



RELEASE NOTES

VALERUS DESKTOP CLIENT BUILD 22.100.247.6659

February 2023

A large, semi-transparent watermark of the VICON logo is centered on the page, rendered in a darker shade of blue than the background.

General Description

Vicon is releasing a new desktop client application for Valerus VMS. This is the initial public release. Installing this version with a currently installed Valerus VMS instance will not require any new licensing and will not change any system settings.

These release notes will outline the features and known issues for each module.

Windows Desktop Client Features and Functionalities

Login and Logout

Users will be able to login with the existing Valerus credentials; required details for the login are as follows:

1. Username
2. Password
3. Server address

Monitoring Tab

Users can navigate the monitoring screens similarly to how they use the existing thin-client. The following features are provided in the current build:

1. Select Layout
2. Change Layout
3. Drag Individual Camera/Resource to Grid
4. Select Multiple Cameras and Drag to Grid
5. Drag Views to Grid
6. Drag Tours to Grid
7. Drag Web Pages to Grid
8. Drag Resource Folder to Grid
9. Stop All
10. Export
11. Search a Resource Under the Resources Tree
12. Detach
13. PTZ Zoom In
14. PTZ Zoom Out
15. PTZ Pan
16. Snapshot
17. Bookmark
18. About
19. Group Hierarchy

- 20. User Settings
- 21. Full Screen
- 22. Maps
- 23. Digital Zoom
- 24. Masking
- 25. Dewarp
- 26. Display Thumbnail on Timeline
- 27. Audio Playback
- 28. On the Fly Codec change Support
- 29. Live Streaming Protocols

Known issues in this module:

1. Sometimes, when the user clicks at a particular time on the timeline, the cursor position is not updated correctly, but the player will show the correct playback from that time. On some occasions, the timeline also freezes.
2. Sometimes, while using playback functions like fast forward and fast rewind, cursor on timeline control is not moving in sync with actual video time stamp. This issue is due to a gap in communication between player and client; the team is working to fix this.
3. Occasionally, the player timeline freezes in fast forward or fast rewind mode; if clicked on go to the current time, timeline shows the cursor position and starts working.
4. While working on playback for 4K cameras, users may see a longer response time than they will on lower resolution cameras.
5. When clicking on any camera icon on a map, the player will always pop up in the top left corner of the map rather than the position of the camera icon.
6. 4K resolution streams may lag in both live and recorded playback.
7. "Return To Last Display" has issues when switched within servers; detached windows are not restored.
8. While using digital zoom on 4K streams, users may sometimes see black or green pixelation.
9. Rarely, a 4K streams might freeze when using digital zoom.
10. Export does not work for removed channels.
11. If the recording of the camera is in different codecs, for example some part of it is in H.264 and some is in H.265, then the playback gets stuck but starts working if user manually seeks on the timeline.
12. For some installations, digital zoom does not work if playback is paused.
13. Digital zoom feature does not work for removed channels.
14. Dewarping a fisheye camera with a mask shows a black screen.
15. Home Preset is not displayed if a dewarp camera is drag-drop into the grid.
16. Mask/Unmask doesn't work while paused.

17. Playback freezes for a few seconds (approximately 10-12 seconds) if unmask/mask is done.
18. Rarely, some users have seen Application crashes when exporting video or audio.
19. N/A is displayed on Export form for a camera that has a mask.
20. No Audio can be heard on Export form.
21. The reference box for digital zoom misaligned and does not work for all areas if user has enabled "Keep Video Aspect Ratio" in User Settings.
22. Sometimes the red line disappears on "Play from time" popup for AAC compression.
23. Some users have reported rare Application crashes on Event/Alarm Search page while selecting the results one by one.
24. A tour will pause if a user adds a camera with masking enabled.
25. The Application may crash if an existing camera with mask is edited from the thin client.
26. Masks do not get applied on a camera in playback mode.
27. Playback and dewarping do not work for ViconNet Gateway cameras.
28. Black stream is displayed on export form for ViconNet Gateway cameras.
29. Tour freezes if any view is deleted from the tour.
30. Camera stream gets distorted if mask is applied for a camera that has camera analytics enabled.
31. Dewarp display view does not move smoothly as compared to thin client.

Search Tab

The following features/functionalities are provided in the current build:

1. Thumbnail Search
2. Museum Search
3. Event/Alarm Search
4. Audit Logs

Known issues in this module:

1. Sometimes, playback will appear choppy on the Thumbnail/Museum and Event Search Result page.
2. Masks are not displayed on Thumbnail/Museum results.
3. For Thumbnail and Museum Search, lag is observed for fisheye cameras that have masks enabled.
4. Sometimes, if the user leaves and returns to a Thumbnail Search, they will see a black stream and a fluctuating date/time.
5. Sometimes, if a user leaves and returns to a Museum Search, the video stream recording timeline will disappear.

Alarms Tab

Following features/functionality are provided in the current build:

1. Display Count of Selected Alarms
2. Display Alarms Assigned to Me
3. Response Procedure
4. History
5. Search Alarm
6. Handle Alarm
7. Close Alarm

Known issues in this module:

1. If the user selects more than 10 alarms, a warning that “up to 10 alarms can be selected at a time” will pop up, but it may continue to display at regular intervals after dismissing the warning.
2. The “Create Bookmark” button and the bookmark information window are not displayed on the Alarms tab.
3. Masks are not displayed on video within the Alarms tab.
4. Sometimes, in the Alarms tab, the camera stream is black for a minute before displaying the stream. This issue is not readily reproducible but may occur for some users.

Configuration Tab

Users with Valerus version 22.100.110.xxxx and above will have automatic access to the Configuration screen when the navigation item is clicked. For users with lower versions of Valerus, a login screen will display, and users can login with their credentials and access the Configuration module.

Known issues in this module:

1. Localization settings for Desktop Clients are not accepted by the Configuration tab.
2. Users cannot open resource configuration directly from the monitoring screen.
3. Sometimes, users will see a “forced logout” message on the configuration page. Users should log out and back into the Desktop Client to resolve the issue.
4. Limitations of Configuration’s webview implementation for Desktop Client are mentioned under the Limitations section of this document.

Dashboard Tab

Users with Valerus version 22.100.110.xxxx and above will have automatic access to the Dashboard when the navigation item is clicked. For users with lower versions of Valerus, a login screen will display and users can login with their credentials and access the Dashboard module.

Known issues in this module:

1. Localization settings for Desktop Clients are not accepted by the Dashboard tab.
2. Dashboard notifications are not integrated yet, and links from activity mapping to audit log page are not yet implemented.
3. Sometimes, users will see a “forced logout” message on the Dashboard page. Users should log out and back into the Desktop Client to resolve the issue.

Localization

The localization feature has been implemented and is referring to 22.1 localization files.

Known issues in this module:

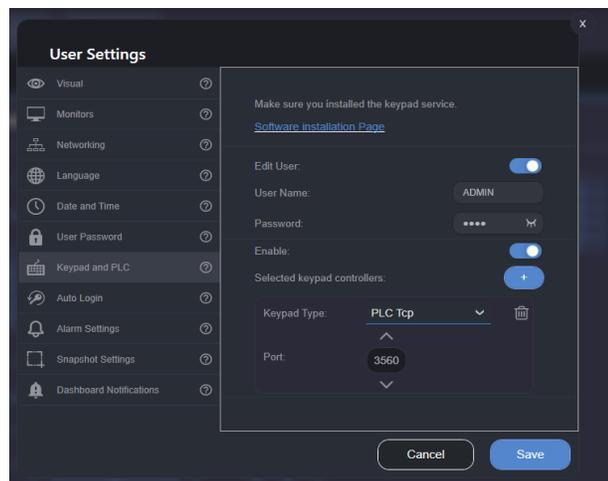
1. When a user selects a language other than English, some buttons or menu items may not show the selected language. The Desktop Client team is looking into this.

System Performance Indicator

This feature is implemented and is available in the current version.

PLC Keypad Support

1. **Remote Support:**
If the keypad is connected to any of the systems using VMS and if the commands are sent from the PLC keypad, all those commands are understood and executed by the Desktop Client.
2. **Local Support/Hardware Integration:**
PLC keypad local support is integrated in Desktop Client; below is the process to configure the PLC Keypad.



1. Make sure that the PLC Keypad service is installed on your machine, and it is running.
2. Go to User Settings.
3. Select Keypad and PLC option.
4. Click on enable toggle button.
5. Click on the + button that will appear below the enable toggle button.
6. Select PLC Tcp or the keypad name from the Keypad type dropdown.
7. Keep the port as it is and click Save.

Known issues in this module:

1. Issues mentioned under the monitoring module for playback features are also present when the user tries to do playback using PLC.
2. Multiple Keypad types are not displayed under the Keypad dropdown in the User Settings page.
3. Only Vicon VN-KEYPAD is supported through the Desktop Client.
4. PLC-TCP Simulator implementation has issues, and all the commands are not supported.
5. Other PLC Keypad models are not supported yet.

User Roles and Authorization

1. System Authorization

System Authorization is completed and provided in this build.

2. Resource Authorization

Resource Authorization is completed and provided in this build.

Known issues in this module:

1. For Search, Alarm results, user is able to do live preview even if the user does not have live preview permissions.

Installer Issues

1. Valid Publisher Name is not displayed while installing the Application. It shows "Unknown Resource." Users will need to select "Run Anyway" when installing.

Limitations

All the features supported by the respective Valerus VMS version will be supported by the Desktop Client. Below are the limitations in Desktop Client:

- Configuration and Dashboard modules will be supported end-to-end from Valerus version 22.100.106 onwards. For prior versions, users will be prompted to manually log

in again from the respective tabs. They will need to navigate to that specific module once logged in; specific module access is not provided for the prior versions.

- Internal navigation from Monitoring to Configuration is not supported in Desktop Client. For example, if a user right clicks on a camera from the Resources tree and selects Configuration, the user will be redirected to the Configuration page, but the configuration options for that camera resource will not be displayed.
- Similarly, links within the Activity Mapping module in the Dashboard will not correctly map to the audit log.
- Within the Dashboard, links to Configuration pages will not work correctly.
- Within the Configuration screens, users will see resource snapshots rather than live video.
- Savvi-based Analytics Search will not be supported by the Desktop Client.
- User setting for hide/show notification on the Dashboard will not work.
- User setting for Network (protocol) for streaming and playback will not sync in Network Configuration.
- Mask can be created from Desktop Client only if the Valerus version is 22.200.123.27222. Users with previous versions of Valerus should use the thin client to configure masks.
- Solid mask color palette under Configuration does not work in Desktop Client.
- Currently, users must enable and configure Dewarping from the thin client.

Feature	Valerus Version				
	22.2	22.1	21.1	20.2	20.1
Configuration	Yes	Yes	Auto Login not Supported	Auto Login not Supported	Auto Login not Supported
Dashboard	Yes	Yes	Auto Login not Supported	Auto Login not Supported	Auto Login not Supported

Pending Feature Implementations

1. Synchronized Playback
2. 4K Playback Optimization
3. VMDC
4. Auto Sync Monitor IDs

Availability

The Desktop Client software 22.100.247.6659 is available on Vicon's website. A quick guide will be provided to guide through the installation process.