

FW 3.0.0.0 Release Notes – Major Release

The CHEKT Video Bridge Firmware release notes include all features and bugfixes added since FW version 2.8.0.0. This Video Bridge firmware update is designed to enhance current features already available in the CHEKT Dealer and Monitoring Portal, while others are designed to support new features and future portal development.

Notes for Dealers

Dealers should anticipate the firmware update process taking 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

- CKB304v0 Bridges do not support voltage arming—fixed invalid voltage programming for this Bridge hardware.
- If the site arming source was changed while an event occurred, the events were not reported to the CHEKT cloud.

New Hardware Support - CKB312

This firmware is required for all CKB312 Video Bridge hardware. The CKB312 Video Bridge is a 12 channel Bridge with the following hardware features

- 12 – Video Channels w\ 12 Blue LED Status Lights
- 12 – Digital Inputs w\12 Red LED Alarm Lights
- 4 – 5 Amp Relays
- 1 – Voltage Arming Pin
- 1 – Ethernet Adaptor
- 1 – Audio Output

New Firmware Features & Improvements

- Added relay control in the End-user mobile app.
- Improved Local Admin Web Page for System Monitoring and Additional Tools
- Detailed event activity logging (Improvements displayed on a site Activity Report)
- Reduce Network Bandwidth Utilization
- Support for new OPTEX InSight Camera Sensors
- Support for New Digital Watchdog [MegaPix IVA and IVA+](#) AI Cameras

NEW – Reduce Network Bandwidth Utilization

- Changed the renew authentication interval to 12 hours from 5 minutes
- Changed pinging-cloud interval to only-really-necessary from 2 minutes
- Reduce real-time connection to the cloud to 1 connection from 5 connections
- Changed the sync time interval to 12 hours from 1 hour
- Changed DNS rearrange interval to 12 hours from 1 hour
- Changed upload logs interval to 12 hours from 1 hour

NEW – Digital Input & Analytics Cross Zoning (Future Portal Development)

- Will allow dealers “cross-zone” event detection, using physical sensors and video analytics from mounted cameras.

NEW – Analytics Event Controls (Future Portal Development)

- Will allow dealers to select which analytic event rules from a video stream should create an alarm and video event trigger.
- Will provide dealers with statics on analytic event triggers.

NEW – Master Bridge Area (Future Portal Development)

- Allows all Bridge on one site to follow the voltage arming of one Bridge
- Allows event trigger on one Bridge to create an event of a camera on a different bridge.

NEW – Event Suppression (Future Portal Development)

- Gives dealers a new “Swinger Bypass” setting. When the value is reached during an armed period, the zone will automatically bypass any additional events until the next arming period. The Bridge will send an E750 code for the bypass event.
- Creates new “Circuit Breaker” rules for Runaway trigger on the arming pin or digital input alarm zones.
 - Soft Suppression: If an input “Physical Trigger” or “Analytics” hits 30 triggers without at least 10 seconds break between any individual trigger, the zone will be shutdown for 1 hour.
 - Hard Suppression: If a zone goes into Soft Suppression 3 times within 3 hours, then Hard Suppression will be activated. Once a zone is in Hard Suppression, it will remain disabled until restored by CHEKT support.

NEW – Automation Rules (Future Portal Development)

- Will allow dealers to create automatic actions rules for talk-down services or relay outputs based on time and sensor event activity.