



VCAcore Release Notes

VCAcore Version: **1.2.0**

Release date: **18/10/2019**

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 (VCAserver) and as the VCAsdk embedded libraries which can be integrated into camera and DVR firmware or embedded 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 which VCAcore is distributed on (Bridge and Server) unless otherwise stated.

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Release Summary

Release v1.2.0 introduces a new VCAbridge package with a number of new features and bug fixes.

Supported Products

- VCAbridge (VBP3500)
- VCAbridge (VBP3510)

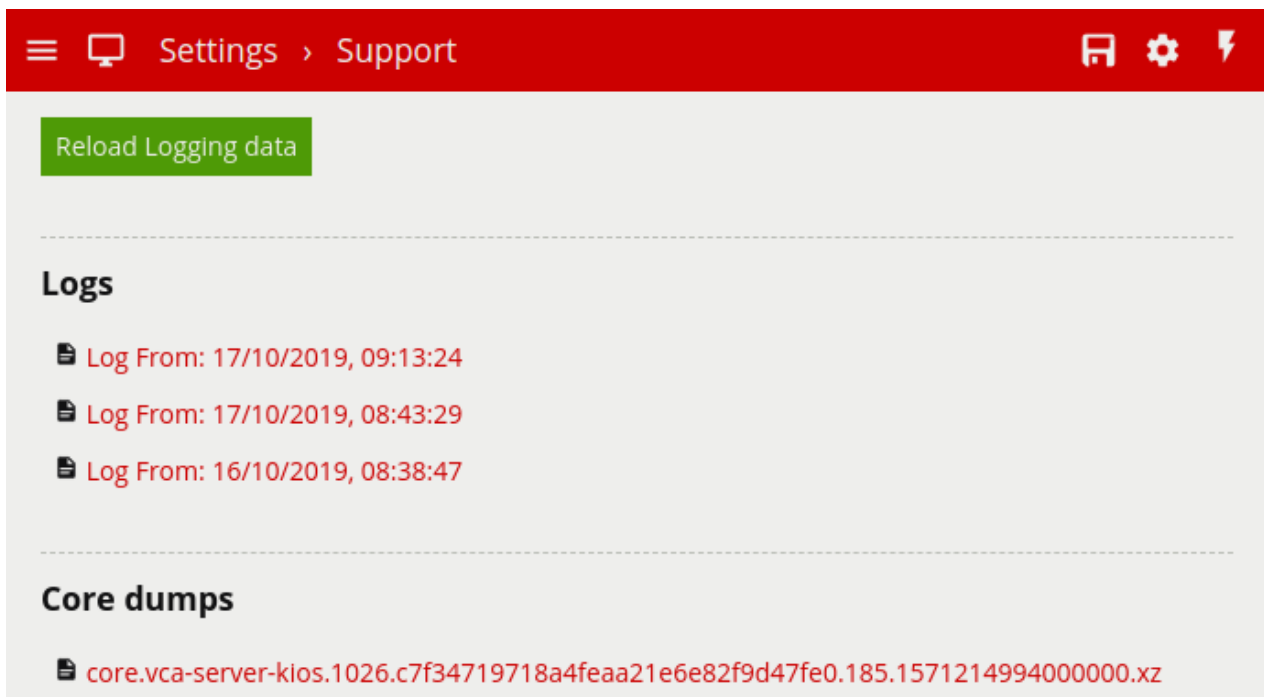
New Features

Within this section an overview of the major new features added to VCAcore is provided.

1. System Logging
2. Licence Selection

System Logging

An additional page called Support has been added user settings. Here tools for aiding in the support of VCAcore will be housed. In this release, VCAcore logging has been added with those log files available for download in a user readable format.




VCAbridge has an additional debug tool in the form of core dumps. These files provide additional information on the system state in the event of system crashes.

These files can be submitted to VCA Technology's support staff to help resolve the issue.

Licence Selection

The option has been added to allow the selection of a particular licence type when adding a video source in VCAcore. This allows instances of VCAcore with more than once license type installed (e.g. Pro and Count licenses) to assign a relevant license to a particular source using the License drop down box.

Name:	My RTSP Source	▼	
Type:	Rtsp		
URI:	Enter URI of source		
User ID:	Enter user id/username if authentication is required		
Password:	Enter Pasword if required		
Enable Keep-alive:	<input type="checkbox"/>		
Use RTP over TCP:	<input type="checkbox"/>		
License:	Bridge 16ch ▼		

Bug Fixes

This release contains fixes for the following issues:

- Fixed an issue where rtsp streams would periodically restart when using certain cameras with metadata streams.
- Improved rtsp server performance on Bridge (using hardware encoding).
- Fixed issue where changes to the web port on VCAbridge were not persisted between restarts.

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

v1.1.3

- 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

Known Issues

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.
- There is a known issue with Chrome v76+, and any version of VCABridge before v1.1.1. When upgrading through the UI, after browsing for the upgrade file the user is not able to press upload button. Repeating the process using Firefox or Safari will allow the upgrade to be completed, at which time the upgrade process will be accessible again in Chrome.

Release History

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.

v1.1.3

- No features included as part of this release.

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

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