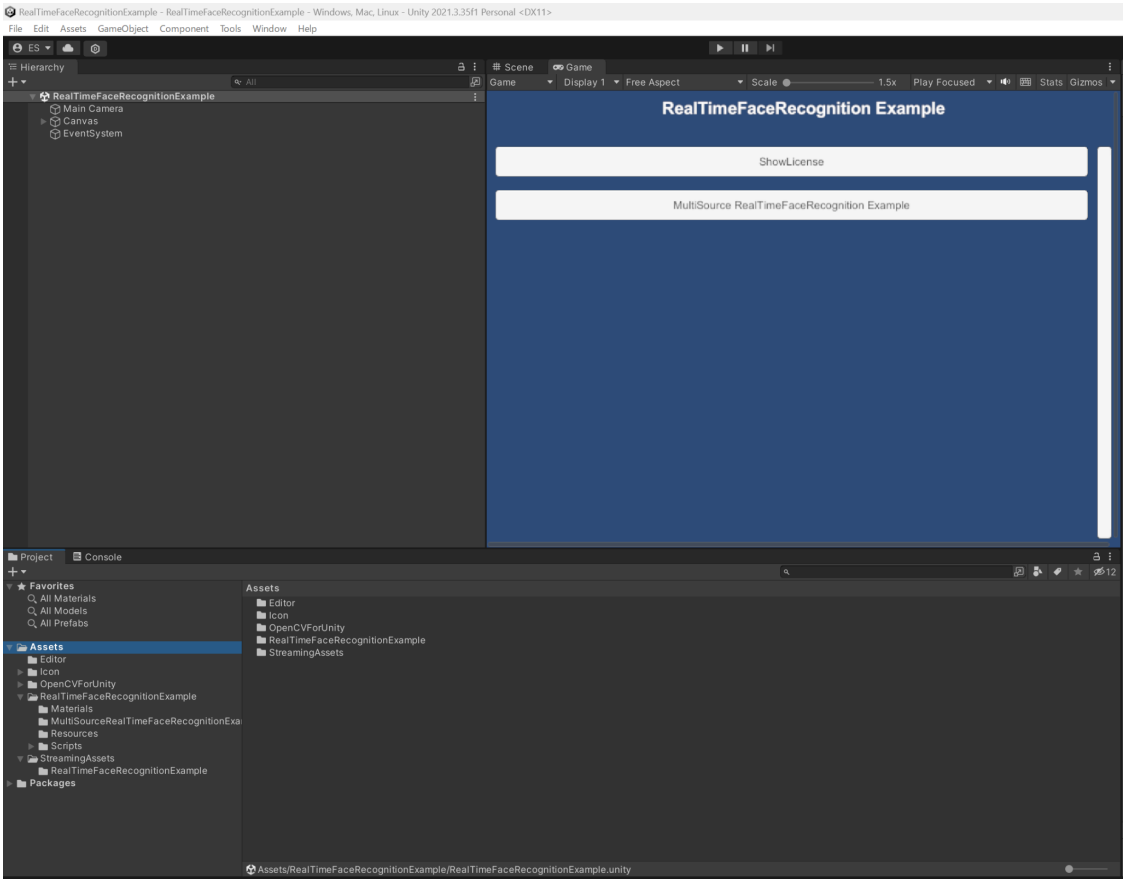
1.1.1 [Common]Updated for OpenCV for Unity v2.6.4.(This asset requires OpenCVforUnity 2.6.4 or later.)
1.1.0 [Common]Changed the minimum supported version to Unity2021.3.35f1. [Common]Separated the examples using the Built-in Render Pipeline and Scriptable Render Pipeline.
1.0.9 [Common]Updated for OpenCV for Unity v2.5.9.(This asset requires OpenCVforUnity 2.5.9 or later.)
1.0.8 [Common]Updated for OpenCV for Unity v2.5.0.(This asset requires OpenCVforUnity 2.5.0 or later.)
1.0.7 [Common]Updated for OpenCV for Unity v2.4.2.(This asset requires OpenCVforUnity 2.4.2 or later.) [Common]Refactored the script.
1.0.6 [Common]Updated for OpenCV for Unity v2.3.8.(This asset requires OpenCVforUnity 2.3.8 or later.)
1.0.5 [Common]Updated for OpenCV for Unity v2.3.3.(This asset requires OpenCVforUnity 2.3.3 or later.)
1.0.4 [Common]Fixed save and load process. [Common]Update to WebCamTextureToMatHelper v1.0.6.
1.0.3 [Common]Updated for OpenCV for Unity v2.2.1.(This asset requires OpenCVforUnity 2.2.1 or later.)
1.0.2 [UWP]Fixed for UWP.
1.0.1 [Common]Changed the name of asset project.("Sample" to "Example") [Common]Fixed WebCamTextureHelper.cs.
1.0.0 Initial version

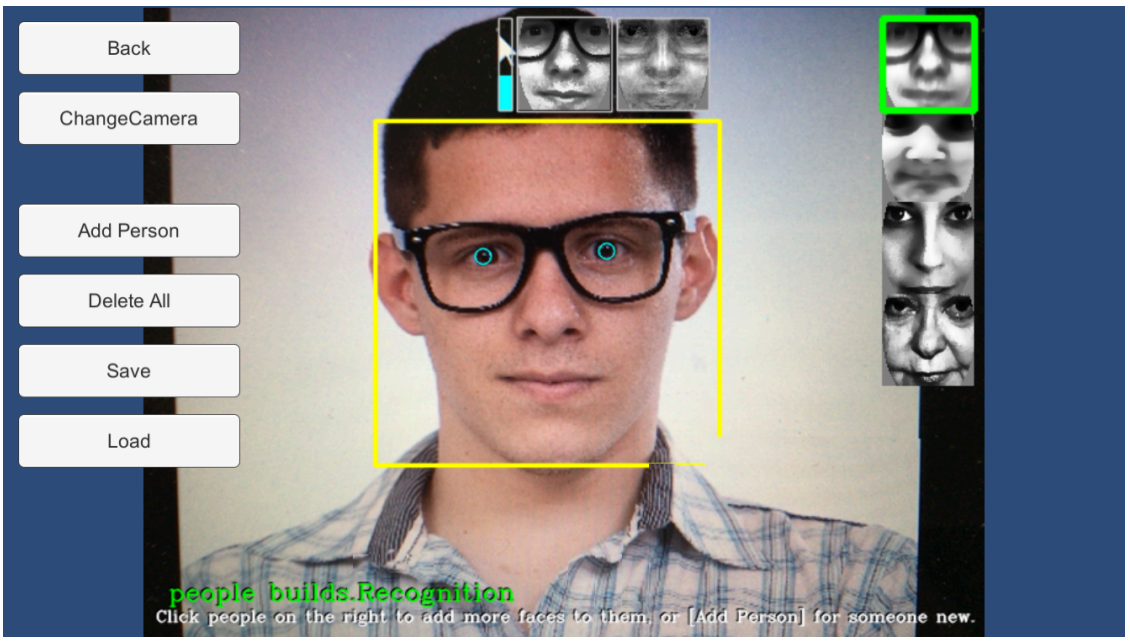
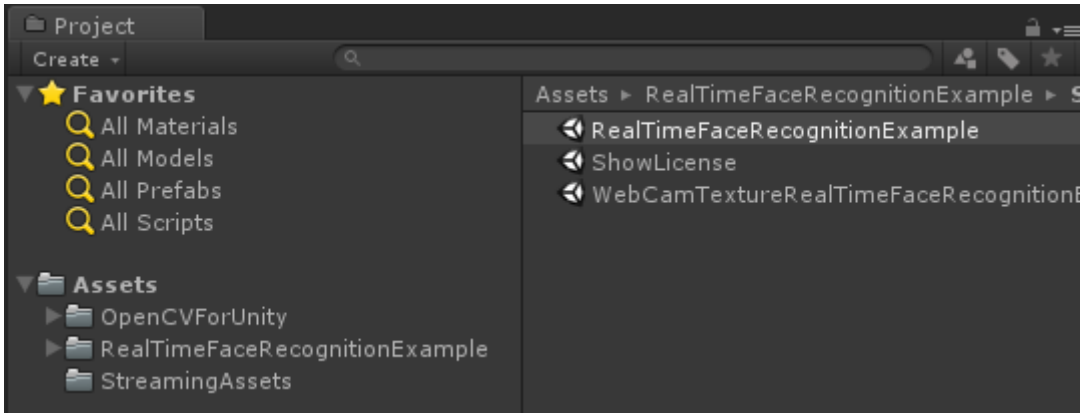
Quick setup procedure to run the example scenes:

1. Import "OpenCVForUnity".
2. Add all of the "***.unity" in the "RealTimeFaceRecognitionExample/Scenes" folder to [Build Settings] – [Scene In Build].



3. Run the RealTimeFaceRecognitionExample scene.


RealTimeFaceRecognitionExample - RealTimeFaceRecognitionExample - Windows, Mac, Linux - Unity 2021.3.35f1 Personal <DX11>
File Edit Assets GameObject Component Tools Window Help
Hierarchy
RealTimeFaceRecognitionExample
Main Camera
Canvas
EventSystem
Scene
Game
Display 1
Free Aspect
Scale
1.5x
Play Focused
Stats
Gizmos
RealTimeFaceRecognition Example
ShowLicense
MultiSource RealTimeFaceRecognition Example
Project
Console
Favorites
All Materials
All Models
All Prefabs
Assets
Editor
Icon
OpenCVForUnity
RealTimeFaceRecognitionExample
Materials
Resources
Scripts
StreamingAssets
RealTimeFaceRecognitionExample
Packages
Assets/RealTimeFaceRecognitionExample/RealTimeFaceRecognitionExample.unity


Back
ChangeCamera
Add Person
Delete All
Save
Load
people builds.Recognition
Click people on the right to add more faces to them, or [Add Person] for someone new.

Screenshot after the setup