TritiumBarcodeView

Draw a scannable barcode or QR symbol from a string and export it as a PNG.

Install

TritiumBarcodeView 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 TritiumBarcodeView.

Platforms

Android, iOS, Mac Catalyst, and Windows 10 version 19041 and later (.NET 10 MAUI).

Basic example

Declare this namespace on the page.

```
xmlns:barcode="clr-namespace:Tritium.Maui.Barcode;assembly=Tritium.Maui.Barcode"
<barcode:TritiumBarcodeView
    Value="TRITIUM-DEMO"
    Symbology="QrCode"
    Gs1Format="False" />
```

Features

• Encode retail, postal, logistics, and payment symbols, including Code 128, Code 39, EAN/UPC, ITF, Codabar, Code 93, MSI, Plessey, PDF417, Data Matrix, Aztec, QR, and the GS1 DataBar family.
• Generate specialized symbols such as Micro QR, rMQR, MaxiCode, Intelligent Mail, POSTNET, PLANET, Royal Mail, KIX, Mailmark, Australia/Japan/Korea Post, PharmaCode, DotCode, Telepen, Code 11, Code One, Aztec Runes, HIBC, and VIN.
• Produce payment and European profiles including EPC QR, Swiss QR-bill, UPN QR, Code 32, PZN8, Identcode, Leitcode, DPD, and ITF-14.
• Turn on GS1-128 (FNC1) for Code 128, and infer GS1 formatting when the value already looks like an element string.
• Set the symbol and its value together so the preview does not blank out on an intermediate invalid pair.
• Choose foreground and background colors for the symbol.
• Export a PNG file at the size you request.
• Call UseTritiumBarcode() once at startup before you show a scanner or generator.

Symbols

TritiumBarcodeView draws these symbols:

- Code128
- QrCode
- Code39
- Ean13
- Ean8
- UpcA
- UpcE
- Itf
- Pdf417
- DataMatrix
- Aztec
- Codabar
- Code93
- Msi
- Plessey
- Gs1DataBar
- Gs1DataBarExpanded
- Gs1DataBarTruncated
- Gs1DataBarLimited
- Gs1DataBarStacked
- Gs1DataBarStackedOmnidirectional
- Gs1DataBarExpandedStacked
- MicroQr
- MicroPdf417
- MaxiCode
- IntelligentMail
- PharmaCode
- PharmaCodeTwoTrack
- RoyalMail
- UpcEanExtension
- Code32
- Pzn8
- DeutschePostIdentcode
- DeutschePostLeitcode
- Kix
- DpdCode
- RoyalMailMailmark
- Itf14
- Code39Extended
- Telepen
- Logmars
- EpcQr
- SwissQr

- UpnQr
- Standard2of5
- Industrial2of5
- Iata2of5
- DataLogic2of5
- Code11
- DotCode
- Postnet
- Planet
- AustraliaPost
- JapanPost
- KoreaPost
- RmQr
- Hibc
- Vin
- AztecRune
- CodeOne

Main API

- **Value.** The text or payload encoded into the symbol.
- **Symbology.** Which barcode or QR family to draw.
- **Gs1Format.** Encode Code 128 as GS1-128 with a leading FNC1.
- **BarcodeForeground.** Module color; BarcodeBackground sets the quiet-zone color.

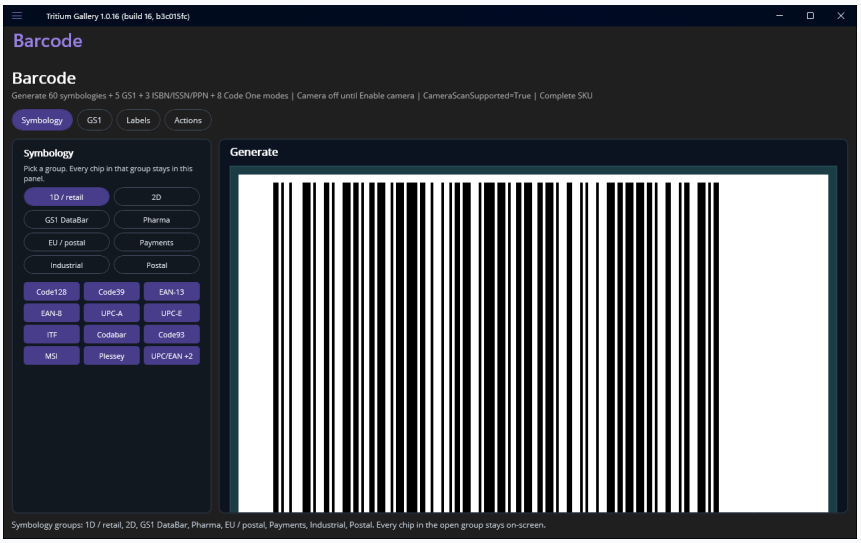
Accessibility

- 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 TritiumBarcodeView from the package source on your license. These packages are not on the public NuGet Gallery.
- Reference the package on your license that includes TritiumBarcodeView.
- 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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