



# VCAcore Release Notes

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VCAcore Version: **1.1.3**

Release date: **3/10/2019**

VCAcore is an analytics engine developed by VCA Technology. VCAcore is available on many platforms; including dedicated hardware devices such as the VCAbridge unit, standalone applications for Windows and Linux (VCAserver) and as the VCAsdk libraries which can be integrated into camera/embedded hardware or into VMS applications.

The release notes outline all the changes made to VCAcore in this release period. Changes and features described are valid for all platforms listed under [Supported Products](#).

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# Release Summary

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Release v1.1.3 is a new firmware specifically for VCAbridge on the VBP2000 hardware. Additionally, there are a number of minor fixes.

## Supported Products

- VCAbridge (VBP2000)

## Major Features

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As this is a hotfix, there are no major features included as part of this release.

## Minor Features

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As this is a hotfix, there are no minor features included as part of this release.

## Bug Fixes

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This release contains fixes for the following issues:

- Improved hardware encoding/decoding performance on VCAbridge
- Resolved issues where static ip settings are lost on reboot
- Resolved issues with fallback ip address remaining after DHCP is restored

## Historic Fixes

Historic fixes record all fixes made to VCAcore regardless of platform

### v1.1.0

- The GStreamer backend has been upgraded to v1.16
- HLS settings have been tweaked to improve stability
- Corrected an issue where the Sureview template in the HTTP / Email action was not creating the correct XML template.

### v1.1.1

- Corrected an issue where it was possible to add more than two line counters to a single zone (line).
- Corrected an issue where when returning back to view a channel stream it appeared blacked out.
- Connection to VCAcore RTSP server is now faster and more stable.
- Fixed direction widget not showing when adding new direction rule.
- The VCAcore UI now uses single system stats SSE stream instead of separate cpu, memory and uptime.
- Zones are converted from polys to lines when a line counter is attached.
- Added line counter properties to LR graph.

- Line counter properties are now synced across all other line counters attached to the same zone.
- Fixed direction property name mismatch.
- Fixed incorrect direction being shown when switching between zones.
- Fixed zone not being updated on line counters.
- Fixed favicon being constantly requested by the UI.
- Fixed VCA filter rules being deleted when switching between channels.
- Only display direction widget for current channel
- Fixed 'Delete All' zones button.
- Added separate action for delete all that checks if any zone is in use
- vca-observable: Replaced incorrect use of this.pop with splice and fixed incorrect variable name.
- Line counter properties are now hidden when zone is null.
- Fixed bug causing the wrong zone to be deleted.
- Split the line counter observable into 2 separate ones for A and B
- General network improvements around falling back to 192.168.10.10 when DHCP fails.
- IPAdmin tool will now report the current IP address when the VCABridge is using DHCP or when a static IP address has been set. Please see known issue for behaviour when on the fallback IP address 192.168.10.10.
- Removed speed-preset console warning.
- Fixed events not being generated when LR direction is attached to a line.
- Fixed bug where events are generated for both line counter and directions even though only one is selected.
- Fix crash caused by divide by zero.
- Fixed bug where some snapshots are not added to an email action.
- Fixed a bug where having multiple actions with templates caused a crash.
- Fixed headers when sending multipart HTTP requests

## v1.1.2

- The ONVIF discovery and events service has been restored
- Fixed recurrent Learning Scene issue in VCAServer (Windows)
- Fixed issue where VCAcount and VCApresence licences were not being correctly handled in VCAServer
- Fixed issue when calibrating a direction rule which resulted in the UI focus falling to the docked zone view

## Known Issues

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Outlined below are known issues, that are under consideration by the development team.

- The Deep Learning Filter currently requires NVIDIA GPU's to have a compute capability of 6.0 or greater. If a GPU does not fulfil this requirement, VCAcore will default to using the CPU. This will be corrected, enabling NVIDIA GPU's with a compute capability of 3.5 or greater, in a later release.

## Release History

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Below is the release history for v1.1.x covering the major and minor features released regardless of platform.

## **v1.1.0**

- VCAsdk released
- ONVIF Discovery and Events Support
- Additional Logical Rules Support
- Arm / Disarm Actions and Sources
- Deep Learning Filter Options
- Verifier HTTP Action Template

## **v1.1.1**

- CPU and Memory Information for VCAbridge
- Filters in Logical Rule

## **v1.1.2**

- No features included as part of this release.

For support queries and documentation please see [VCA Technology support page](#).

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