TritiumBarcodeScanner

Accept a barcode from a keyboard wedge, a still image, or a live camera after the user grants permission.

Install

TritiumBarcodeScanner is part of Tritium UI for .NET MAUI. Add the package source from your license to your NuGet configuration, then restore from there. These packages are not on the public NuGet Gallery.

The URL below is a placeholder. Replace it with the package source on your license. This site does not publish that URL.

```
<?xml version="1.0" encoding="utf-8"?>
<configuration>
  <packageSources>
    <add key="TritiumApps" value="FEED_URL_FROM_YOUR_LICENSE" />
  </packageSources>
</configuration>
```

Reference the package on your license that includes TritiumBarcodeScanner.

Platforms

Keyboard wedge and still-image decode: Android, iOS, Mac Catalyst, and Windows 10 version 19041 and later. Live camera: Android, iOS, and Mac Catalyst when a camera is reported; Windows has no live camera scan. The camera opens only after RequestEnableCameraAsync and a granted camera permission.

Basic example

Declare this namespace on the page.

```
xmlns:barcode="clr-namespace:Tritium.Maui.Barcode;assembly=Tritium.Maui.Barcode"
<barcode:TritiumBarcodeScanner
    x:Name="Scanner"
    Placeholder="Scan or type a barcode"
    BarcodeDetected="OnBarcodeDetected" />
```

Features

• Type or wedge a code into the entry and raise BarcodeDetected with the raw value, the format name, and the source (keyboard, camera, or image).
• Keep the camera off until the page calls RequestEnableCameraAsync, which asks the user and requests the camera permission.
• Decode a still image from a stream on every supported platform, including Windows, where live camera scanning is not available.
• Show a live camera preview only when the device reports a usable camera (Android, iOS, and Mac Catalyst).
• Bind the last accepted value two-way so a form can store the scan.
• Stop the camera when the control unloads.

Main API

• **Value.** Last accepted barcode text, two-way.
• **IsCameraEnabled.** Turns the live preview on after permission; defaults to false.
• **BarcodeDetected.** Fires with the value, format, and source (keyboard, camera, or image).
• **RequestEnableCameraAsync.** Prompts for camera access and starts the preview, or returns false if unsupported or denied.

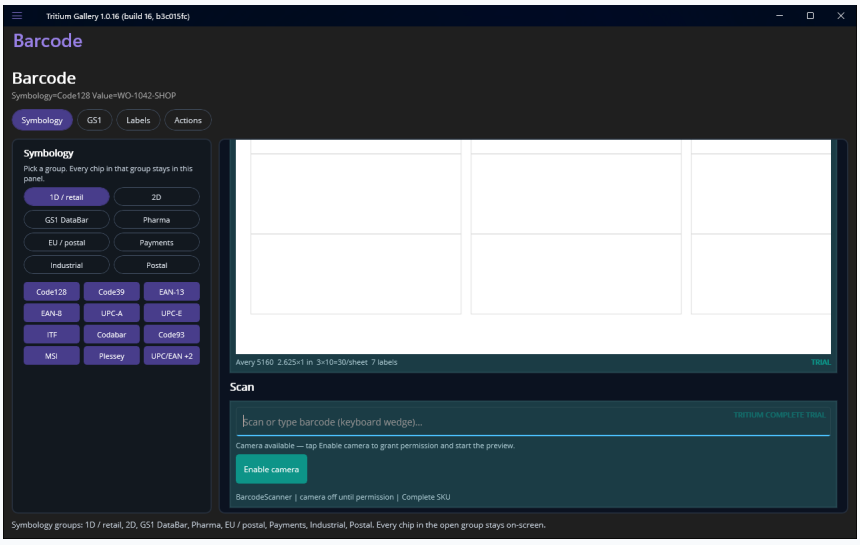
Accessibility

• Give the control a visible name on the page, the same way you label any .NET MAUI view.
• Pick theme colors with a clear difference between the text and the surface behind it. The theme packs do not add a separate contrast mode. The difference comes from the colors you choose.
• Do not use color as the only way to tell two states apart.
• Try the page with the platform screen reader on Android, iOS, Mac Catalyst, and Windows.
• Keyboard access follows the .NET MAUI view. Check the control on each platform you ship.

Tips

• Restore TritiumBarcodeScanner from the package source on your license. These packages are not on the public NuGet Gallery.
• Reference the package on your license that includes TritiumBarcodeScanner.
• Target frameworks are net10.0-android, net10.0-ios, net10.0-maccatalyst, and net10.0-windows10.0.19041.0. Minimum OS versions are Android 21, iOS 15, Mac Catalyst 15, and Windows 10.0.17763.

Screenshot



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