FW 4.2.0 Build 4 Release Notes – Minor Release

Date: 21 December 2023

The CHeKT Video Bridge Firmware release notes include new features and bug fixes added since FW version 4.1.2 Build 1. This Video Bridge 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 taking longer, we advise you to allow the Bridge at least one hour before attempting a power cycle or reboot.

Firmware Update Notes

BUG FIXES

1. FIXED: HTTP Commands in Automation Action fail if the URL has an ASCII Control Character.
2. FIXED: Annotation Report on AI Filtered events 400 error.
3. FIXED: Camera password containing 'mp4' caused improper FFMPEG flags.
4. FIXED: Automation Rules creating events on multiple cameras, created only one event.

ADDED:

1. ONVIF METADATA: Added Support for reading camera data using ONVIF Metadata instead of PullSubscription API.
2. NEW HARDWARE: Added support for upcoming CKB416v1 Video Control Bridge
3. FIRMWARE CHECK: Added routine for firmware checking and repair if the firmware update process was not completed properly.

CHANGES

1. TIMELASPE INTERVAL: The Timelapse snapshot interval was changed from 60 seconds to 20 seconds in preparation for a new Virtual Guard Tour feature that will use the timelapse function.
2. SET CAMERA TIME: When the Bridge is mounting a camera, it will no longer attempt to set the camera time during the initial mounting process. The camera time is set after the mounting process is completed on a one hour interval, only if TimeSync is enabled.
3. AUDIO COMMAND: Changed timeout duration from 5 seconds to 10 seconds to improve communication with IP Speakers.
4. RTSP AUDIO COMMAND: Changed teardown command from 5 seconds to 1 second to improve support with OPTEX INS-CUBE camera.

NEW FUNCTIONS (Pending FRONT-END Development)

1. MOTION EVENT SCORING: The Score Filter is designed to reduce excessive AI usage charges generated from cameras with poor analytics. If your camera only supports motion detection, this feature, when enabled, will analyze the "Score" of the event based on motion and lighting changes as a best effort to determine if the event should be sent for AI analysis.
2. VIRTUAL GUARD TOURS: Internal logic was added to support a new Virtual Guard Tour function. When available, a scheduled Virtual Guard Tour is initiated to the alarm monitoring center. Based on a defined scheduled time, a Virtual Guard Tour signal is transmitted to the monitoring center, giving a monitoring center agent access to live and time-lapse video from the site.