

FW 5.1.2 Build 2 Release Notes – Critical Bug Fixes

The CHeKT Video Control Panel Firmware release notes include new features and bug fixes added since FW version 5.1.1 Build 5. This firmware update is designed to enhance current CHEKT Dealer and Monitoring Portal features, while others are designed to support new features and future portal development.

Notes for Dealers

Dealers should anticipate the firmware update process to take between 5 and 10 minutes, depending on the download bandwidth available on the site. If you notice the process is taking longer, we advise you to allow your video control panel at least one hour before attempting a power cycle or reboot.

Firmware Update Notes

BUG FIXES

- CRITICAL FIX:** Error response code 500 is returned with the Local Bridge API is used for alarm events and the API call includes a video event. (Note: The directly affect Camect Integrations)
 - This problem was introduced with Firmware 5.1.1.3 and higher.
 - Patched in 5.1.2.2
- CRITICAL FIX:** Cloud AI filtering failure because of a time gap on CHeKT Bridge and NTP.
 - The issue is in time calculation, it utilizes monotonic clock instead of wall clock.
 - The time gap happens when NTP time sync happens between CKB and CHeKT cloud.
 - This issue could happen on any long running RTSP stream client.
 - This problem was introduced with Firmware 5.0.0.0 and higher.
 - Patched in 5.1.2.2
- FIXED:** 2 Minute Playback Videos are not created when the video source uses iFrame/GOP value of more than 1 second.
- FIXED:** Improved video streaming of playback from camera SD cards.
- FIXED:** Incorrect last_frame_date_and_time_cam for playback of video from camera SD cards.

CHANGE Functions

- CHANGED:** Improved Profile G support for Hikvision Cameras
- CHANGED:** Removed HW video encoder support because of limitations.
- CHANGED:** Video iFrame/GOP default spec from 8 to 16. Using a 2-1 ratio of FPS to iFrame.
 - Change allows for better video quality.
- CHANGED:** 8gop to 16gop of the second stream of Axis camera. Auto set stream configuration is not applied for Axis cameras, so it needs to be changed in RTSP URL of the second stream for Axis cameras.
- CHANGED:** Removed depreciated API calls.
- CHANGED:** Increased timeout of RTSP request to 15s from 5s
- CHANGED:** LocalTime to CKBTime, SystemTime to CameraTime for easier reading.

ADDED Support

1. ADDED: UptimeWallClock
 - a. uptimeWallClock is calculated by monotonic clocks
 - b. uptimeWallClock is calculated by wall clocks (affected by NTP time change)