



CHeKT Firmware 6.2.0 Release Notes

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Improvement Notes

The CHeKT Video Control Panel Firmware release includes new features and bug fixes added since FW version 6.1.0.2. This firmware update introduces configurable swinger bypass auto-reset, expands camera API support, increases audio message capacity, and puts firmware in place for upcoming temporary actions (Temp Disarm and Temp Bypass) and embedded camera functions. It also delivers improvements to arming accuracy, partition reliability, multi-VCP communication, camera session handling, and network stability.

Notes for Dealers

The update process is expected to take 5 to 10 minutes; during this time, do not interrupt or restart the system. If completion takes longer than expected, allow up to one hour before attempting a restart.

Firmware Versioning Change

As part of a restructuring of our firmware development process, CHeKT has transitioned from a four octet firmware versioning scheme (e.g., 6.0.2.1) to a streamlined three octet representation (e.g., 6.2.0). The previous four octet format was designed to accommodate an additional layer of granularity that reflected an older internal development and release workflow. With the reorganization of our firmware development pipeline, that extra versioning segment is no longer necessary, and the simplified three octet model, following the widely adopted Major.Minor.Patch convention, better aligns with our current development cadence and release structure.

This change is purely organizational in nature and does not affect device compatibility or functionality. Any firmware versions previously expressed in the four octet format have been mapped to their corresponding three octet equivalents going forward.

New Features

Swinger Bypass Auto-Reset

- A camera placed into swinger bypass can now be configured to restore automatically after a set period of time. The restore timer begins when the swinger bypass is initiated
 - The restore time is set per device in the Dealer Portal under Device Configuration > Alarm > Swinger Bypass

Upcoming Temporary Actions: Temp Disarm & Temp Bypass

- This release puts VCP firmware functionality in place to support upcoming temporary actions. The capability will be included in the front end experience in a later release
 - **Temp Bypass:** a camera can be bypassed for a set duration and is automatically returned to service when that time expires. A duration of 0 keeps the camera bypassed until the system is disarmed
 - **Temp Disarm:** a system can be temporarily disarmed for a set period of time

Upcoming Embedded Camera Functions in HTTP Actions

- This release puts VCP firmware functionality in place to support upcoming embedded camera functions such as relays, lights, and other actions. The capability will be included in a later release

Enhancements

Expanded Camera API Support

- Milesight has been added to the supported camera API list so it appears in the Dealer Portal support list.
- A Hanwha camera API backend has been added to the firmware and to the supported API list. Dealer Portal availability will follow in a later release

Increased Audio Message Capacity

- The VCP audio message cache limit has been raised from 20 to 40 messages

Diagnostics

- Log cleanup for more efficient issue analysis
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Bug Fixes

Alarm & Arming Behavior

- Resolved an issue where partitioned sites could boot offline with no partition configuration. Partition configuration is now restored from the SD backup, so armed partitions continue to produce alarms and recordings while the cloud is unreachable
- Resolved an issue where a partition set to High Voltage Arming did not reflect the current Digital Input level at boot or when a Digital Input was newly assigned, leaving the partition disarmed until the input changed state for the first time. The partition now reads the Digital Input level immediately and arms or disarms to match. On multi-VCP sites, the Digital Input level is also shared between the main and sub VCPs
- Resolved an issue where the exit countdown did not start on the next arming if the system was disarmed during an exit countdown
- Resolved an issue where alarm signals (E134) could be sent after the system was disarmed, when AI analysis was still in progress at disarm time and a late or timed out result was delivered through the fallback path

Camera Integration

- Resolved an issue where camera event streams were left open after the authentication nonce expired, building up unused sessions on the camera and causing the AXIS analytics page to load a black screen

Multi-VCP & Cloud Communication

- Resolved an issue where the InformationCenter secret key was rotated when only the NetworkManager key changed, which could cause a sub VCP on a multi-VCP site to be rejected by the broker until its next configuration refresh
- The device discovery log is no longer uploaded to the cloud, preventing it from exceeding the 256KB cloud limit on large sites

System Stability & Networking

- Resolved an issue where the watchdog could stop the icManager service immediately after a restart
 - Resolved an issue where the network restarted every 5 minutes on devices using only eth1 (e.g. CKB416) when no cable was connected to eth0
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Component Versions

video-device-bridge	v6.2.0
ckb	v0.14.18
onvif	v0.19.20
peer	v0.9.9
streamer	v0.28.32
vd	v0.18.21