TritiumDigitalGauge

Show a number as a seven-segment readout, including a clock-style colon.

Install

TritiumDigitalGauge 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 TritiumDigitalGauge.

Platforms

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

Basic example

Declare this namespace on the page.

```
xmlns:gauges="clr-namespace:Tritium.Maui.Gauges;assembly=Tritium.Maui.Gauges"
<gauges:TritiumDigitalGauge Value="12.5" DigitCount="4" DecimalPlaces="1"
                            Unit="kW" Title="Output" />
```

Features

- Bind minimum, maximum, and a two-way value.
- Choose how many digits and decimal places to show.
- Pad with leading zeros, and append a unit.
- Blink a colon for a clock-style display.
- Recolor the digits from ranges, with a separate alarm color.
- Set the panel and digit colors, plus a title.
- Export the readout to a PNG stream or file.

Main API

- **Value.** The number shown on the segments, two-way.
- **DigitCount.** How many digits to draw.
- **DecimalPlaces.** Digits after the decimal point.
- **BlinkColon.** Animates a colon between digit groups.

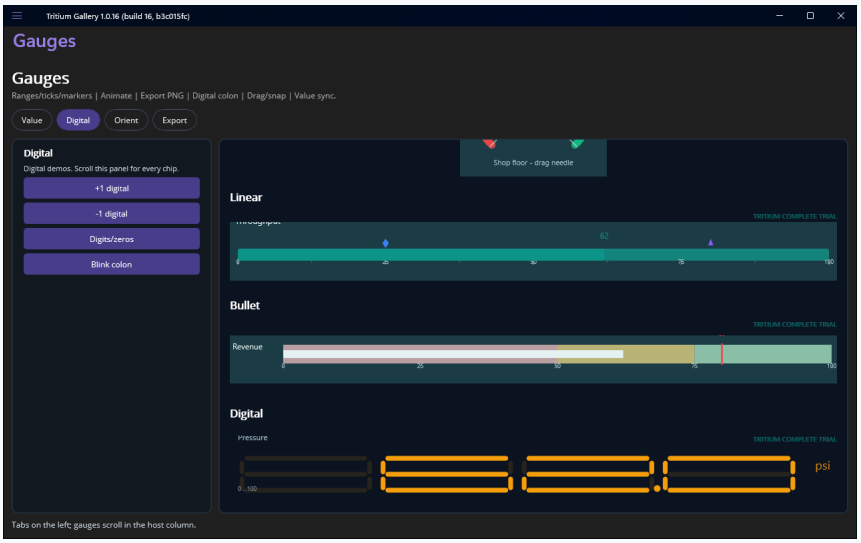
Accessibility

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