



**PRISM**

**SDI / IP Waveform Monitor**

**Release Notes**

This document supports firmware version 5.3

[www.telestream.net](http://www.telestream.net)

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# Release Notes

This document describes new features, fixes, and improvements of firmware version 5.3 for the PRISM SDI / IP Waveform Monitor.

## 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
- MPP-100/200/300

**NOTE:** This release is not compatible with 10G systems:

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

**Reason:** 10G and 25G products deploy different FPGA and CPU hardware, and new algorithms are not suitable for the older 10G platforms. Use the latest 2.x release for 10G products.

**Downgrades** Contact Telestream technical support if you need to downgrade your software to an earlier version.

**User Manuals** Refer to the *PRISM MPI2-25 and MPX2-25 SDI/IP Waveform Monitor User Manual* for software compatibility and functionality for the following products:

- 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

Refer to the *PRISM MPS, MPD, and MPP SDI/IP Waveform Monitor User Manual* for software compatibility and functionality for the following products:

- MPS-100/200/300
- MPD-100/200/300
- MPP-100/200/300

## New Features / Enhancements

The following new features / enhancements have been added to PRISM starting at version 5.3. Unless otherwise noted, new features apply to all products listed in the **Compatible Products** section.

| Function   | Description  |
|--|--|
| <b>3D Look Up Table for Picture and Stop display</b> | User configurable 3D LUT is now being applied to Picture and Stop displays. The feature supports 33x33x33 LUTs with tetrahedral interpolation, which can be imported as .cube files.                         |
| <b>Remote PCAP file download</b>                     | PCAP files captured and saved in internal storage can be downloaded to a client PC through the instrument web page.  |
| <b>Remote software upload</b>                        | The PRISM SW ubin file can be uploaded through the instrument web page. Once the ubin file is uploaded to PRISM, the installation process is performed using the same process as upgrading with a USB stick. |
| <b>Remote service diagnostic upload</b>              | The service diagnostic files can now be downloaded through the instrument web page. Collecting the service files and downloading them to the client PC can occur with one click.                             |
| <b>New display panel support</b>                     | A brighter HD display panel (1280x720, 500nits) is now supported for MPS/MPD models. Changes include a new brightness control (Settings > Display) and UI updates.   |

## Resolved Issues and Improvements

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

| Function                     | Description   |
|------------------------------|---|
| <b>ST 2110-20</b>            | ST 2110-20 UHD cannot be decoded.<br>Video of GPM (2RowMode1) is not processed correctly. |
| <b>Dual Display</b>          | DP outputs not correctly displaying DP1 or DP2 correctly on UHD monitor.                  |
| <b>External Ref waveform</b> | External Reference waveform corrupted.  |
| <b>External Reference</b>    | External Reference keeps becoming unlocked.   |
| <b>Eye Pattern</b>           | Eye Pattern trace shows flat line.  |
| <b>Restful API</b>           | "Stream timing" cannot be assigned with "measure assign" API command.                     |
| <b>SDI Loop Though</b>       | Discontinuity on SDI Input 1 disrupts SDI 4 output in loop through mode.                  |
| <b>Security</b>              | GUI becomes unresponsive.   |
| <b>Settings Network Menu</b> | "S_message_TIMEOUT" message in port information.  |
| <b>Tally</b>                 | Unexpected artifact on UMD from TSL 5 input.  |
| <b>Waveform</b>              | "Show Active Area" requires "PROD" license to enable.                                     |