

**WFM5200 Series Waveform Monitors**  
**WVR5200 Series Waveform Rasterizers**  
**Release Notes**

[www.tektronix.com](http://www.tektronix.com)



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**Tektronix**

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- Worldwide, visit [www.tektronix.com](http://www.tektronix.com) to find contacts in your area.

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# Release Notes

This document describes the key features and known limitations for the following products with software version 2.8.x. Some of these notes apply only to instruments with specific options installed. A list of available instrument options is available at [www.tektronix.com](http://www.tektronix.com) and in the product User Manual, which is available for download at [www.tektronix.com/downloads](http://www.tektronix.com/downloads).

- WFM5250 SDI/HDMI Waveform Monitor
- WVR5250 SDI/HDMI Waveform Rasterizer
- WFM5200 Waveform Monitor
- WVR5200 Waveform Rasterizer

## New key features and benefits (version 2.8.x)

The following products with software version 2.8.x have these new key features and benefits:

### **WFM5250 and WVR5250**

- Two HDMI-HDCP signal inputs with HDMI Status and EDID data display/download
- Two SDI inputs supporting SD/HD and 3G-SDI (Option 3G required for 3G support)
- Stereoscopic 3D monitoring (Option S3D)
- Two channel simultaneous input monitoring (Option SIM)
- 16-channel embedded AES/EBU audio monitoring (Option AUD)
- Audio loudness monitoring (Option LOUD and Option AUD)
- Data Monitoring (Option DATA)
- Luma Qualified Display and Spearhead Display for production application (Option PROD)
- Simple SDI test signal generator (Option GEN)

### **WFM5200 and WVR5200**

- Stereoscopic 3D monitoring (Option S3D)

## Key features and benefits (version 2.6.x)

The version 2.6.x software release also includes the following key features and benefits:

- Additional Generator support of 720p50/59/60 (Option GEN required)
- Simultaneous monitoring (Option CAM required) allows monitoring of 2 SDI inputs. If one or both of the signals being monitored is a 3G signal, they need to be on numerically different inputs or a trace resource limitation will occur.

For example, 3G on Input 1A and 3G on Input 2A; or 3G on Input 1B and HD on Input 2A. However, there are no resource constraints for 3G Level B 2XHD 1A.1 and 1A.2 or both monitoring channels being set to the same input (Option 3G is required for 3G-SDI formats).

Audio monitoring is limited to a single selectable monitoring channel. See CONFIG>Audio Inputs/Outputs/SIM Audio Select.

- Synchronized left eye and right eye signals monitoring (SyncVu™) (Option CAM required)
- Dolby E Guard Band meter with user-defined limits and Dolby VANC decoding of metadata (Option AUD required)
- Support for measuring Timecode discontinuities and Jog/Shuttle detection
- Camera Tally mode ground closure remote feature
- Audio Support for Z bit preamble alarm (Option AUD required)
- New Tektronix-patented Spearhead display and Luma Qualified Vector (LQV™) display facilitate precise color adjustment for post-production applications (Option PROD)
- Audio Phase Alarm if audio channels are out of phase (Option AUD required)
- Tektronix-patented Diamond and Arrowhead displays for color gamut compliance monitoring

### For more information visit:

- [www.tek.com/waveform-monitor/wfm5200](http://www.tek.com/waveform-monitor/wfm5200)
- [www.tek.com/waveform-monitor/wvr5250](http://www.tek.com/waveform-monitor/wvr5250)
- [www.tek.com/waveform-monitor/wfm5250](http://www.tek.com/waveform-monitor/wfm5250)
- [www.tek.com/waveform-monitor/wvr5250](http://www.tek.com/waveform-monitor/wvr5250)

## General Limitations

This release has the following general limitations for all instrument models, unless otherwise noted. Topics are listed in alphabetical order.

<b>External Reference</b>	The waveform display may take up to 10 seconds to stabilize with external Tri-level sync.
<b>Frozen frame detection (WFM5250 and WVR5250 models only)</b>	Frozen Frames for HDMI 1080p 50/59.94 are calculated using odd lines on frame n and even lines on frame n+1.
<b>Gamut Threshold</b>	The threshold level for Gamut error reporting for 4:4:4 signals may have some offset to the user set threshold.
<b>HDMI format (WFM5250 and WVR5250 models only)</b>	480i and 576i formats are not officially supported for HDMI inputs.
<b>Incompatible Operation</b>	When applying 3 Gb/s signals to any instrument that does not support the signal formats, the unit indicates that the signal input is not standard. Applying unsupported video signals may result in a frozen PICT display.
<b>Line Select</b>	Internal reference should be used with line select operation for 3G-SDI Level A signals.
<b>Remote web user interface</b>	When the external reference has Tri-level sync, the format readout from the remote web user interface may not be reliable.
<b>SDI output (WFM5250 and WVR5250 models only)</b>	SDI output in Pix monitor mode has no signal output when the input signal has a 480i/576i/480p/576p and 640 x 480 format through an HDMI input.
<b>Sweep</b>	The waveform style must be set to Overlay to get 2 line or 2 field sweep.

- USB**
- Always press the MAIN button and select USB Status to safely “Unmount” and remove the USB memory device from the USB port. You risk permanent loss of any files saved on the USB device if you do not use the “Unmount” feature.
  - If there are more than 32 files saved in a Presets directory on the USB device, you can only view the first 32 files.

**Waveform Mode Cursor for XYZ Color Space**

The voltage cursors are given in millivolt scale, but the XYZ color space is referenced in hex scale. To see the values for 000 to FFF, change the graticule settings to max and percent.

**Web Browser**

- The Web browser applet will not resize when running in some versions of the Netscape browser and in some non-Windows Operating Systems (for example, Solaris).
- We recommend using Java Runtime Engine (JRE) version 1.6 or above.