



PRISM

SDI / IP Waveform Monitor

Release Notes

This document supports firmware version 2.3.1

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The Audio Surround Sound display is provided under license from RTW GmbH & Co. KG.

Contact Telestream

Telestream LLC
848 Gold Flat Road
Nevada City, CA 95959
USA

For product information, sales, service, and technical support:

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

Release notes

This document describes new features, fixes, and improvements of firmware version 2.3.1 for the PRISM SDI / IP Waveform Monitor.

Compatible Products

These products are compatible with this release:

- MPI2-25 and MPX2-25
- MPI2-10 and MPX2-10
- MPI and MPX

New features

- User configurable alarms with adjustable thresholds:
 - Gamut/R103 alarm¹
 - Audio content alarms
 - CC / Subtitles alarms
 - IP transport alarms
 - SDI transport alarms
 - Timing alarms
 - Video format alarms
- User interface enhancement Activity Dashboard for easy user alarm monitoring
- Eventlog enhancements:
 - Filters for alarms, alarm group, and time and date
 - Events logged with ANC LTC/VITC timecode and PTP time
 - Events now logged with user-defined input names
- Web download of Eventlog as a csv file
- Additional Alarm reporting support:
 - Web based Alarm Status
 - RFC5424 compliant Syslog events
 - SNMP trap for alarms
- Support for Gamut measurements, compliant with EBU R 103 V3.0 recommendation, with user configurable thresholds
- Audio decode of Dolby D/D Plus/E with Dolby Status application:
 - Support for SDI, 2022-6 and 2110-31 transports
 - SDI Aux out support includes Dolby embedding
- RTW Surround Sound display for PCM and decoded Dolby D/D Plus/E audio

¹ Requires MPI2-25, MPX2-25, MPI2-10 (with 25G upgrade) or MPX2-10 (with 25G upgrade)

Resolved Issues

- Updated LINUX sudo command version to fix buffer overflow vulnerability (CVE 2021-3156).
- SDI 12G audio now works on SDI inputs 2, 3, and 4.
- Fixed reliability issues of NMOS operation in certain network environments. AUX Output of ST2110 UHD input signals is now supported.
- IP stream capture at 10/25GE is now supported.
- Aux Out is now stable if one ST2022-7 input is removed in the presence of errors.
- Locking to SDI 6G signals no longer requires first locking to a 12G signal.

Fixes and Improvements

This firmware release has these fixes and improvements. Unless otherwise noted, fixes and improvements apply to all products listed in the **Compatible Products** section.

- Enhanced input configuration to include Gamma and Gamut setup based on the received SDP file
- Improved Input menu with edit mode
- Added AFD decode in ANC Session
- Added best view mode in Stop display
- Improved RTP streams with extended RTP sequence headers
- Improved frequency response of the integrated speaker in MPX / MPX2 models
- Improved robustness of stream protocol detection
- Improved robustness of RTP packet reordering