

VersaStreamer 4K Release Notes

V8.1.3.117.3

Bug Fixes / Improvements

- > Fix for Web UI bug placing red X for invalid FTP file path in wrong location
- > Fix for large recorded files not able to be played back when "Delete Oldest File When Full" and "Limit Max File Size" are enabled



V8.1.2.117.3

Bug Fixes / Improvements

- > Fix for file recording showing unsaved changes on web UI during FTP Upload
- > Fix for web UI slowing down during FTP Upload
- > Fix for Device Settings page not being displayed on web UI when using port forwarding
- > Improvement of video playback quality for SD resolutions
- > Improvements to prevent connection issues when RTMP server is in a faulty state
- > Improvements to SRT connectivity
- > Security improvements to hide and encrypt passwords and keys of confidential configurations for the following:
 - RTMP Integrations
 - SRT Encryption
 - FTP Authentication
 - XML Authentication
- > Improvements to XML web UI feedback when invalid URL is entered
- > Removed "NONE" option for SRT encryption in XML schema and REST API

V8.1.1.117.3

Features

- > Added software version and serial number to XML status

Bug Fixes / Improvements

- > Improved SDI input source detection
- > Improved update notification of a failed download
- > Improved logging for update retrieval
- > Fixed multiple sporadic streaming hangs on AV input changes
- > Fixed a crash in some cases of disabling HTTP Pull
- > Fixed an issue where users were experiencing poor 4K stream playback to YouTube

V8.1.0.116.3

Features

- > Added support for SRT Listener



- > Mux RTMP Integration

V8.0.0.115.3

Features

- > Added support for SRT stream ID

Bug Fixes / Improvements

- > Fixed possible failure to load static IP configuration on boot
- > Improved logging of unexpected errors
- > Fixed issue where Facebook stream would not start when set up using REST actions
- > Fixed an issue where some SRT socket options were failing to set
- > Improved NTP time accuracy
- > Updated web UI for increased compatibility with port forwarding

V7.10.0.109.3

Features

- > AWS IVS RTMP Integration
 - Refer here for guidelines on streaming to AWS IVS:
<https://support.videonlabs.com/hc/en-us/articles/4404815170963-Stream-to-AWS-IVS-RTMP->

Bug Fixes / Improvements

- > Fixed issue where web UI was sometimes failing to load all outputs

Known Issues

- > HDMI splitters of the Techole and Cable Matters brands have been found to not be recognized as a valid source with Videon encoders
- > USB drives must have a partition table to mount. Ensure the drive has a partition table and is formatted to FAT32.
- > When a chosen recording storage device is unplugged, a new storage device must be manually selected

V7.9.1.109.3

Bug Fixes / Improvements

- > Fixed an issue with setting up a stream to Facebook and stream title and description



would disappear after rebooting

- > Improvements made to network handling of the VersaStreamer 4K to automatically re-establish a lost connection on the network

V7.9.0.102.3

Bug Fixes / Improvements

- > Changed AV Input Preview max Thumbnail size to 320px to help prevent performance issues when using Input Preview
- > Updated stream outputs (RTMP, Unicast, Recording, etc.) to enable when their settings are changed.
- > Fixed an issue where specific SDI sources were experiencing audio static with fractional framerates

V7.8.2.102.3

Bug Fixes / Improvements

- > File recording's "Time Remaining" field now shows when the selected storage device is full
- > Facebook and YouTube RTMP integrations now dynamically adjust pairing poll interval to conform with respective platform API requirements to avoid pairing attempts being cancelled by Facebook or YouTube
- > Failed Facebook and YouTube pairing attempts now show an error message

V7.8.1.96.3

Bug Fixes / Improvements

- > YouTube and Facebook integrations were updated to meet ToS, new privacy and branding requirements, as well as use the latest API calls

V7.8.0.96.3

Features

- > Multi-channel audio support for non-HTTP outputs
- > Added a product registration splash screen on boot to appear until device has been registered



Bug Fixes / Improvements

- > Fixed File Recording sometimes failing to record to file

V7.7.0.96.3

Features

- > AV Input Preview feature added to Input Settings for confidence monitoring
 - This allows viewing up to 5 FPS of the video input and a real-time audio input level meter
- > Digest Authentication support added to XML Control
 - Users can now host XML configuration files on digest authentication protected servers
- > Factory Reset now clears all recorded files on the Internal Storage
- > XML REST API control has been moved to its own /xml endpoint and the xml control in the /system endpoint has been deprecated
 - The XML fields in /system will continue to function for V7.7, but **will be deactivated** in a future release
 - **If using the REST API to configure XML control**, please migrate functions to the new /xml endpoint according to the updated REST API documentation [here](#)

Bug Fixes / Improvements

- > File Recording device selection policy removed to simplify File Recording setup
 - Storage device is now always manually selected
- > File Recording Max File Size now set only in GB since most users had only used GB
 - Valid configurable range is from .01GB up to size of storage device
- > HLS Pull stability improvements
- > Secure streaming connection stability improvements (ex: SRT, SFTP)
- > Improved the Facebook RTMP integration to more accurately populate scheduled streams based on recent changes to Facebook's Live Video API

V7.6.0.85.3

Features

- > Akamai service provider option now available in RTMP Outputs
- > HTTP Pull now serves over port 8080 instead of port 80
 - This was a result of resolving CORS issues on HTTP playback
- > NTP section added to Device Settings to allow users to configure the time server the encoder syncs with



Bug Fixes

- > UI no longer fails to fully load when USB or SD card is improperly removed while recording
- > SRT now requires users to enter a password no shorter than 10 characters

V7.4.1.77.3

Bug Fixes

- > -10dB audio drop on encode fixed

V7.4.0.75.3

Features

- > Added support for SMPTE-334-2 608/708 Closed Captions via SDI for HD/UHD resolutions
- > Added Audio/Video Input statuses
- > HDMI connection EDID updated to "Videon"

Bug Fixes

- > Fixed an infrequent issue where the encoded video would frame shift with some sources
- > Improved UI load time
- > File record error LEDs corrected to reflect error states
- > HTTP Pull status corrected to reflect the on/off state
- > Improved network connectivity stability with static networks
- > DHCP lease renewal improved
- > Color space improvements on encode
 - Correct identification of Full vs. Limited scale
 - Correct identification of BT.601 vs BT.709 color space

V7.3.0.73.3

Features

- > Input Settings now shows a status in the UI
- > All Outputs now show status in the UI
- > "Recording and FTP" label changed to "Recording"
- > fMP4 is now the default media type for HTTP Pull



Bug Fixes

- > AV Synchronization stability fixes
- > Buffer management improvements
- > RTSP startup stability improvements
- > Recording now has the correct LED statuses reported
- > Device Name now appears next to Current Device in the Advanced tab
- > Facebook RTMP integration now loads “Stream List” information properly

V7.2.0.61.3

Features

- > The hardware button on the front panel now controls all RTMP outputs
- > The currently select device now shows in the “Select a Device” dropdown on the Encoder Control page
- > B-frame control for HEVC was added to be the same as the Quality/Latency control for H.264

Bug Fixes

- > Unplugging the Ethernet cable while running no longer reverts Static network settings to DHCP
- > SDI input locking stability improvements

V7.1.0.61.3

Features

- > V2 UI - [Walkthrough guide](#)
- > [V2 REST API and XML](#)
- > B-frames are now supported for HEVC encoding as the Quality/Latency setting
- > Video and Audio settings now have status messages in both the left sidebar and in the settings window when selected
- > Facebook now supports selecting scheduled streams on pages managed by the paired user
- > File Recording now has new features
 - MP4 record
 - Option to delete oldest recording from storage device when full
 - Storage device selection policies
 - 16GB internal storage now accessible
- > FTP is now part of File Recording settings



Bug Fixes

- > YouTube RTMP integration more reliably generates a pairing code

V6.5.0.61.3

Features

- > Release for Qualcomm-based VersaStreamer SDI

V6.4.0.61.3

Features

- > Facebook RTMP integration now supports editing event titles and descriptions

Bug Fixes

- > Improvements were made to file record stability
- > Software update logging improvements

V6.3.0.61.2

Features

- > Facebook RTMP integration now has support for scheduled streams.
- > Auto detect option added for AV input.
 - If both HDMI and SDI have valid video inputs, SDI will be used.
 - If both embedded HDMI/SDI audio and 3.5mm audio are detected, the embedded audio will be used.

Bug Fixes

- > Fixed issue where Encoder Settings would sometimes reset when VeraStreamer 4K was rebooted.

V6.2.0.61.2

Features

- > Modified encoder firmware update to include previous firmware files so the update does not have to be incremental.
- > Recordings on the Storage Device list are now ordered by date modified.
- > "srt://" dropdown was added to the SRT output tab so "srt://" is now automatically



inserted into the URL.

Bug Fixes

- > Smoothed out "bursty" network transmission for unicast and multicast out
- > Allow SRT settings to save even if the URL or port textfield(s) are blank
- > Modified the REST API so it does not save blank RTMP information

V6.1.0.61.2

Features

- > Interlaced input support
 - Note: After updating, reboot the board to get interlaced input support.
- > SRT XML control
- > Web UI displays banner when used on outdated versions of Chrome or an unsupported browser.

V6.0.0.43.1

Features

- > SRT output
 - We currently support the "Caller" mode
- > XML configuration from SD card
- > Advanced options resetting search by name box improvements

Bug Fixes

- > Fixed issue where web UI wrongly prompted after a change made to HTTP Pull
- > Fixed issue where recorded files couldn't be downloaded from the web UI.
- > Fixed issue where "Error Saving Data" error occurred when down scale video with frame rates of 23 and 24 fps as input source.

V5.0.1.43.1

Bug Fixes

- > Updated YouTube integration to use YouTube's new API.



V5.0.0.43

Features

- > RTMP Facebook integration
- > UnmountDriveNow was removed from the XML.
- > Loading icon was added to XML Settings when the XML Test URL button is clicked.
- > Added Storage Device section to the Advanced tab. The Safely Remove button was moved to Storage Device Management from File Record.
- > Added support for YouTube events
- > Removed DaCast integration
- > HLS playlist was renamed to master.m3u8
- > HLS feature has been renamed to HTTP Pull in the web UI and XML.
 - Any HLS settings set before updating may be erased after updating to V5.0.0.43.
- > More advanced validation was added to Network Settings.
 - The web UI will confirm IP addresses match the xxx.xxx.xxx.xxx structure.
 - The web UI will prevent the setting of IP address and gateway that aren't on the same subnet.
- > Hitting the enter key now presses the OK button in web UI popups.
- > Check for Update button in the Advanced page will be greyed out when there are no updates available.

Bug Fixes

- > Fixed issue where host names were not resolving with a custom DNS.
- > Fixed issue where encoded video resolution was displaying 1080p30 with 1080p60 input and Limit to 30 FPS turned off.

V4.1.0.43

This release is a transition release to a new software update process. No new features or bug fixes were added. An SD card must be inserted into the VersaStreamer 4K to update from V4.1.0.43 to V5.0.0.43.

V4.0.1.43

Features

- > Optimized and improved stability and control of network settings.



- > More advanced validation was added to Network Settings.
 - The web UI will confirm IP addresses match the xxx.xxx.xxx.xxx structure.
 - The web UI will prevent the setting of IP address and gateway that aren't on the same subnet.
- > Hitting the enter key now presses the OK button in web UI popups.
- > Improved long term stability of VersaStreamer 4K.

Bug Fixes

- > Timestamps in RTP packets headers now increment for multicast.
- > For USB or SD card storage, 0 hours was removed when there is less than 60 minutes of storage remaining.

V4.0.0.43

Features

- > Improvements were made to the debug information. Debug information can be downloaded on the Advanced page of your VersaStreamer 4K's web UI.
- > Username (admin) was added to the Security section of Device Settings.
- > Updated REST API documentation for Multiple RTMP.

Bug Fixes

- > Fix issue where the VersaStreamer 4K would not be accessible after switching network settings from Static to DHCP.
- > Fix issue where the VersaStreamer 4K's gateway was automatically getting changed to 0.0.0.0 with certain static network settings.
- > Fix issue where audio would not work in multicast, if the audio source was added after streaming started
- > Added constraints to the device dropdown for Reset Settings to only allow available devices to be reset.
- > Fix Device Settings page to prevent user from setting the Device Name to nothing.
- > Fix issue where the VersaStreamer 4K would crash when setting up [Direct Connect](#).
- > Fix random crashing with HLS.

V3.1.0.43

Features

- > File record to SD card



- If both an SD card and a USB drive are inserted, the VersaStreamer 4K will choose the first one inserted to record to.
- > The file size for recorded files has been increased to 2 GB.
- > Improved debug logging.

Bug Fixes

- > Fix the issue where the Stream List in the YouTube integration would go blank after being paired for several hours.
- > Improved handling of video frame errors

V3.0.0.43

Features

- > Multiple RTMP streaming
 - The VersaStreamer 4K includes 3 RTMP outputs to allow streaming to multiple RTMP destinations at once. RTMP outputs can be configured by opening “Output Settings” on the “Encoder Control” page.
- > XML Configuration
 - VersaStreamer settings can now be configured via XML.
 - To setup XML:
 - Navigate to “Device Settings” on your VersaStreamer’s web UI
 - Click “XML” on the left
 - Turn “Configure Using XML” on
 - Enter a URL where your XML file is located.
 - Press Save
 - Refer to the [Videon Help Center](#), for more information on configuring your VersaStreamer using XML.
- > Configuration of RTMP now allows configuration values that may not work at the time of configuration.
- > RTMP, once enabled, will indefinitely continue to retry connection to the server using the specified user configuration every 20 seconds.
- > 320 kbps Audio Bitrate was added to Encoder Settings.

Bug Fixes

- > Improved stability of device discovery and intercommunication when there is network loss.
- > Fixed issue where network loss would cause static network configuration to become DHCP.
- > Fixed issue where streaming to Wowza, then switching to another integration then



- back to Wowza using the same stream name as before caused the stream not to start.
- > Fixed issue where Wowza integration configuration would be deleted if booted up without a source with RTMP enabled.
 - > Fixed issue where if audio was turned off while streaming RTMP audio would not come back when turned on.
 - > Fixed issue where the “RTMP is streaming” checkmark would persist in the RTMP Output window after input source was unplugged.
 - > Timestamps in RTP packets headers now increment for unicast.
 - > Fixed issue where streaming 4K to YouTube caused periodic freezing.
 - > Fixed stream to give the correct MPEG audio version in ADTS header.