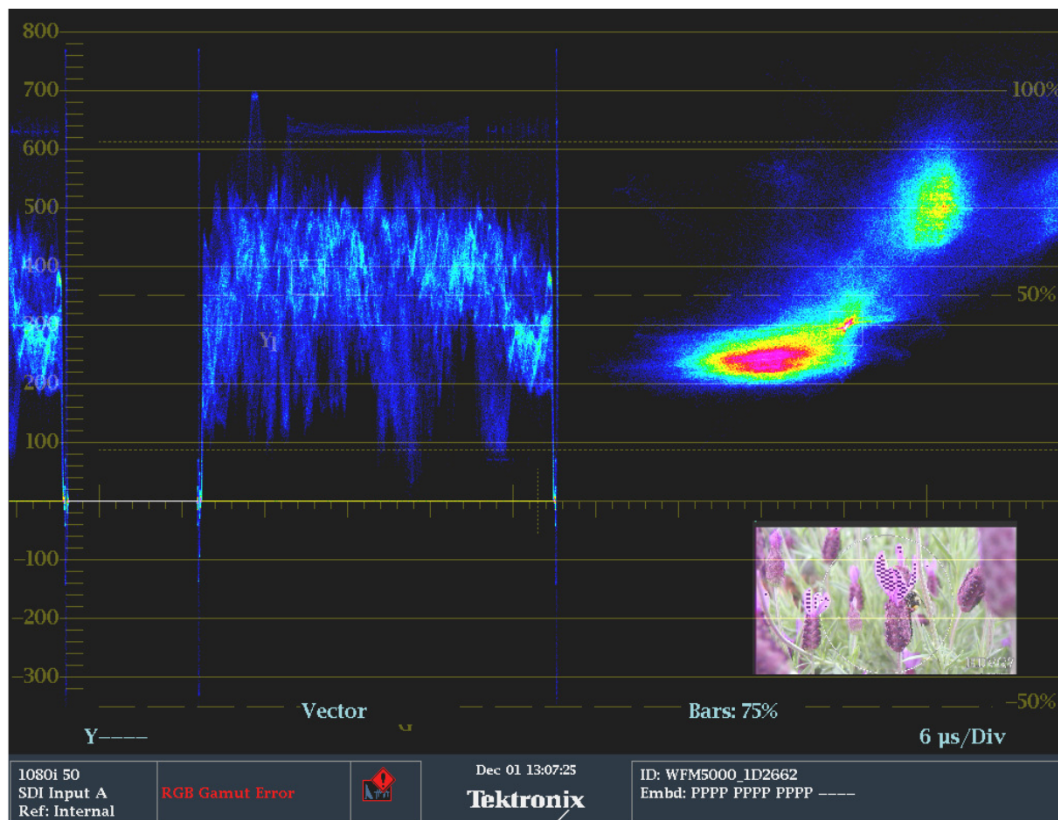


The Tektronix "TandemVu" Display for Camera Set Up



This Tips and Tricks relates to the WFM/WVR 4000/5000 and 5200 Series of Waveform Monitors and Rasterizers for Camera Set Up applications.

Figure 1: TandemVu display for Camera Set Up

Operators often like to view the luma (Y) and chroma (C) at the same time so that they can adjust the camera levels to ensure that the flesh tones of the onscreen camera talent are at the appropriate video level and the vectorscope shows appropriate hue and saturation.

Within the Tektronix WFM5200 and other 5000 Series instruments, the TandemVu display was developed to allow you to see the maximum waveform and vector displays simultaneously.

The overlay of waveform and vector displays can be configured in a variety of ways to suit your needs. For adjustment of a camera, a useful setup is to show the luma Y channel in a 2 line sweep display with the waveform trace moved to the far left so that only one line is displayed. The vector display can then be moved to the far right of the display as shown in Figure 1. In this display configuration, you can easily see adjustments that need to be made to the camera for both the luma level and chroma signal within the same display.

The Tektronix "TandemVu" Display for Camera Set Up

Procedure:

1. Push and hold the Main button to enable WFM & VEC mode.
 - a. Ensure the display is in full screen mode using the Display Select button.
2. Select the Waveform mode, and push and hold this **WFM** button to enter the menu.
 - a. Then ensure display type of **YPbPr** is selected and deselect the **Pb** and **Pr** components to keep only the Y component displayed.
3. In the "Sweep" menu - push and hold the sweep button and choose the **Overlay** mode then **2-line** sweep can be selected.
 - a. Move trace to the left (as shown in Figure 1) to keep only one line of the waveform displayed.
4. Now select the 'Vector button and push and hold to bring up the menu and select the display type (Vector or Lightning).
 - a. Use the H and V position control to adjust the vector display to the right of the screen.

Note:

Saving this configuration as a preset will allow easy and quick access to this display.

In the 'Sweep' function modes, Line '2' and '2 Field' only work in 'Overlay' mode

You can of course change all of the color display settings within the configuration menu.