

## **Historical Viewer Information**

### **Release notes June-2009 v1.00 to July 2023 v4.70**

(Note that the PR Data Acquisition Studio software is a separate application with its own revision history)

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#### **NOTES:**

1. Historical Viewer will compress to WIN ZIP format.
2. Please check user's computer setup 'Microsoft .NET Framework' version 3.0 or later, before use IO studio.

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2023/07/21

Historical Viewer release version 4.70

1. Support PR v1.60 or before version.
2. Add new function: add new display marker list.
3. Add new function: add new display marker for trend and circular.
4. Add new function: add marker list configure for Configure Viewer.
5. Add new function: add marker list edit for Configure Viewer.
6. Add new function: add new job select marker and log marker for Configure Viewer.
7. Modify function: modify the print value list value range.
8. Modify function: modify the print title length for tag name.
9. Modify function: modify the print report length for tag name.

2023/07/05

Historical Viewer release version 4.62.

1. Support PR v1.51 or before version.
2. Modify function: modify export data length for pdf.

2023/04/20

Historical Viewer release **version 4.61.**

1. Support PR v1.50 or before version.
2. Add new function: add new function export \*.csv,\*.pdf,\*jpg can use mix tag log speed at manual mode.

2023/03/24

Historical Viewer release **version 4.60.**

1. Support PR v1.50 or before version.
2. Bug fixed: the trend view will lose data for Historical Viewer.
3. Modify function: modify the max 4G size of event for Historical Viewer.
4. Modify function: modify the screen support 4K.
5. Modify function: trend viewer use raw data to display.
6. Modify function: modify the e-mail group setting.
7. Modify function: modify the picture of trend size of print.
8. Modify function: modify the manual export \*.csv database file will add line for 65535.
9. Modify function: modify function manual export data for \*.csv,\*.pdf,\*jpg.
10. Modify function: export event data by select tag list not support HMI.
11. Modify function: remove export excel target sort.
12. Modify function: select different log speed will disable the channel of display.
13. Modify function: change bank to import configure will not check difference project type.

14. Modify function: cannot update configure during PR update configure flow.
15. Modify function: select job item for timer.
16. Modify function: modify display the data time for statistics cursor of trend.
17. Modify function: modify the default export select for export data.
18. Modify function: when switching from the value list to the circular, the direction of the single-step keys does not change.
19. Modify function: the display trend and value list will use virtual value for before PR v1.50, and the display trend and value list will use raw value for after PR v1.50.
20. Modify function: modify read report of realtime viewer.
21. Modify function: modify export interval form 1 to 120.
22. Modify function: modify export data count for excel and pdf.
23. Modify function: clear the remark list by clear data.
24. Add new function: add pdf format of Raw Data of export database.
25. Add new function: add printer of print title for Historical Viewer.
26. Add new function: add the select content of print title for Historical Viewer.
27. Add new function: add log speed check of page for PR configure.
28. Add new function: add new event item last month and select period for dump, clear, print historical data, print event list, print report list, output historical data.
29. Add new function: add new IO card AI183 for PR recorder.
30. Add new function: add select period start time and end time.
31. Add new function: add first select period function will auto display period start time and end time.
32. Add new function: Chinese full-width font detection of Configure viewer.
33. When the FDA CFR-21 data is tampered with, the user is stopped to use this project.
34. Add new function: add auto import and export set time.
35. Add new function: add the select type of time for auto import and export.

2022/11/07

Historical Viewer release **version 4.51B2**.

1. Support PR v1.42 or before version.
2. Bug fixed: the active time error of event by event link.

2022/11/03

Historical Viewer release **version 4.51B1**.

1. Support PR v1.42 or before version.
2. Bug fixed: the calculate value error of daily for report list.
3. Modify function: modify the number of connection and command by external tag for configure viewer.
4. Modify function: export event report let memory full to system event.
5. Modify function: modify the default export select for export data.
6. Modify function: export event data by select tag list not support HMI.

2022/09/19

Historical Viewer release **version 4.50**.

1. Support PR v1.41 or before version.
2. Bug fixed: use difference zoom rate to read vr18 data will not display.
3. Bug fixed: the parameter initial error for datastore.
4. Bug fixed: when Historical Viewer read error data will crash.

5. Bug fixed: abnormal conversion of VR data to PR data.
6. Bug fixed: the max, min and average of method decoder value error.
7. Bug fixed: calculate the report value error of totalizer and count for daily.
8. Bug fixed: When user account is closed of PR, the user account of Historical Viewer never closed.
9. Bug fixed: Values are displayed using rounding for DAQ.
10. Modify function: modify the display of Mean of statistics to AVG.
11. Modify function: input password 3 time error will close account for CFR-21.
12. Modify function: change CFR-21 and normal password project will not change login dialog.
13. Add new function: add export format of \*.csv by PC define.

2021/08/10

Historical Viewer release **version 4.49**.

1. Support PR v1.41 or before version.
2. Bug fixed: sometime read VR18 historical data will no response.

2021/07/29

Historical Viewer release **version 4.48**.

1. Support PR v1.41 or before version.

2021/05/19

Historical Viewer release **version 4.47**.

1. Support PR v1.40 or before version.
2. Modify Function: modify the show comment of title for print data.
3. Add new Function: add clock synchronize mode, daily, weekly, monthly, yearly.
4. Add new Function: add remote backup for Historical Viewer. (FileZilla,WinCE,WinSCP,SmartFTP client)
5. Modify Function: add new date style "dd/MM/yyyy" of clock for PR recorder.
6. Modify Function: modify the data count and data interval of print head for print trend view.
7. Modify Function: modify the data range of auto export.
8. Bug fixed: export pdf data will move value of the disabled tag.
9. Modify Function: modify the print remark list of print trend mode by display period of trend.
10. Modify Function: modify the sum of the report for weekly and monthly.
11. Modify Function: modify the check sum of CFR-21.
12. Bug fixed: import data failed by SD card.
13. Add new Function: add CFR-21 hash file.

2021/03/17

Historical Viewer release **version 4.46(2103)**.

1. Support PR v1.39 (2103) or before version.
2. Add new function: add new tag SV of pc201 to math source.
3. Bug fixed: print AI unit length is 8, the process will show exception message.
4. Modify Function: modify the export excel and pdf file for raw data.

2020/08/28

Historical Viewer release **version 4.46 (2008)**.

1. Support PR v1.39 (2008) or before version.

2020/06/18

Historical Viewer release **version 4.46 (2006)**.

1. Support PR v1.39 (2006) or before version.
2. Modify Function: update Configure Viewer compatible for PR future version.

2020/03/30

Historical Viewer release **version 4.46 (2003)**.

1. Support PR v1.39 (2003) or before version.
2. Bug fixed: multi-import project show error message bad alloc memory.
3. Add new Function: add PC clear event for Historical Viewer.
4. Modify Function: add the date and time of maximum and minimum for the statistics.
5. Modify Function: add the statistics by raw data for trend view print.
6. Bug fixed: print value list will exceed the print boundary.

2020/01/14

Historical Viewer release **version 4.46**.

1. Support PR v1.39 or before version.
2. Bug fixed: PR recorder v1.39 load old configure data will show error message at Configure viewer.
3. Bug fixed: the DO process event will execute during tag disable.

Historical Viewer release **version 4.45**.

1. Support PR v1.38 or before version.
2. Add new Function: add the mode F0 of totalizer for PR recorder.
3. Add new Function: add the option for header and footer of Historical Viewer.
4. Modify Function: if math and external channel are not enabled then it should not be appeared in print header.
5. Bug fixed: some version of the Historical Viewer have the wrong information of interval.
6. Bug fixed: sometime print value list will missing statistical data of display for period.
7. Bug fixed: sometime print value list will use error decimal of display for period.
8. Add new Function: add the circular mode of the display for Historical Viewer.
9. Add new Function: add register type coil and discrete for command of PR recorder.
10. Add new Function: add multiple scaling of auto-output for PR recorder.
11. Add new Function: when user select auto import option will show information at exit Historical Viewer.
12. Add new Function: add the display speed for current page or all pages.
13. Add new Function: add new security Channel, Clock, Instrument, User Account for CFR-21 at Configuration Viewer.
14. Add new Function: add new speed 4 hours/dot, 8 hours/dot, 24 hours/dot for export data.
15. Modify Function: add new data style yyyy/MM/dd of Configure Viewer for PR recorder.
16. Modify Function: add new password validity 120days, 150 days, 180 days.
17. Add new Function: add new user permissions of CFR-21 for PR recorder and DAQ.
18. Add new Function: add parameter change log message of CFR-21 for PR recorder.
19. Add new Function: add new function enable fast mode and disable fast mode of event for PR recorder.
20. Modify Function: modify the display of load data store.
21. Add new Function: add ask close project of Historical Viewer.
22. Add new Function: add statistics for export \*.pdf file.
23. Add new Function: add export data format \*jpg.

24. Add new Function: add exit project inquiry message for Historical viewer.

25. Add new Function: export event data by select tag list.

2019/09/26

Historical Viewer release **version 4.44**.

1. Support PR v1.37 or before version.

2019/6/26

Historical Viewer release **version 4.43**.

1. Support PR v1.36 or before version.

2. Bug fixed: sometime print value list will missing statistical data for time period.

2019/06/11

Historical Viewer release **version 4.42**.

1. Support PR v1.36 or before version.
2. Modify Function: user can select trend scale by scale list for print value list.
3. Modify Function: change the scale list maximum to 10.
4. Modify Function: modify the maximum number of connections and commands to 32 for PR30.
5. Modify Function: modify the maximum number of PC201 to 8 module for PR30.
6. Add new Function: add power on go to page item.

2019/01/17

Historical Viewer release **version 4.41**.

1. Support PR v1.35 or before version.
2. Modify Function: remove the delete remark item button.

2018/11/15

Historical Viewer release **version 4.40**.

1. Support PR v1.35 or before version.
2. Modify Function: Historical Viewer will set default date format by PR/VR.
3. Add new Function: add new display circular mode of Historical Viewer for PR30.
4. Add new Function: add reference point of Historical viewer for PR30.
5. Modify Function: when change display mode of PR that will change configure for Historical Viewer.
6. Modify Function: when export excel or print historical data will not show signature info at non CFR-21 mode.
7. Bug fixed: auto export will not show historical data for HMI.
8. Add new Function: add new speed 5 sec/dot, 5 min/dot, 10 min/dot, 15 min/dot for log speed and display speed of Historical Viewer and Configuration Viewer.
9. Modify Function: add external tag for totalizer source of Configuration Viewer.
10. Add new Function: add the print period select of event list of Historical Viewer.
11. Bug fixed: the display of trend of log speed at average will show more data at stop point.
12. Bug fixed: export to excel will show error value of average.
13. Modify Function: modify the export to excel year format by local side.
14. Add new Function: add new function save as.

2018/05/31

Historical Viewer release **version 4.38**.

1. Support PR v1.34 or before version.

2018/01/08

Historical Viewer release **version 4.37**.

1. Add new Function: add new format pdf for auto import and export.
2. Add new Function: add header select for print pdf.
3. Add new Function: add show statistics for print trend.
4. Modify Function: if user security level small then instrument config security level will not open configure for PR Recorder.
5. Modify Function: modify the MAC address content for print title of PR recorder.
6. Modify Function: modify the export select item "the speed of display".
7. Add new Function: add math accept a value out of range.
8. Modify Function: add log method title for export PDF.

2017/10/16

Historical Viewer release **version 4.36**.

1. Support PR v1.31 or before version.

2017/08/14

Historical Viewer release **version 4.35**.

1. Add new Function: add DI\_Pulse\_Cnt for PR Recorder.
2. Add new Function: add print title select for PR Recorder of configuration viewer.
3. Update Function: update DataStore for Historical Viewer.
4. Modify Function: update Historical Viewer compatible for PR future version.
5. Modify Function: modify the DataStore data link procedure.
6. Add new Function: add the print title select of print data.
7. Modify Function: modify the print title and content of print report list.
8. Bug fixed: print value and PDF use maximum tag name will over the grid of HMI.
9. Modify Function: modify grid row of the export to PDF.
10. Support PR v1.30 or before version.

2017/05/10

Historical Viewer release **version 4.34**.

1. Bug fixed: if only PC201 I/O card for PR10 will not configure display of PR10.
2. Support PR v1.23 or before version.

2017/04/28

Historical Viewer release **version 4.33**.

1. Add new Function: add new function coil for CommServer.
2. Modify Function: modify the communication timeout for Modbus\_RS232.dll.
3. Modify Function: modify the communication timeout for Modbus\_TCP.dll.
4. Add new Function: add new function export to PDF file.
5. Modify Function: modify determine method for PR demo.
6. Modify Function: if no comment will hide comment item of print title.
7. Bug fixed: if no any I/O card of PR will not export external tag value.
8. Support PR v1.23 or before version.

2017/02/16

Historical Viewer release **version 4.32**.

1. Modify Function: set math function to standard function for PR v1.22.
2. Support PR v1.22 or before version.

2017/01/04

Historical Viewer release **version 4.31**.

1. Add new Function: add display option that are auto mode and user mode.
2. Add new Function: add select period mode that is statistics the value of this period.
3. Modify Function: add the grid for print format of event and report.
4. Modify Function: remove extra rows and columns grid for print format of value list.

2016/11/07

Historical Viewer release **version 4.30**.

1. Add new Function: add log reason for change for FDA.
2. Modify Function: the password of FDA must more than 6 chars.
3. Modify Function: add the channel name for print value list.
4. Update Function: update Russian, Korean and Polish Language.
5. Bug fixed: the job send e-mail of PR recorder will send error group.
6. Add new Function: add two items one hour and two hour for log speed, display speed and export excel speed.
7. Add new Function: add select print channel of print value list.
8. Add new Function: add the speed of display 1 and 2 hour/dot.
9. Add new Function: add the speed of log speed 1 and 2 hour/dot for PR configure.

2016/09/19

Historical Viewer release **version 4.21**.

1. Bug fixed: when close Historical Viewer will show check RealTime message.

2016/08/26

Historical Viewer release **version 4.20**.

1. Modify Function: the configure of PR compatible with all PR version.

2016/08/12

Historical Viewer release **version 4.10 B34**.

1. Update Function: update the configure of PR for single loop controller.
2. Add new Function: add e-mail group.
3. Modify Function: send e-mail can select e-mail group of job.
4. Add new Function: add e-mail scheduled for e-mail.
5. Modify Function: modify the Modbus formula of External Tag.

2016/05/12

Historical Viewer release **version 4.06**.

1. Update Function: update Historical Viewer configure for PR recorder.
2. Modify Function: normal user can execute Historical Viewer.

2016/01/26

Historical Viewer release **version 4.05**.

1. Add new Function: add new dynamic decode method for Historical Viewer.
2. Add new Function: add new print report format, include trend, value, snapshot, event and report.
3. Add new Function: add new export data to database format with multi-tag to one page.
4. Add new Function: add new date-time format for export database.
5. Add new Function: add new export interval for export database.
6. Modify Function: Update UAC setting for Historical Viewer setup.

2015/10/22

Historical Viewer release **version 4.04**.

1. Add new Function: add new modbus float type for PR recorder.
2. Add new Function: add new time zone function when use synchronize will check time zone.
3. Add new user manual of PR recorder communication.
4. Modify Function: add Min, Max, P-P, Mean, RMS value for value list.

2015/6/25

Historical Viewer release **version 4.03**.

1. Add new Function: add new AO configure of PR recorder.
2. Add new Function: add new MAXXIS configure of PR recorder.

2015/6/1

Historical Viewer release **version 4.02**.

1. Add new Function: Historical Viewer add new zoom rate 2 Day/Page, 2 Week/Page, 4 Week/Page.
2. Add new Function: add new function Email-type.
3. Add new Function: add new function all period mode of Historical Data.
4. Add new Function: add new function the name of instrument.
5. Add new Function: add new multi-language Greek.

2015/1/16

Historical Viewer release **version 4.01**.

1. Add new Function: Historical Viewer can support 1.xx and 2.00 or later version for HMI.
2. Modify Function: modify the job parameter (copy & past tag) of configure for PR recorder.

2014/12/8

Historical Viewer release **version 4.00**.

1. Bug fixed: Historical Viewer will export empty excel file when event list more than 65535.
2. Bug fixed: the item of print report item list error of Historical Viewer.
3. Add new Function: add new display type "Batch mode" of log report list.
4. Add new Function: add export file to \*.csv for report list.
5. Add new Function: add file name select of export to \*.csv.
6. Modify Function: open remark function for VR18 CFR-21 mode.
7. Add new Function: add the item "Czech" of Language of instrument for VR18/VR06.
8. Add new Function: add receive configuration select for HMI mode.
9. Modify Function: modify the title length (two row) of value list of Historical viewer
10. Add new device of Real-Time Viewer for PR Recorder serial.

11. Add new device of Historical Viewer for PR Recorder serial.
12. Add new Configure of Historical Viewer for PR Recorder serial.
13. Add new Function: add new function batch mode in Historical Viewer.
14. Add new Function: add new function select import range in Historical Viewer.
15. Modify Function: modify the period conform of the security of HMI.
16. Modify HMI configure for Panel Studio V2.00.
17. Modify Function: modify the support version of HMI for Historical Viewer.

2014/5/29

Historical Viewer release **version 3.01**.

1. Bug fixed: When user manually enable lock workstation by themselves, Historical Viewer auto export will fail.
2. Modify Function: modify the configure of HMI will keep unit by user setting.
3. Modify Function: modify Historical Viewer support 4Kx2K screen size.

2014/4/22

Historical Viewer release **version 3.00**.

1. Add new Function: add convert the project of Observer I to Historical Viewer.
2. Add new Function: add Trend box auto resize by form spile.
3. Add new Function: add new language "Brazil Portuguese" to Historical Viewer.

2014/2/12

Historical Viewer release **version 1.45**.

1. Modify Function: the report function will be hid for HMI mode.
2. Modify Function: the decimal will not change to default value during import data.
3. Modify the default path of storage import of HMI configure for PC, user must select the path name include "datastore".
4. Bug fixed: the import data of VR18 will not link (at last two channel with one month).
5. Update: update the datastore of Historical Viewer and DAQ Studio.
6. Add new Function: add the export speed for auto export.

2013/6/10

*This and future revisions apply only to the Historical Viewer and does not include revisions to the Data Acquisition Studio software which has its own revision history.*

Historical Viewer release **version 1.44**.

1. Add new Function: add the snapshot for Historical Viewer.
2. Add new Function: add the select report channel for Historical Viewer.
3. Add new Function: zoom rate 25 mSec/dot in Historical Viewer.
4. Modify Function: add the report mode to the print historical data.
5. Modify Function: modify the digital size of mix mode for Historical Viewer.
6. Modify Function: modify the period search of Historical Viewer can select more than one month.

2013/1/5

Data Acquisition Studio and Historical Viewer release **version 1.43**.

1. Update Function: Update the keypro for Windows 8.
2. Update French of multi-language for the configure, the historical and DAQ.
3. Update the BC\_Set for Windows 8 of v1.70.
4. Modify Function: Modify the path of measure data for DAQ.
5. Modify Function: Modify the show message of check keypro error.

6. Modify Function: Modify the printer setup of Historical viewer.
7. Modify Function: Modify the default project name of DAQ, VR configure and Historical Viewer.
8. Bug fixed: The DAQ studio write the parameter to the controller will out of range.
9. Bug fixed: The DAQ studio connect the controller serial fail in Spanish.
10. Bug fixed: Historical Viewer get error data start time.
11. Add new Function: Dev+ and Dev- of event type for DAQ.
12. Add new Function: replace the old project of DAQ.
13. Add new Function: reboot PC for setup wizard.
14. Add new Function: the export \*.csv file can select show empty value or not.
15. Add new Function: save the export to excel user select configure.
16. Add new Function: zoom rate 50 mSec/dot in Historical Viewer.
17. Add new Function: add overwrite project of DAQ.

2012/8/16

Data Acquisition Studio and Historical Viewer release **version 1.42**.

1. Update BC-Set v1.70.
2. Modify Function: Set the default language for RealTime Viewer, Historical Viewer, and Configure Viewer by setup wizard.
3. Add new Function: Add new event for DAQ logout.
4. Add new Function: Add the select the shortcut of user manual for Customization.

2012/3/13

Data Acquisition Studio and Historical Viewer release **version 1.41**.

1. Add new Function: Add the import path of SD card for HMI in Historical Viewer.
2. Add new Function: Add the password select for DAQ.
3. Add new Function: Add the check status of AI of I/O card.
4. Add new Function: Add new function to reset of the Counter for I/O Card.
5. Modify Function: Modify the import path of flash and TCP/IP for HMI in Historical Viewer.
6. Modify Function: The limit size of import in Historical Viewer.
7. Modify Function: Remove set the UAC of the setup.
8. Modify Function: Add the application compact flags in the setup and the setup wizard.
9. Modify Function: The default scale of the display of AI analog use the scale of the channel.
10. Bug fixed: The clock of trend by search by period during summer time.
11. Update IO-Studio v2.5.

NOTE: The version 1.41 of the Historical viewer only support version 1.20 or later of the HMI.

2012/1/1

Data Acquisition Studio and Historical Viewer release **version 1.40**.

1. Bug fixed: Auto export fail for DAQ.
2. Add new Function: Add Date/Time format for DAQ studio.
3. Add new Function: Add linear interval for DAQ studio.
4. Add new Function: Add Net Log for Historical in HMI.
5. Add new Function: Add Net Dump for Historical in HMI.
6. Add new Function: Add new Event/Alarm list
7. Modify Function: The historical will delete old file for import function.
8. Add new Function: Add the shout down function for security mode in the historical of HMI.

9. Add new Function: Recorder the historical export info.
10. Modify Function: The difference new project content for Historical Viewer in DAQ, HMI and Recorder.

2011/10/14

Data Acquisition Studio release **version 1.34**.

1. Modify Function: The display no data log configure of HMI Configure.
2. Modify Function: Hide the count and the totalizer in non plus Recorder.
3. Modify Function: The display value of digital alarm in Historical Viewer.
4. Modify Function: The difference new project content for Historical Viewer in DAQ and HMI.

2011/8/8

Data Acquisition Studio release **version 1.33**.

1. Bug fixed: If the value of Engineering low is zero will lose decimal.
  2. Bug fixed: Export to excel format error for unit.
  3. Bug fixed: The setup creates shortcut fail in Hebrew of Windows 7.
  4. Bug fixed: "Abnormal termination" during Historical auto import.
  5. Modify Function: Add the size of arrow in Bar.
  6. Modify Function: Modify the background color of the Tag name.
  7. Add new Function: Add the marquee in All Digital.
  8. Add new Function: Add new file export attribute of Excel.
  9. Add new Function: Add the order list of the All Digital mode.
  10. Add new Function: Add the Modbus RTU package (Virtual gateway) format in TCP/IP communication protocol.
  11. Add new Function: Add new TimeOut select.
  12. Add new Function: Add the Inverse data type for Linear.
  13. Add new Function: Add the IEEE-754 package format in TCP/IP communication protocol.
  14. Add new Function: Add the OUT2 new item D.H.HO, D.L.HO, P.H.HO, P.L.HO of the controller 100 series. (v3.0 or later)
- NOTE: The version 1.33 of Data Acquisition Studio only support version 3.0 or later of the controller of C21, 4100, 7100, 8100, 9100, B41.

2011/3/22

Data Acquisition Studio release **version 1.32**.

1. Add new Function: Add the blink for Digital mode.
2. Bug fixed: Sometime event link will lose data for storage Media.
3. Modify Function: Modify the path of SD card for HMI.

2011/3/4

Data Acquisition Studio release **version 1.31**.

1. Add new Function: Add the font size of display.
2. Add new Function: Add the scale of trend for Real-Time.

2011/1/17

Data Acquisition Studio release **version 1.30**.

1. Add new device of Real-Time Viewer for Controller.
2. Add new device of Real-Time Viewer for NC200.
3. Add new Function: User can select display tag by them self for Controller.
4. Add new Function: Add new option that user can select ten quick write parameter for Controller, NC200 and Profiling.

5. Add new Function: Add save as project function.
6. Bug fixed: The data store by change some time will lose data.
7. Bug fixed: Setup wizard cannot create program shortcut in Vista Professional of Hebrew language.
8. Add new Function: Add new file export attribute of database.
9. Modify Function: Modify the auto update function will keep Tag name and Tag Unit for IO card.
10. Add new Function: Add the quick edit of Tag name in RealTime Configure List.
11. Add new Function: Add the clear time of communication error event.
12. Add new Function: Increase the relation of Log Trigger and Display page.
13. Add new Function: Add new option item "The display of AI serial for IO modules".
14. Add new Function: Add new option item "Auto start project".
15. Modify Function: Modify the project of DAQ sub project name.

NOTE: The version 1.30 of Data Acquisition Studio only support version 4.7 or later of the controller of 2500,4300,8300,9300.

The version 1.30 of Data Acquisition Studio only support version 1.2 or later of the controller of L41.  
The version 1.30 of Data Acquisition Studio only support version 2.0 or later of the controller of L91.  
The version 1.30 of Data Acquisition Studio only support version 0.5 or later of the controller of DL200.  
The version 1.30 of Data Acquisition Studio only support version 2.0 or later of the controller of P91, P41.  
The version 1.30 of Data Acquisition Studio only support version 2.8 or later of the controller of C21, 4100, 7100, 8100, 9100, B41.

2010/8/25

Data Acquisition Studio release **version 1.21 B1**.

1. Add new Function: Add simple login password.
2. Modify Function: Modify the data time of print of trend view.
3. Modify Function: Set the super password of FDA mode.
4. Bug fixed: Setup wizard cannot create program shortcut in Vista Home Basic of Dutch language.
5. Add new device of Historical Viewer for HMI.
6. Add HMI Configure Viewer for Historical Viewer.
7. Modify Function: Modify the shortcut of desktop.
8. Modify Function: Modify the setup software.
9. Modify Function: Modify the communication of TCP/IP for CommServer.
10. Modify Function: Modify the start time of the trend for Real-Time Viewer.
11. Modify Function: Update German of Configure, Historical and Real-Time.
12. Modify Function: DAQ software include Real-Time Viewer and Historical Viewer.
13. Modify Function: Modify the Customization software.

NOTE: The Data Acquisition Studio can support HMI at version 1.21 or later.

2010/8/11

Data Acquisition Studio release **version 1.20 (This is V1.20 B6)**.

1. Add new device of Real-Time Viewer for Linear.
2. Modify Function: Modify Real-Time Viewer the max number of tag to 2048.
3. Modify Function: Modify Real-Time Viewer the max number of node to 2048.
4. Modify Function: Modify Real-Time Viewer the max number of timer to 100.
5. Modify Function: Modify user interface of setup wizard.
6. Modify Function: Modify user interface of setup.
7. Modify Function: Modify the display of the state of Real-Time Viewer.

8. Modify Function: if use the delete of configure and then page list will not change.
9. Add new Function: Event list can set latest Event/Alarm position for Real-Time and Historical.
10. Modify Function: Modify configure create new node mode for network.
11. Add new Function: Add communication error set.
12. Add new Function: Check Dot Net Version.
13. Modify Function: Modify the display of event list of Real-Time (only display alarm list).

2010/11/16

Data Acquisition Studio release **version 1.21**.

2010/11/1

Data Acquisition Studio release **version 1.21 B2**.

1. Add new Function: Add automatic raw data export for database (\*.csv format).
2. Add new Function: Add raw data export for database (\*.csv format).
3. Add new Function: Add automatic export for excel.
4. Modify Function: Modify the setup of dot net for windows AMDx64.
5. Modify Function: Modify the Customization software again.

2010/1/12

Data Acquisition Studio release **version 1.10**.

1. Add new device of Real-Time Viewer for VR18.
2. Add VR18 Configure Viewer.
3. Add new device of Historical Viewer for VR18.
4. Add setup wizard.
5. Modify Function: Modify user interface of the configure of Real-Time Viewer.
6. Bug fixed: Sometime Historical Viewer loading data and then read multi-language error.
7. Modify Function: Modify print default size from A4 to Letter.
8. Modify Function: Optimization virtual memory size of communication.
9. Add Function: Add modify module number function for customization software.
10. Add Function: Add log report of internet counters.
11. Add PL2303 convert of Prolific.
12. Add GT-511 device of NXN.

NOTE: The version 1.10 of Data Acquisition Studio only support version 2.37 or later of the recorder of VR18.

2009/7/27

Data Acquisition Studio release **version 1.01**.

1. Bug fixed: Use RO card sometime communication will be effect in Microsoft Windows Vista Ultimate.
2. Bug fixed: Change setup path to driver G.
3. Bug fixed: Set AO card difference rate between scale Hi and scale Lo.
4. Add Customization software.

2009/7/13

Data Acquisition Studio release **version 1.00**.

2009/6/5

Data Acquisition Studio release **version B**.