VERSION 5.2.0
1/19/2024

Release Notes

Ultrix
Ultricore BCS
Ultricore CC

ROSS

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EQUIPMENT

- ULTRIX-FR1, ULTRIX-FR2 (Legacy)
- ULTRIX-NS-FR1, ULTRIX-NS-FR2
- ULTRIX-FR5
- UCCI Upgrade Required? YES ☐ NO ☒
- ULTRIX-FR12
- ULTRICORE-CC
- ULTRICORE-BCS
- ULTRICORE-OE

FEATURES & ENHANCEMENTS

- Introduction of ULTRIPROC proc amp, color correction, and SDR/HDR conversion license. This license is supported on HDX and MODX IO cards.
- Introduction of ULTRIPROC-3DLUT proc amp, color correction, and SDR/HDR conversion license with 3D LUT support. This license is supported on HDX and MODX I/O cards.
- Introduces the new Ultristream License that enables Ultriscape multiviewer NDI streaming.
- ULTRIX-MODX-IO / Support the introduction of the new SDI sub-module with 4-IN, 4-OUT via HD-BNC connectors.
- ULTRIX-MODX-IO / Adds mixing of sub-modules (SFP, or SDI), hot-swapping of modules, and deploying configuration with empty sub-module slots.
- SMPTE424M 3G-SDI Level B-DS was added to the supported SDI formats for Ultrimix and Ultriscape. For this format, only the first stream is processed.
- Added 1080psf 25Hz to the supported video formats.
- Added the option to disable the debug mode and stop services from being forwarded at the frame management network.
- Added support for the user to choose Ethernet ports that the router will report on its NMOS registration.

BUG FIXES

- UR-5171: Ultrimix / Resolved an issue where slot assignments were inverted.
- UR-5282: Ultricore BCS / Corrected the behavior where previous connections were not removed from the incoming connections list when a third-party controller was restarted.
- UR-6150: Ultrix / Fixed a Rippaview panic that could occur when saving Destinations table.
- UR-6157: Ultricore BCS / Fixed a failed routing issue caused by third-party communication failure after a failover to the secondary node.
- UR-6183: Ultrix FR5, FR12 / Fixed network robustness issues specific to v5.1.6.
- UR-6206: Ultrix / Fixed an issue where the default reference setting reverted to NTSC from PAL on reboot or power cycle.

- UR-6209: Acuity / Fixed an issue where the incorrect Ultrix software version was reported.
- UR-6245: Ultrix IP / Improved the robustness of the upgrade process.
- UR-6274: Resolved an issue where the salvo captures from a Matrix soft panel did not work.
- UR-6304: Ultricore BCS / Improved the robustness of the crosspoint routing.

APPLICATION NOTES

- On first upgrade to 5.1.0 or newer, users must re-enable previously used external protocol servers (Services Setting).
- For systems with Ultrix Acuity, the *Restart Ultrix* control in the Acuity GUI may fail. Instead, the user should power-cycle the Ultrix from the Ultrix System Status menu in DashBoard.
- Ultrix SW Compatibility with SWR-SDPE blades.
    - Ultrix Carbonite v7.1.8
    - Ultrix Acuity v12.1h
- For ULTRIX-IPX-IO, prior to upgrading to v5.1.5, the board may not successfully boot when using an external power source directly to the card. Only internal frame power should be used until the upgrade is completed.
- For the initial launch of ULTRIX-IPX-IO, the software supports transceivers based on 4x25Gb NRZ multiple optical lanes either in a multifiber (MPO connector) or multi-lambda (WDM) configuration that require KR4 RS(528,514) FEC and that do not provide built-in FEC. The 4x25Gb NRZ multiple optical lane transceivers are available for both multimode or single-mode fibers and are identifiable by 100GBASE-SR4, 100GBASE-SWDM4, 100GBASE-PSM4, 100GBASE-CWDM4, 100GBASE-4WDM-10/20/40, and 100GBASE-CLR4.
    - Contact Ross Technical Support for details on support for other transceiver types.
- On ULTRIX-FR5, the cooling fans can remain at 100% even at lower temperatures. This will be fixed in an upcoming release.
- DashBoard version 9.7.0 is required for the best user experience.
- Starting in V4.8.X, the I/O board firmware (IP, IPX, HDX, and MODX modules) is no longer included within the frame upgrade files. The frame and IO modules must be upgraded independently of each other.
    - Upgrade Frame -- **DO NOT Reboot** when prompted by DashBoard after frame update.
    - Upgrade all cards (including switcher cards) -- **DO NOT Reboot** when prompted by DashBoard in between card updates.
    - After both FRAME and ALL CARDS have been successfully updated, power cycle the frame.
- In the rare occurrence of a failed card upgrade, the user should power-cycle the Ultrix and perform the upgrade again.
- To upgrade from versions prior to 4.0.0, contact Ross Technical Support for assistance.