



## VersaStreamer 4K Release Notes

**2022-06-20 V8.4.0.141.3**

### Bug Fixes / Improvements

- > Security enhancements
- > Bug fix for Generic RTMPS stream URL requiring manual selection of 'rtmps://' protocol



## V8.3.2.141.3

### Bug Fixes

- > Resolved issue where downloaded file recordings are corrupted when downloading multiple simultaneously
- > Resolved an issue where key frame interval limits were not being enforced when set through XML.

### Improvements

- > Software update reliability enhancements
- > Improvements to verbiage of error messages for File Record feature

### Known Issues

- > Generic RTMPS stream URL requires manual selection of 'rtmps://' protocol



## V8.3.0.117.3

### Improvements

- > 720x480 encoder scaling resolution replaced with 854x480 resolution in support of 16:9 widescreen
- > Improved reliability of network diagnostics via SD card or USB drive

### Known Issues

- > Android OS update bug that may require cold boot during a software update
- > Generic RTMPS stream URL requires manual selection of 'rtmps://' protocol

## V8.2.0.117.3

### Bug Fixes / Improvements

- > Further improvement of SDI lock
- > Videon Web UI is now supported across Firefox, Safari, and Edge web browsers in addition to Chrome
- > Videon Discovery app rebranded to match website color scheme and logos
- > Videon Web UI rebranded to match website color scheme and logos
- > Video bitrate minimum adjusted to 100kbps



- > Keyframe interval minimum adjusted to 1 frame (for iframes only)
- > SRT streaming status now included within HTTP query parameters for XML
- > Configurable file recording filename date/time settings
- > Improved load time of AWS IVS RTMP channel list when using multiple channels

### Known Issues

- > Generic RTMPS stream URL requires manual selection of 'rtmps://' protocol

## V8.1.4.117.3

### Bug Fixes

- > SDI signal lock bug fix
  - **\*Note: In environments where the video format is switched mid-stream using SDI, in some cases there can be static in the output audio feed. Stopping and starting the stream corrects the issue. This issue is resolved in the next release after V8.1.4.117.3\***

### Known Issues

- > Generic RTMPS stream URL requires manual selection of 'rtmps://' protocol



## 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.

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