telestream

PRISM

SDI / IP Waveform Monitor

Release Notes

This document supports firmware version 3.3.1

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Worldwide, visit www.telestream.net/telestream-support/video/support.htm to find contacts in your area.

Release notes

This document describes new features, resolved issues, and improvements in firmware version 3.3.1 for the PRISM family of SDI / IP Waveform Monitors, since the last release of version 3.1.

Compatible Products

Upgrades   The following 25G products are compatible with this release:

- MPI and MPX that have been upgraded to 25G

- MPI2-10 and MPX2-10 that have been upgraded to 25G

- MPI2-25 and MPX2-25

- MPS-100/200/300

- MPD-100/200/300

NOTE: The following products are not compatible with this release:

- MPI and MPX without 25G upgrade

- MPI2-10 and MPX2-10 without 25G upgrade

Downgrades   Downgrading from version 3.x to 2.x is not allowed for the following products due to the hardware configuration:

- MPI2-25 with serial number starting at S010564

- MPX2-25 with serial number starting at S010386

- All MPS/MPD products

New features

The following new features have been added to PRISM version 3.3.1 since the last release of version 3.1. Unless otherwise noted, new features apply to all products listed in the **Compatible Products** section.

- New ST2110 formats:
    - 1280x720, 23.98/24/25/29.97/30/50/59.94/60p, YCbCr 4:2:2, 10bit
    - 1920x1080, 23.98/24/25/29.97/30p, YCbCr 4:2:2, 10bit
    - 2048x1080, 23.98/24/25/29.97/30/50/59.94/60p, YCbCr 4:2:2, 10bit
    - 3840x2160, 23.98/24/25/29.97/30/50/59.94/60p, YCbCr 4:2:2, 10bit
    - 4096x2160, 23.98/24/25/29.97/30/50/59.94/60p, YCbCr 4:2:2, 10bit
- New SDI formats:
    - 1280x720, 23.98/24/25/29.97/30/50/59.94/60p, YCbCr 4:2:2, 10bit
    - 1920x1080, 23.98/24/29.97/30p, RGB 4:4:4, 12bit
    - 2048x1080, 23.98/24/25/29.97/30/**47.95/48**/50/59.94/60p, YCbCr 4:2:2, 10bit
    - 2048x1080, 23.98/24/29.97/30p, RGB 4:4:4, 12bit
    - 3840x2160, 23.98/24/29.97/30p, RGB 4:4:4, 12bit
    - 4096x2160, 23.98/24/25/29.97/30/**47.95/48**/50/59.94/60p, YCbCr 4:2:2, 10bit
    - 4096x2160, 23.98/24/29.97/30p, RGB 4:4:4, 12bit
- New ST2110 IP Generator formats:
    - 1280x720, 23.98/24/25/29.97/30/50/59.94/60p, YCbCr 4:2:2, 10bit
    - 1920x1080, 23.98/24/25/29.97/30p, YCbCr 4:2:2, 10bit
    - 2048x1080, 23.98/24/25/29.97/30/50/59.94/60p, YCbCr 4:2:2, 10bit
    - 3840x2160, 23.98/24/25/29.97/30/50/59.94/60p, YCbCr 4:2:2, 10bit
    - 4096x2160, 23.98/24/25/29.97/30/50/59.94/60p, YCbCr 4:2:2, 10bit
- ST2110-20 fast input switching to improve switching times between IP programs
- AV Delay Measurement for SDI, ST2022-6 and ST2110-20/30/31
- Dolby E/ED2 Guard Band measurement against house black burst signal
- Dolby ED2 meta data decoding
- User configurable Audio Test and Program Peak Level setting
- Audio channel labeling for 7.1.4
- Picture Safe Area and AFD graticules
- Colorized traces in Parade mode for Waveform and Stop displays
- Floating Time Code overlay
- Additional format support for ST2110-21

Resolved Issues

This firmware release has the following resolved issues. Unless otherwise noted, improvements apply to all products listed in the **Compatible Products** section.

Audio
- Audio level bars do not always work when switching input configuration via API.

Capture
- Screenshots of capture include unnecessary overlay menu images.

Dolby
- Dolby Status program description can contain stale data after a change in the description. A Dolby Status reset button was added to refresh the metadata.

Eye
- Label in Eye display is not updated correctly.

IP
- New ST2110 fast switching feature has been introduced in response to slow switching times between IP program channels.
- IP UHD picture has multiple ghost images.
- Not detecting SDI CRC errors in ST2022-6.
- Source, Destination and Protocol occasionally disappearing from the IP graph and PIT graph.
- ST2110-20 video decoding may stop when -30 or -40 is added.

Picture
- Light meter shows incorrect values in 4k formats in some cases.
- Input information in format overlay doesn't update when input is changed with API.

Preset
- Issue with preset and recalling generator and input configuration.

SCTE 104
- SCTE 104 information not always shown correctly.
- RTC date/time in SCTE 104 tab shows 1970/01/01.

SDI Generator
- SDI Generator has incorrect VPID for 3G Level B signals.

Video Session
- VPID tab decoding doesn't show raw data.

VNC
- Setting VNC password to <null> or <space> causes VNC to not be accessible.
- Remote VNC access breaks with # character.

Waveform
- Waveform / Vector don't show up when unit started without input signal.
- Show Active Area Only in Waveform does not get saved with preset.