









CleverScan Software Release Notes

Version 1.3.11 released on [2018/12/21](#)

Changes


























-  PointCloud double click bug has been fixed
-  Update timeout has been increased
-  Some fixes in translations
-  SideView image font in VX reports is more visible
-  SideView image artifacts in VX reports fix
-  ManholeNameDialog visibility on low resolution
-  GStreaem timeout has been increased






Known Issues

-  Some cameras are showing some strange artifacts during first startup.
-


Version 1.3.8 released on [2018/11/22](#)

Changes

-  SideView observation images are recalculated after position change
-  Measurements values are updated dynamically
-  Filter catalogs basing on status and date
-  **UI redesign**
-  Device status icon flickering between active/inactive fixed
-  Scanning mode (attach scan directly - automatically create node)
-  VX interaction status
-  Live video color corrections
-  Workspace Widget improvements (multi select, load on double click, context menu actions)
-  Multi-scans export
-  Gallery improvements
-  Improved network management (releasing interface)
-  Camera can be controlled using buttons (up/down)
-  Speedup connecting with camera
-  Preview switches between side cameras when hovering over sliders
-  Center lines in DXF files
-  Multiple observations per point
-  Post scan diagnostic
-  Manhole parts when launching from VX
-  Copy coordinates in PointCloudView and SideView
-  Auto video brightness
-  Busy indicator instead of progress dialog
-  Point cloud can be moved in ZAxis (middle mouse button)
-  Hotkeys
-  Custom colors
- Improved Depth View slices generation (less distorted images)
- Downgrade option






-  Improved software rendering
-  In PointCloudView cover offset and north direction can be manually set
-  North can be set on SideView
-  Import scan option in context menu
-  Probe diagnostic

Known Issues





-  Some cameras are showing some strange artifacts during first startup.
-

Version 1.2.13 released on [2018/08/03](#)

Changes



-  Options page with categories
-  Observation list sorting
-  Observation movement inside margin area
-  Measurement can be switched between bottom-top/top-bottom
-  Zoom is preserved between mode changes (bottom margin)

Known Issues





-  Some cameras are showing some strange artifacts during first startup.
 -  Quality of side view needs to be improved
 -  Aspect ratio for side view needs to be applied
 -  General GUI needs to be more intuitive
-

Version 1.2.11 released on [2018/07/24](#)

Changes





















-  Enable clock and depth reference change with VX synchronization
-  Application properties in Windows are supported (Version, producent)

Known Issues







-  Some cameras are showing some strange artifacts during first startup.
 -  Quality of side view needs to be improved
 -  Aspect ratio for side view needs to be applied
 -  General GUI needs to be more intuitive
-

Version 1.2.9 released on [2018/07/06](#)

Changes


















-  Support for DXF (position, rotation etc.)
-  DXF - Automatic calculations of center of the cover
-  C++17 migration
-  Bug with rectangular manhole visualization has been fixed
-  Pictures encryption is supported
-  License agreement has been added
-  x3d browser protocol has been added
-  Observation list has been added
-  Minimum value for strobe has been added
-  Notes for scan have been added
-  Images verification step has been added
-  Custom depth level has been added
-  Application stability has been improved
-  Fixed bug with hanging event loop during interface release
-  Synchronization is applied only for single observation to VX
-  Polish translations has been added
-  **Disabled clock and depth reference change from VX to avoid loss of data cohesion**
-  Enable communication with VX in light viewer mode
-  Camera versioning has been implemented
-  Side view in observation is sending to VX without additional markers




Known Issues

-  Some cameras are showing some strange artifacts during first startup.
-  Synchronization between Vx needs to be improved (**clock reference**)
-  Synchronization between Vx needs to be improved
-  Quality of side view needs to be improved
-  Aspect ratio for side view needs to be applied
-  General GUI needs to be more intuitive









Version 1.1.3 released on **2018/03/28**

Changes

-  Warning about invalid application directory
-  Default clock reference (center position) is customizable
-  Video recording stops at the end of the scan (bottom of the manhole)
-  Lateral autodetection is optional
-  Auto-detected laterals can be accepted, edited or discarded (buttons are displayed next to the lateral on the Side View)
-  CleverScan position in DXF file is marked
-  Manual scanning mode
-  Send feedback does not fail silently
-  UI rearranged (low resolutions compatibility)
-  Application does not crash during quick project changes
-  Context menu improvements (always displayed for selected item)
-  External images gallery
-  Project gallery
-  Rectangular manholes processing improvement
-  Camera positioner is animated
-  Measurements for manually created laterals are recalculated on measurement system change
-  Updates are available on demand (also unstable updates can be installed)









-  Release notes can be shown in the application
-  Images transferred to VX are properly aligned
-  Observations selection improvements

Known Issues








-  Auto gain has not been tested properly
 -  Real time video is not very smooth
 -  Images in depth view are chopped
 -  If application is working few hours GStreamer is crashing
 -  After few connect/disconnect operations application can crash
 -  Working with network shares is not yet possible
 -  Application will not restore IP address if it was set to something else than DHCP
 -  Expanding of the views is problematic
-

Version 1.0.2 released on [2018/02/16](#)

Changes

-  Observation descriptions are movable
-  Layout management
-  Separate layout and language settings for Viewer and Light Viewer
-  Bottom rendering options
-  Paths with Unicode characters
-  Circular shapes in UI
-  Batch processing context menu options
-  Export ZIP issue

Known Issues



-  Auto gain has not been tested properly
 -  Real time video is not very smooth
 -  Issue in synchronization connected with video recording
 -  Images in depth view are chopped
 -  If application is working few hours GStreamer is crashing
 -  Expanding of the views is problematic
 -  Display context option in visualization mode - different scan is loaded
-
















Version 15 (0.9.15) released on [2018/01/23](#)

Notes







This CleverScan release is a final version but not included in WinCan VX 12. It addresses some bugs found in testing of RC.

Changes

-  Expanding of widgets is less painful
-  SideView is scaled during resize

-  Keep aspect ratio option for visualization widgets
-  Scans are unloaded only if new scanning procedure has started
-  Status indicators false positives bug
-  Side camera preview bug
-  Camera software checksum validation during update procedure
-  Connecting to the arduino is simplified and boosted
-  Auto brightness feature has been added
-  Egg shape issues of bottom has been resolved
-  Point cloud sampling has been increased and is adjustable
-  Download progress in status bar has been added
-  Checking OpenGL version has been implemented
-  UDP problem with supervisor resolved
-  Md5 checksum for updated files has been added
-  Autoconnection and release improvements have been applied
-  Low resolution support

Known Issues



-  Auto gain has not been tested properly
-  Real time video is not very smooth
-  Issue in synchronization connected with video recording
-  Images in depth view are chopped
-  If application is working few hours GStreamer is crashing
-  Expanding of the views is problematic

Version 12 (0.9.12) released on [2017/10/18](#)

Notes

This CleverScan release is a final version included in WinCan VX 12. It addresses some bugs found in testing of RC.

Changes









-  Camera firmware update is fixed (messagebox issue)
-  Feedback dialog displays always on top

Version 0.9.11 released on [2017/10/13](#)




Notes

This CleverScan release is a Release Candidate version for WinCan VX 12.














Changes

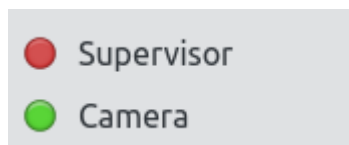
-  General Stability improvements
-  Imperial units improvements
-  Reduced scanning lag
-  Depth calculation improvements
-  Launcher merged into main application
-  Rectangle shape processing improvements
-  Screenshots can also be taken when side camera is selected
-  Icons introduced for *docked widgets*



-  Cancel feature (scanning, processing)
-  Light viewer mode (without possibility to introduce modifications into existing scan)
-  Video speed control





-  Depth calculation synchronized with VX
-  If there was any error during multi-scan processing it will be marked on the scan list
-  Context menu for scans (remove/export/rename/delete)
-  Import project option
-  Simplified mode for setting camera exposure parameters
-  Cameras can be switched from simplified mode
-  *Cancel* for closing application when camera is still connected
-  Mesh sample points distance control widget
-  Scan dialog can handle multiple cameras. More images can be added.
-  3D Mouse integration
-  Filtering scans by name on the workspace list
-  3D navigation using double click (Front view and Cloudpoint)
-  Camera/Supervisor status indicators



-  Possibility to send feedback directly from the application.

Known Issues

-  Some connectivity issues when using VirtualBox Network Adapter

-  There is no option to select installation path when CS is installed through standalone installer (not with VX) - it defaults then to C:\C/e
verScan

Version 0.9.10 released on [2017/08/25](#)