



PRISM 25GE
Media Analysis Platform
Release Notes

This document supports firmware version 2.0.2

www.telestream.net



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Release notes

This document describes new features, improvements, and limitations of firmware version 2.0.2 for the PRISM 25GE Media Analysis Platform.

NOTE. *This software release only applies to the products*

MPI2-25 and MPX2-25

MPI2-10 and MPX2-10 with 25GE upgrade kit

MPI and MPX with 25GE upgrade kit

New features and improvements

- User interface has been rebranded to Telestream.
- Telestream licensing is now supported along with existing Tektronix licenses. No action is required if your product has existing Tektronix licenses

General limitations

- Check the Telestream website (www.telestream.net) for any firmware updates to the PRISM monitor.

SDI SFP Loop-through

- SDI loop-through to SDI SFP modules is not yet supported.

ST2110 streams

- The sequence error detection includes the extended sequence number available in ST2110 streams. The error counter is based on the combined sequence numbers.
- ST2110-21 VRx and CMAX measurements are not supported in SD and 4K/UHD formats.

IP Generator application

- When configuring the IP Generator for Seamless Switching with the `ip_gen_config` API, setting both paths is required using the scope operators IP1 and IP2.
- SD 525 signal generation in ST2110-20 has a skewed color bar alignment when motion is enabled. It is recommended to only use this signal for IP layer testing.

Trace applications

- If Convert to Rec. 709 mode is enabled and the gamut exceeds the 709 gamut, traces may have distortions in the Waveform, Vector, and Diamond applications.

Audio application

- Audio application may indicate CRC errors for Dolby stream except Dolby E format.

- When Dolby audio is included in SDI signals or ST2022-6 streams, undecoded Dolby data is sent out of the headphone port.
- There is no description in api / help for Audio Session.
- SDI 6G audio is not supported.

Preset

Presets don't save:

- HDR measurement thresholds in Picture Settings,
- Dolby program to decode in Audio application Settings,
- Audio channel pair that appears after pressing Volume in the Status bar.

IP Graphs application

- When the instrument is powered on with no IP input stream connected, the graphs in the IP Graphs application may show a false-event spike.
- The TS-DF graph gets invalid data when PTP is locking.
- The PIT graph may see a large value when changing inputs.

PTP Graphs application

- The PTP Graphs application shows incorrect data when no PTP Master is present.
- When the instrument does not lock to PTP, the measurements using PTP timing information can be corrupted. Set the PTP domain to a number that is not in use to avoid this issue.

PTP

- When no PTP Master is present, the PTP message rates will be erroneously reported as infinite (INF).

Control IP Port address

Assignment in DHCP mode

- When you have the instrument configured so that the Control IP Port address is assigned using DHCP and a DHCP failure occurs, the Control IP Port address display in the Settings > Network submenu does not indicate that a DHCP failure has occurred. If this issue occurs, you may have to manually configure the Control IP Port address

AUX Out

- If the PIT jitter is greater than 125 μ s, decoded content such as picture and waveform and the AUX Out signal may become unstable.
- When the input signal is switched externally, the AUX Output may take time to lock to the new signal.
- The AUX Out connector will not output a valid signal when these ST2022-6 input signal formats are present:
 - 525i 59.94
 - 1080P 23.98, 24, 29.97
 - 1080sF 23.98, 25, 30
- AUX Output of ST2110 SD input signals is not supported.
- AUX Output of 6G SDI input signals is not supported.

SDI Input

- The instrument will not lock to a 12G-SDI signal without sync byte insertion. Sync byte insertion is required in the SMPTE ST 2082 standard.

IP Input

- A reboot is recommended after changing Data Rate or FEC settings in Settings> Network > Video IP Port.

Picture application

- False color is only supported for HD and UHD formats.

SDI Generator application

- The SDI generator will generate 3G Level A and 12G test patterns, but there is an inter-channel timing issue for these formats.
- The color bar signal from generator application has an inter-channel timing issue, it should be used only for confidence monitoring.

Version downgrading

- Downgrading to versions earlier than 2.0 is not allowed for instruments with 25GE hardware.