

Pro-Watch[®] Release Notes

Release 4.1 SP2, Build 9684

Release Availability Date: February 2014

New Features

Pro-Watch Component	Issue Description	Issue Number
Advanced Badging	Badging module licensing has been modified to only check badge license count when capturing a photo, enrolling biometrics, capturing a signature, previewing a badge/card, printing a badge/card and when batch printing. A badging license will be released when closing a badge profile.	PW-2784
Advanced Badging	When editing a card and the card's expiration date is beyond the badge's expiration date, the following warning will display: "WARNING: Card Expire Date exceeds Badge Expire Date for card number [xxxx]. All cards will expire when badge expires." This is a warning and will not stop the badge and the card data from being saved.	PW-3049
Advanced Badging	The Bulk Badge screen has been modified to better reflect Advanced Badging and the Card Type functionality. Badge Type has been removed and Card Type has been added. The badge type will be assigned the value of the card type.	PW-3048
Maps	The camera icons on a map now reflect different camera-view angles.	PW-2901 PW-2756
Panels	Pro-Watch now supports CASI Micro 5 panel.	PW-2978
Two-Man Rule	Two-man rule can be activated to enforce a minimum of two persons needed to enter or exit an Area.	PW-696

Issues Resolved

Pro-Watch Component	Issue Description	Issue Number
Advanced Badging	When the “Bulk Badge Add” functionality is used to add badges and cards in bulk, the system assigns the correct expiration date.	PW-3048
Advanced Badging	When the “Display PIN Codes” functionality is revoked, the PIN codes cannot be viewed anymore in Badge Wizard and Transaction reports.	PW-3018
Compliance Reports	When the “Display PIN Codes” functionality is revoked, the PIN codes cannot be viewed anymore in Badge Wizard and Transaction reports.	PW-3018
Enterprise	Pro-Watch Enterprise Manager version number is now updated with Pro-Watch build.	PW-2880
Galaxy	Galaxy GD-96 Model Ethernet Module now provides data for the hardware connected to the second port.	PW-2865
GUI	Build numbers now display correctly in the client machine.	PW-2795
Panels	New panel firmware allows a door assigned to a badgeholder in the Logical Device tab of Pro-Watch Badging module to work properly for a PW-6101.	PW-2785
Panels	PW-6000 can be edited even if a wrong port type (MSP1, SNET, PIM) is selected for the subpanels.	PW-2928
Panels	When an input point is masked for a STAR II panel, the panel now does not receive any alarm messages.	PW-150
Verification Viewer	Verification Viewer is improved for a better user experience.	PW-2535

Known Issues

Pro-Watch Component	Issue Description	Issue Number
Events	VMS Server and NVR offline events are not reported in Pro-Watch Alarm Monitor.	PW-3161
Events	If Network cameras are connecting or disconnecting in NVR, the event will not be reported in Pro-Watch alarm monitor.	PW-3162
Reader	System download needs to be performed in order for the Pro-Watch to report SALTO events.	PW-3151

Release 4.1 SP1, Build 9513, HF (Triggers & Procedures)

Release Availability Date: November 2013

Issue Resolved

Pro-Watch Component	Issue Description	Issue Number
Triggers & Procedure	Triggers and Procedure now download properly.	PW-2973

Release 4.1 SP1, Build 9513

Release Availability Date: August 2013

New Features

Pro-Watch Component	New Feature Description	Issue Number
Badging	“Word Wrap” function is added to Badge Design.	PW-2478
Duress Signal	Pro-Watch can now generate a duress signal based on the PIN code. New firmware is required to use this function. See new firmware installation instructions on distribution media.	PW-2542 PW-2801
Panels	Added support for LNL-500/LNL-1000 panels.	N/A
Reports	Compliance Reports module can call video up from events in a report.	PW-2476
Video	The options for video call-ups are available when VMS video is linked to a non-alarm event.	PW-2477

Issues Resolved

Pro-Watch Component	Issue Description	Issue Number
Alarms	“Clear Alarm Event” procedure is now working.	PW-2642
Alarms	Ack/Ack All (Acknowledge/Acknowledge All) and Clear/Clear All functions now work properly in the Alarm Monitor when the user right-clicks a map icon.	PW-2825
Badging	If the “Add Card” function is revoked, the “Multiple New Badge” menu is now disabled so that the user cannot create new cards.	PW-2658
Badging	In the Advanced Badging module, the user can now print the actual company name instead of the place-holder field name “{COMPANY_NAM}”.	PW-2637
Badging	In Pro-Watch Enterprise, the cards now will not be auto disabled in the regions that have never been visited by the badge holder.	PW-1554
Badging	The cards in different time zones now do not expire before their expiry date due to the difference between time zones.	PW-1504
Database	The splash screen in the Database Configuration module now gets	PW-2627

	updated when PW 3.81 is patched up to PW 4.1.	
DTU	When the user creates a "Fixed Import DTU", the default values now load properly for the last field.	PW-2590
Events	ACK (acknowledge) procedure associated with an event now gets executed properly.	PW-2463
Mustering	Fixed the issue that could crash Pro-Watch in the Mustering application.	PW-2464
PW-2000	Card download function for PW-2000 is now working properly when the panel is using the OH option.	PW-2657
PW-6000	The users now can download the new firmware for PW6K1ICE and PW6K1R1e panels.	PW-2582
PW-6000	Includes updated firmware for PW-6101 controller and Reader boards. (PW6K1ICE - ep1501_1_17_3_0351.crc and PW6K1R1E - MR51e_app1_1_4_8.aax)	PW-2579
Readers	Fixed the Addressing issue with AD-400 Wireless Readers.	PW-2528
Routing Groups	The users that have a custom routing group other than "System All Events" can now acknowledge alarms in the Alarm Monitor.	PW-2832
Video	Pro-Watch will now receive Video Analytics events properly from a MaxPRO camera.	PW-2439
Video	In the Alarm Monitor, the right-click video actions of a video event (Show Surround Cameras, Show Pre-Post Alarm, Next Salve, etc.) now do work properly.	PW-1327
Video	The SALVO NO. (NUMBER) and PANEL NO. (NUMBER) columns are now displayed in their correct positions on the "Video Devices" tab of the "Logical Devices" screen.	PW-1096
Vista	The Pro-Watch 266/267 commands sent to the Vista panel are removed from the HI_QUEUE table on panel uploads and downloads.	PW-1088
Web Client	On Pro-Watch patch installations, the user now has the option to install the web component or to cancel it.	PW-2673
Web Client	Corrected the issue with applying Routing Group Filtering in Web based Alarm Monitor.	PW-2670
Web Client	In the "Arrange Columns" window, the Down button now is not disabled after moving a field to the bottom.	PW-2602
Web Client	Clicking the "Back to Historical Trace" button now does not create an error message.	PW-2599
Web Client	Misspellings of various GUI labels have been corrected including	PW-2586

	"Resource ID", "Hardware Point", "User ID", and "Pro-Watch Server Name".	
Web Client	On "Historical Trace" window, the "Previous" button now works.	PW-2486

Known Issues

Pro-Watch Component	Issue Description	Issue Number
Enterprise Server	The Distribution log displays as failed for a Regional Server. WORKAROUND SOLUTION: Remove "-UseInprocLoader:" flag from the parameters of the merge distribution agent.	PW-1039
Panels	When using Mercury Standard Protocol on a LNL-500, Elevator Control and Encryption is not supported. As a result of this, full panel downloads will result in syntax errors related to these functions. With these exceptions the controller works as expected.	PW-2806
Video	In the Alarm Monitor module, the "Toggle Full Screen" right-click video action of a video event does not work.	PW-2836

Release 4.1, Build 9411

Release Availability Date: May 2013

New Features

Product Component	New Feature Description	Issue Number
Advanced Badging	The Advanced Badging module was updated to Version 1.15 (see the separate Advanced Badging Release Notes Doc # 800-14175V1 for details).	N/A
Alarm Monitor	The “Secure” command label is changed to “Mark/Secure” for the Mask/Unmask function. The users can now use the Timed Mask function on an Input.	PW-1735
Badging	The ability to restrict adding, deleting or modifying card records of existing badgeholders.	PW-453
Badging	The “Export Image” option enables the user to right-click on a badge photo to export it.	PW-406
Compliance Reports	The Compliance Reports module was updated to Version 2.4 (see the separate Compliance Reports Release Notes Doc # 800-09726V2 for details).	N/A
Extended Stored Procedures	The following Extended Store Procedures are replaced by their specified Pro-Watch stored procedure equivalents: xp_mic_hp is replaced with mic_hp xp_mic_genevent is replaced with mic_genevent NOTE: The calling sequences are the same.	N/A
Galaxy	The users now can disable Galaxy panel Date/Time updates as an option.	PW-786
Panels	Mercury Standard Protocol is supported on PW-6000, PW-5000, PW-3000, and PW-6101 equivalent panels.	N/A
Web Client	Alarm Monitor now supports the following new features: Hardware control actions Rollup Details for alarms View Event History for alarms Recent History for alarms Printing Event History and Recent History for alarms Unacknowledging Alarms from Acknowledge Alarm Pane Rollup Count information in both the Unacknowledged and	N/A

	Acknowledged Alarm Pane Communication through HTTPS Rearranging column widths of Event Monitor Grid for each Alarm Information Field Changing column position for each Alarm Information Field Configuring Routing Group Information Card Holder Picture for any alarm	
Web Client	Event Monitor now supports the following new features: Rearranging Column Widths of Event Monitor Grid for each Event Information Field Changing column position for each Event Information Field Filter events by message type and User ID Communication through HTTPS	N/A

Issues Resolved

Pro-Watch Component	Issue Description	Issue Number
Alarm Monitor	The "Ack/Ack All" and "Clear/Clear All" right-click menu options for a Map Icon are disabled.	PW-1446
Alarm Monitor	The users can now revoke the Secure permission for masking in the alarm monitor.	PW-1063
Alarm Monitor	The Alarm Monitor does not crash on Live Trace.	PW-647
Alarms	The "ACK/Clear" procedure assigned to an alarm event now executes properly when the user uses instructions and dispositions to handle an alarm.	PW-1333
Alarms	Alarms from a Generic Channel come into the Alarm Monitor live without any problems.	PW-121
Archives	Archival purging does not crash the Pro-Watch server.	PW-1016
Badging	After a card is deleted, the users now cannot gain access by using the deleted card.	PW-1917
Badging	When creating a badge, the image summary tab is now populated correctly, displaying the user's image.	PW-1912
Badging	The users can now delete badge fields from Pro-Watch database.	PW-1820
Badging	The users can now add Quick Search fields to Badge Profiles by copying and pasting.	PW-825
Badging	The users now can add a new clearance code to an existing card, and then expand the clearance code without scrambling up the logical devices.	PW-708
DTU	PW now accepts card numbers with a leading zero as a separate card number. PW now also accepts multiple Data-Time formats.	PW-2161
Event Monitor	In the Download/Upload Messages screen, the users now can set the Default Interval Seconds to 5 seconds.	PW-649
Events	Rollover Events are now reported on time on rollover stations.	PW-622
Galaxy	Groups now get armed correctly.	PW-1990
Galaxy	The Virtual Keypad does not crash.	PW-1508
Galaxy	The user now can arm the Galaxy group and then toggle RIO	PW-1262

	zones successfully.	
Galaxy	When a Galaxy zone is masked, its last event status is preserved so that it can be reported when the zone is unmasked.	PW-1254
Galaxy	The erroneous warning messages issued by a Galaxy channel have been eliminated.	PW-1094
License	Licenses now do expire on the right date and time.	PW-646
Logical Devices	The default Entry/Exit Reader Door hardware template is fixed to allow for all Door Position Switch events.	PW-771
PW-6000	The users now can connect only a maximum of 8 PIMs to a single 485 port on a PW-6000 panel.	PW-1994
PW6K1ICE	When an encrypted PW6K1ICE panel is taken offline and then brought back online, the green Return event is displayed.	PW-1276
PW6K1ICE	The users are now allowed to add only 17 readers (ACRs) to the PW6K1ICE panel, and not 34 as was the case before.	PW-1634
PW6K1R1E	The users are not allowed to add more than 15 (fifteen) PW6K1R1E downstream panels.	PW-1516
Readers	Wireless Reader: Time Override and Momentary Unlock do not apply. They are grayed out.	PW-2322
Remote Comm Server	The users now can download the Tracking/Retry cards to panels on the remote servers.	PW-1019
Report	The user now can schedule a custom designed report.	PW-559
Routing Groups	A "user-created routing group" for a generic channel will report alarm events without any problems.	PW-1506
Shadow User	Pro-Watch now records the login or logout activities of Shadow Users.	PW-316
System Options	Micserver now does not crash when the system options "Download Tracking" and "Card Verification and Download" are enabled.	PW-1238
System Options	Pro-Watch server (micserver) does not crash when logging Mercury card download database is enabled.	PW-1282
Time Zones	PW time zone definitions now agree with MS Windows time zone definitions.	PW-2162
Users/Class	When selected, the "All" check-box selects all Device Status Filtering options under the User/Class menu.	PW-373

VISTA	When the user applies a software mask or unmask, the Vista point displays the correct visible status. The zone status is successful updated on unmask.	PW-305
Vista panel	Vista partition transaction event history is now properly displayed in English.	PW-2125
Web client	The web client can now perform such hardware actions as lock, unlock, mask, unmask, and timed mask.	PW-2052
Wireless Reader	When a door is opened by using a key, Pro-Watch reports a "Key Override" event, as it should.	PW-2002
Wireless Reader	When the Pro-Watch sends a lock or unlock command to a reader with the Wake on Radio (WoR) feature enabled, the reader receives the command within the WoR time period specified by the user.	PW-2001
Wireless Readers	When a wireless reader experiences an "RF failure" (i.e., when the batteries die), the panel now issues a "Wireless Reader R/F loss" alert.	PW-2003

Known Issues

Pro-Watch Component	Issue Description	Issue Number
Badging	In Classic Badging, image export to PNG and TIF formats fail.	PW-2539
Cards	In a Pro-Watch Enterprise environment, the cards expire before the end of the day in certain regions.	PW-1504
Cards	In a Pro-Watch Enterprise environment, the cards are disabled automatically in a region where they are not in use.	PW-1554
Galaxy	"Mask tamper alarm" functionality fails. When the panel is tampered, the panel starts beeping even though "mask tamper alarm" option is selected.	PW-1800
Galaxy	DCM Tamper events are seen in Galaxy event viewer but not in the Pro-Watch event viewer.	PW-1233
Web client	IE9 browser support for Web Client is limited. WORKAROUND solution: set the IE9 browser mode to IE8, and set the DOC mode to IE8 standards.	PW-2053
Web client	The Web Client does not implement the Ack/Clear functionality for an input point. If an extended stored procedure is assigned to an event, acknowledging/clearing the event in the web client will not run the event procedures.	PW-2663

Web client	When the user clicks the "Apply" button without selecting anything in the Routing Group Filter window, all events disappear from the alarm monitor page.	PW-2660
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Release 4.0, Build 9056

Release Availability Date: September 2012

New Features

Product Component	New Feature Description	Issue Number
Alarm Monitor	Web-based Alarm Monitoring: Added capability to monitor alarms via a web-based interface similar to the basic functionalities of the current client-based alarm monitoring tool.	N/A
Badging	Advanced Badging: The Advanced Badging module is now the default badging tool. On new installs, it is installed automatically and on upgrades/patches, the existing badging tool selection does not change. NOTE: Advanced Badging will be installed automatically on the full install and patch to 4.0. However, if it is a patch, Classic Badging will still be used as the default badging application until user changes the appropriate registry settings	N/A
Events Monitor	Web-based Event Monitoring: Added capability to monitor events via a web-based interface similar to the basic functionalities of the current client-based event monitoring tool.	N/A
Hardware	Wireless Readers: Added support for the Ingersoll Rand PIM 400 wireless readers via the PW-6000.	PW-1303
Licensing	The system now displays the maximum number of licenses available for regular and wireless readers.	PW-1219
	The dongle is eliminated and replaced with Software Key License.	PW-1296
	Now a user can create a one-time-only 30-day default demo license.	N/A
Reporting	The Compliance Reports module is now the default reporting tool. On new installs, it is installed automatically and on upgrades/patches, the existing reporting tool selection does not change. NOTE: Compliance Reporting will be installed automatically on the full install and patch to 4.0. However, if it is a patch, Classic Reporting will still be used as the default reporting application until user changes the appropriate registry settings.	N/A
User Interface	The visual appearance of the home page and icons has been enhanced.	N/A

Issues Resolved

Pro-Watch Component	Issue Description	Issue Number
Badging	Corrected the issue which could result in improper access when using Advanced Badging.	PW-1917
	Badges can now be modified in batches.	PW-78
DTU	The issue with DTU export functionality is fixed.	PW-1481
	DTU SQL import profile, Filter Tab, Comparison drop down list did not list the "is not NULL" option. Now it does.	PW-1236
Event Configuration	The error that occurred when one entered 3 or less for "Consecutive Time" field is fixed.	PW-1290
Licensing	The users now use local time when generating demo licenses.	PW-1696
	Corrected the issue which caused Pro-Watch licensing to revert to only 16 readers.	PW-1913
	MaxPro VMS and Pro-Watch licensing no longer conflict.	PW-1868
Panels	Corrected the issue which prevented communication breaks on PW-2000 from reporting correctly.	PW-1057
	GALAXY Mask/Unmask issue is resolved.	PW-1273

Known Issues

Pro-Watch Component	Issue Description	Issue Number
Alarm Monitor	When the user selects the “Open Badge” command inside the Alarm Monitor, the system launches the Advanced Badging module no matter which badging module is installed on the system.	PW-188
Badging	Advanced Badging currently does not support previewing or printing signatures on badges. Workaround solution: use Classic Badging.	PW-2056
Badging	In Advanced Badging, unable to set Temporary Access for revoked logical device. WORKAROUND: Use the Classic Badging module.	PW-2588
Installation	If you are running an operating system other than Microsoft Windows 7 or Microsoft Windows Server 2008, you will need to manually install Microsoft IIS before you install Pro-Watch.	N/A
OS	Pro-Watch no longer supports the operating systems Microsoft Windows XP and Windows Server 2003.	N/A
Web Client	When the user acknowledges an alarm that is rolled up on PW Alarm monitor, all the individual alarm events on the web client will be acknowledged. This could make a noticeable change on the Web Alarm window.	PW-2012
Wireless Lock	On wireless locks, it can take up to 10 minutes for card access changes to take effect.	PW-2001
Wireless Reader	The number of PIMs connected to a 485 port must not exceed eight (8). This limitation will be enforced in an upcoming release of the product.	PW-1994 PW-2006

Release 3.81 SP4, Build 8834 (Russian)

Release Availability Date: July 2013

Issues Resolved

Product Component	Issue Description	Issue Number
Badging	Pro-Watch now successfully saves changes made to the card properties fields. Specifically, if clearance code information is deleted from card properties, the system saves that change successfully.	PW - 2743
Display	Cyrillic character 'Я' is displayed properly.	PW - 1740
Enterprise	The users can now use Pro-Watch Enterprise with Russian OS.	PW - 2114
Events	Event Type/Extended Instruction when assigned as HTML file now does display Cyrillic characters.	PW - 2101
Events	Event response is displayed properly when added in Cyrillic characters.	PW - 2100
Galaxy	All Cyrillic characters are displayed properly in Galaxy Virtual Keypad (LCD screen).	PW - 1741
Galaxy	The users can now program event priority for Galaxy panels.	PW - 1315
Search	The users now can search for Cyrillic names in 'Void' dialog box.	PW - 2089
Video	MaxPRO VMS is now sending proper Video Analytics information from cameras.	PW - 2439

Known Issues

Pro-Watch Component	Issue Description	Issue Number
Badging	Temporary Access feature does not work properly with logical devices. Access is revoked, but the delay may be as long as 2 minutes.	PW - 2680
Login	The users cannot login normally or as a Shadow User when they use Russian names (with Cyrillic characters) as part of their last name. Only English names are supported	PW - 2099
System	Program functions do not display properly in the User properties in localized version.	PW - 1242

Release 3.81 SP3, Build 8815

Release Availability Date: May 2013

New Feature

Pro-Watch Component	New Feature Description	Issue Number
Badging	Card PIN authentication rules are now established.	PW-2543

Issue Resolved

Pro-Watch Component	Issue Description	Issue Number
Badging	Improved the response time of communicating anti-passback (APB) information to other panels in an area.	PW-2333
Enterprise	“Other Server Options” localized (Russian).	PW-2114
Galaxy	Up to 250 Galaxy panels can now be installed.	PW-2448
PW-6000	Buffered PW-6000 transactions are now received properly after serve restart, on Russian localization.	PW-1729
PW-6000	In encrypted communication mode, when the PW-6000 panel returns from offline to the online mode, its online status is verified correctly by its icon turning green.	PW-1276
Server	Server Manager Wizard now works properly on Russian localization.	PW-1796
Star II	Pro-Watch correctly updates all Star II panels with anti-passback (APB).	PW-1014
System	Pro-Watch service no longer crashes.	PW-2316
System	Server no longer crashes when Pro-Watch license information screen is closed.	PW-1558

Release 3.81, Build 3.81.0.8798 (Maintenance Patch)

Release Availability Date: January 9, 2013

Issues Resolved

Pro-Watch Component	Issue Description	Issue Number
Logical Device	The user can set the door lock strike time to 255 seconds.	PW-2057
Alarm Monitor & Event Monitor	Alarm and event monitors now do receive alarms and events from remote regions.	PW-2124
Galaxy	The users can now load Galaxy configuration regardless of size without any problems.	PW-1350
DTU	DTU now accepts card numbers with leading 0 (zero). It accepts multiple data-time formats including MM/DD/YYYY and DD/MM/YYYY.	PW-2161
Database	The users can now delete the Badge field from the database.	PW-1820
Licensing	Pro-Watch license is recognized in Russian.	PW-1797
Badging	Auditing works when badges are added to the system through the Bulk Add feature.	PW-300

Known Issues

Pro-Watch Component	Issue Description	Issue Number
Galaxy	"Bypass by Type" setting omits all zones in logical device.	PW-2303
DTU	DTU export does not work correctly.	PW-2297

Release 3.81, Build 8794 HF (QP-JBK-Halul)

Release Availability Date: October 2013

Issues Resolved

Pro-Watch Component	Issue Description	Issue Number
Video	Videos requested via PW Report link are displayed properly on the Pro-Watch Client workstations.	PW-2791
Video	The correct videos are fetched properly when a search is made with the "mm/dd/yyyy" date string.	PW-2792

Known Issue

Pro-Watch Component	Issue Description	Issue Number
Database	When editing a logical device with 21 CFR auditing enabled, the database generates an error.	PW-2953

Release 3.81, Build 3.81.0.8794 (Debug Log Patch)**New Feature**

Pro-Watch Component	New Feature Description	Issue Number
Diagnostics	Additional debugger tests have been added.	N/A

Issue Resolved

Pro-Watch Component	Issue Description	Issue Number
Badging	A single quotation mark (') in card number will now generate an error message.	PW-2158

Pro-Watch 3.81.0.8794 HF (DTU)

Release Availability Date: January 24, 2013

Issue Resolved

Pro-Watch Component	Issue Description	Issue Number
DTU	DTU (Data Transfer Utility) now transfers leading-zero in card numbers as well as multiple date-time formats.	PW-2161

Release 3.81 SP2, Build 8793

Issues Resolved

Pro-Watch Component	Issue Description	Issue Number
Alarms	Command queue no longer impacts system operations.	PW-2081
	System now shuts down properly when the alarm monitor is shut down.	PW-2120
Badging	The user can issue clearance codes to cards without any delay.	PW-2059
CardKey	CardKey D600AP panels work properly when switching to a secondary channel.	PW-2061
GALAXY	GALAXY Masking and Unmasking procedures work as expected.	PW-2080
	GALAXY Group D8 (#32) status is displayed properly.	PW-2078
	GALAXY group status displays correctly after a reboot or service restart.	PW-2064
	GALAXY can now send the correct group commands to the server.	PW-2063
License	PW clients connect to the server without any problems.	PW-2079
MAXPRO	Maxpro VMS Channel come online automatically during MVMS failover.	PW-1832

Known Issues

Product Component	Issue Description	Issue Number
GALAXY	Some control options from alarm monitor or from Map may not function properly.	PW-2083
	'Mask/Unmask of zone' may not function properly.	PW-2084

Release 3.81 SP1, Build 8791 (PDF-417)**New Feature**

Product Component	New Feature Description	Issue Number
Badging PW	A PDF-417 license is utilized during Print and Print Preview and then released when the operation is complete.	PW-1314

Pro-Watch 3.81, Build 3.81.0.8589 Hot Fix (APB)

Release Availability Date: January 17, 2013

Issues Resolved

Pro-Watch Component	Issue Description	Issue Number
Even Monitor	Improved the response time of communicating anti-passback (APB) information to other panels in an area.	PW-2333
Even Monitor	In encrypted communication mode, the RTN status message is now displayed in the Event Viewer when the panel comes back online.	PW-1276
Server	Fixed a server crash related to client connection.	PW-2316
APB	ProWatch with Star II panels and global anti-passback (APB) now properly updates the panels in question.	PW-1014

Release 3.81 SP1, Build 8778 (PW-1977 SOFTKEY HOT FIX)**Issues Resolved**

Pro-Watch Component	Issue Description	Issue Number
License	Login from a remote client after a server reboot is now available.	PW-1977
	Corrected license from reverting back to 16 readers.	PW-1790

Release 3.81 SP1, Build 8778 (SOFTKEY HOT FIX)**Issue Resolved**

Product Component	Issue Description	Issue Number
License	Corrected license from reverting back to 16 readers.	PW-1790

Release 3.81 SP1, Build 8778 (MAXPRO® VMS Patch)**Issue Resolved**

Product Component	Issue Description	Issue Number
MAXPRO® VMS	Corrected Pro-Watch® integration issues with MAXPRO® VMS.	N/A

Pro-Watch 3.81.0.8731 HF (Stentofon Door)

Release Availability Date: January 24, 2013

New Feature

Pro-Watch Component	New Feature Description	Issue Number
Intercom	Added capability to unlock a door using a Stentofon intercom.	PW-2340

Release 3.81 SP1, Build 8731

Please note that Panel communications to PW-6000s in Pro-Watch Build 8731 requires the panels to be updated to firmware Version 2.054. This firmware can be found on the Installation media. The PW-6000 ICs should be updated prior to upgrading Pro-Watch.

New Features

Product Component	Feature Description
Server Options	Privilege Management enables a Pro-Watch unrestricted user to designate "restricted users." A restricted user is one who can create other users who can have only the privileges that are less than or equal to those of the restricted user. These privileges include user program access and partitions. If the new user created by the unrestricted user is a member of a class (such as the root class) that would normally afford the user more privileges than the restricted user has, these additional privileges are automatically revoked from the new user. That is, the new user retains only the privileges that the restricted user owns. A restricted user cannot modify his or her own privileges.

Known Issues/Notes

Pro-Watch Component	Issue Number	Issue Description
Installation	PW-9	The Pro-Watch Service may not start automatically after Pro-Watch is installed. The workaround is either to 1) start the service manually in Control Panel > Administrative Tools > Services, or 2) configure the service to start automatically by following the instructions in the Pro-Watch Software Suite Installation Guide (7-901073-D), pages 26-29.
Pro-Watch/MAXPRO VMS Integration		When a MAXPRO VMS channel is established, and: Pro-Watch Alarm Monitor is closed, MicAlarm crashes,

	<p>Pro-Watch application is closed, MicShell crashes. When this occurs, however, there is no impact on MAXPRO VMS or Pro-Watch.</p>
	<p>When a user is edited in Pro-Watch, joystick controllers are deleted from the user's association in the MAXPRO VMS Viewer. Workaround: Re-associate the joystick controllers from the VMS Viewer after user details are edited in Pro-Watch.</p>

Release 3.81, Build 3.81.0.8589 (Shell HOT FIX)**New Feature**

Pro-Watch Component	Issue Description	Issue Number
Diagnostics	Additional debugger tests have been added.	N/A

Issues Resolved

Pro-Watch Component	Issue Description	Issue Number
Barcode	<p>The results of the crash dump analysis have been confirmed: the process crashes around PDF417 2D barcode libraries.</p> <p>As a solution we have:</p> <ul style="list-style-type: none">a. Implemented a memory fix and optimizations around this area.b. Implemented safe string functions suggested by Microsoft around few identifiers including workstation name.	N/A
MS Library	MS library incompatibility -- Pro-Watch will be recompiled and new binaries built with a single version of the MS libraries. The build number will not change and this will only impact the server.	N/A

Release 3.81, Build 8589 (STENTOFON PATCH)**New Feature**

Pro-Watch Component	Issue Description	Issue Number
Intercom	Add Support for the Stentofon Alpha Comm XE 7.	PW-1482

Release 3.81, Build 8589 (LICENSE HOT FIX)**Issues Resolved**

Pro-Watch Component	Issue Description	Issue Number
Encryption	When encryption is enabled on a PW-6000 panel, card read now displays in the Event viewer.	PW-1268
License	Corrected license from reverting back to 16 readers.	PW-1790

Release 3.81, Build 8589**New Features**

Product Component	Feature Description
Controllers	Pro-Watch now supports the PW6K101 Series Controllers.
Pro-Watch Licensing	Pro-Watch now supports software based licensing.
SQL Server Express	SQL Server Express 2008 tools are included in the Pro-Watch 3.81 Professional Edition installation.
Operator Actions Display	Operator actions can now be viewed in the Logical Device Transactions tab.
Hardware Configuration	Added support for Vista BPT.
Virtualization	Pro-Watch now supports VMWare and Microsoft Hyper-V.
HSDK	The Honeywell Software Development Kit (HSDK) is fully supported by this release.
SNET Readers	The Pro-Watch PW-6000 panel now supports SNET communication with readers.
Open Supervised Device Protocol (OSDP)	The Pro-Watch PW-6000 and PW-6K1ICE panels now support Open Supervised Device Protocol (OSDP) communication with readers.

Issues Resolved

Pro-Watch Component	Issue Number	Issue Description
Administration	PW-114	Corrected error on DTU export profile (TT 8719).
	PW-189	Corrected error on DTU import/export (TT 8776).
	PW-263	Corrected syntax error on Workstation Report (TT 8685).
	PW-341	After editing a Data Transfer Utility (DTU) profile, the Profile options are now "grayed-out" to indicate that they are not available.
	PW-547	A GD-48/GD-96 panel is defined as offline when no data is received from the panel for a defined length of time.
	PW-575	When using the Data Transfer Utility (DTU), the photo file names include the prefix and postfix.
	PW-599	Cards to which the All Access built-in clearance code has been assigned now get updated properly when new readers are added to the system.
	PW-713	The export transaction date and time in the Data Transfer Utility (DTU) now update properly.
	PW-714	Corrected issue which could prevent proper Data Transfer Utility (DTU) updates.
	PW-758	You can now sort the time zones by the first letter of the time zone so that you need to hit just the first letter of a zone to display it.
	PW-792	You can now remove a regular clearance code when a timed clearance code for the same card is also active.
PW-836	When you add a clearance code to or remove a clearance code from a card, the Data Transfer Utility (DTU) now downloads the card to the panels.	

Issues Resolved (continued)

Alarm Monitor	PW-492	Added the capability to connect to all regions (in addition to the local region) and disconnect from all regions. New buttons on the Alarm Monitor toolbar are provided for each operation.
	PW-444	Added zoom capability to Maps in the Alarm Monitor.
	PW-53	Selected acknowledged alarms now remain highlighted, even after new alarms are moved into the acknowledged window from the unacknowledged window.
	PW-434	Users can no longer use the shift highlight all function to clear all alarms when the Clearall user function has been revoked.
	PW-449	The Alarm Monitor now displays the Forced and Held Open states of a Logical Device door with a new icon to distinguish these states from others.
	PW-550	You can now connect to another region's Alarm Monitor from your Alarm Monitor page.
	PW-652	The CCTV command menu is available in the Alarm Monitor.
	PW-797	Fixed issue which caused a crash within the Alarm Monitor when opening new maps.
	PW-839	Corrected issue which prevented alarms from displaying on map pages without a manual refresh.
Badging	PW-20	You can now use the Copy and Paste functions when you create a new Badge Type with the Front Layout Blob type selected and the Back Layout Blob Type not selected.
	PW-29	The Image Summary screen now displays all relevant records.
	PW-175	The "Is Empty" search locates any nulls or fields with only empty spaces.
	PW-277	Pressing Cancel after defining the Card Company now properly retreats from the Company selection operation

Issues Resolved (continued)

Badging/Reports	PW-531	Searches using the same criteria in both Pro-Watch Badging and Pro-Watch Reports now yield the same results.
	PW-751	You can now display names of more than 60 characters in the Badge Detail Report image section.
Card Formats	PW-46	LTA: Pro-Watch now fully supports 64-bit cards on the PW-5000 and PW-6000 panels.
Database Configuration	PW-505	Copying and pasting Classes in Pro-Watch now copies and pastes complete Class data, including Badge Profiles, Event Columns, and Event toolbars.
Logical Device Configuration	PW-708	To display logical devices in the correct order after adding a new clearance code and expanding it, save the card, exit, then re-open the card.
	PW-712	When you reassign company/clearance codes, you get a prompt to remove Logical Devices.
	PW-811	To delete a command under the Video Device tab, first select the command and then click Delete .
	PW-812	When you reopen a Logical Device after adding video commands in the Logical Device configuration, the commands are sorted alphabetically on the video command list under the Video Devices tab in the Logical Device Property dialog box. The commands themselves are carried out in the order they are originally inserted.
Pro-Watch Enterprise	PW-551	To back up a database with a time schedule, use the database server name associated with the instance (the regional database) when defining scheduled tasks.
	PW-853	You can now switch to one of the regions on the drop-down list of machines when the database of the regional server is on one machine and the Pro-Watch application is on another.

Issues Resolved (continued)

Hardware Configuration	PW-1	Once an intrusion device is added to a Hardware Template, users cannot add another device.
	PW-50	Hardware Template instruction sets are now being displayed properly in the Alarm Monitor.
	PW-82	When Star 1 and 2 panels are connected on a network and the network connection fails, the panels now automatically re-connect when the network is restored.
	PW-168	LTA: When channels and panels are added to a status group, they can now be opened within that status group without generating database syntax errors.
	PW-210	When you disconnect a Vista panel, the Vista channel and panel continue to show offline events.
	PW-267	Vista Panel: When the database connection is reset, all unused connections are now being cleaned up.
	PW-268	Vista Panel: Alternating Current (AC) loss message now displays correctly.
	PW-778	Pro-Watch Event Procedures: Galaxy panel now selectable if command "Arm Vista Partition/Galaxy Group" is selected.
Reports	PW-31	Batch Modified badge records now correctly audited.
	PW-299	"Company" now displays correctly after running Audit Log report.
Shadow Logon	PW-339	All Pro-Watch viewers now display correctly.

Known Issues/Notes

Pro-Watch Component	Issue Number	Issue Description
Installation	PW-903	When installing an update of Pro-Watch on a client PC, entering an ID and password when prompted will install the Pro-Watch Bridge service. If you are not using HSDK (Honeywell Software Development Kit), you should click Cancel when prompted for an ID and password to avoid installing the Pro-Watch Bridge service.
SNET		<p>PW-6000 SNET integration is supported with the following firmware:</p> <p>PW-6000 IC firmware: pw6k_2_5_4_0279.crc</p> <p>PW-6000 Two-Reader board firmware: pw6k1r2_appl_1_5_8.aax</p> <p>Both firmware versions are provided on the Pro-Watch installation DVD.</p>
SNET	PW-789	<p>You must create an appropriate Card Format to enable card transactions from the SNET readers to be reported correctly. Follow these steps:</p> <p>Go to Database Configuration > Card Format.</p> <p>Right click anywhere on the screen, and select New Card Format.</p> <p>At the Choose Card Format Type box, select Non PW-2000 and click OK.</p> <p>At the Add Card Formats screen, enter a Card Format description in the Description box that you will easily identify as the SNET Card Format (e.g., "SNET").</p> <p>In the Property/Value box below the Description field, select PW5K Wiegand as a format type, and select the appropriate number of bits (i.e., if the cards you will be using are 32-bit cards, select 32 in this field, etc.) .</p>

Description:
SNET

Property	Value
Format Type:	PW5K Weigand
Id Offset:	0
Bits:	32
Flags:	0

In the Card Item/Start/Length box to the right of the Property/Value box, select or enter the appropriate values.

Card Item	Start	Length
Facility Code:	0	0
Card Number:	0	32
Issue Code:	0	0
Even Parity:	0	0
Odd Parity:	0	0

Click **OK** to accept the new Card Format for SNET.

From the main Pro-Watch screen, select **Hardware Configuration**, select the appropriate Site, click **Panels**, and double click the panel you are configuring for SNET communications.

At the Edit Panel screen, click the **Card Formats** tab, and click the **Add** button on the Card Formats tab.

In the Select Card Format box, click the green icon next to the Card Format field.

From the Card Formats list, select the format you created for SNET and click **OK**.

Select a number of your choice in the Format # field, and enter a Facility Code (or check **All**). Click **OK**.

From the Pro-Watch main screen, select **Hardware Configuration** and click the appropriate Logical Device folder to display the site's Logical Devices.

Right-click the Logical Device you want to configure for the SNET readers, and select **Properties**.

Select the **Logical Device Details** tab, and click the appropriate reader to display the Edit Reader dialog box.

		Click the Reader Settings tab. In the Card Formats box, select the SNET reader you configured in steps 1-7, and click OK .
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Release Notes Pro-Watch Software Suite Release 3.8 SP1, Build 8359

New features in this Service Pack:

- Badge Builder: Text fields in badge profile and action notes fields now include a word wrap feature which can be enabled per field. (TT-5732)
- PW5000/6000 panel: Single card downloads are now logged. (TT-8302)
- Badges: Improved downloading performance for large batches of badges. (TT-8330)
- Panel transactions: Verifies transactions from a panel are not lost. (TT-8331)
- Panel downloads: Verifies downloads to a panel are received. (TT-8332)
- Vista Panels: Added support for Vista BP panels. (TT-8378)
- Galaxy Panels: Added capability in Database Configuration to manage Galaxy users. (TT-8540)

Issues resolved in this Service Pack:

- Badge Wizard: New badges created in the wizard are now logged. (TT-7532)
- CCTV: Return to Normal configuration data is now being saved. (TT-7974)
- DTU: Real DTU error no longer being received. (TT-8503)
- Vista Panel: Time displayed is limited to hours and minutes. (TT-8533)
- Galaxy Panel: Improved response performance of zone status messages. (TT-8548)
- Vista Panel: Offline status is now reported correctly when disconnected. (TT-8575)
- Galaxy Panel: Zone statuses are now being reported in status group display. (TT-8614)
- Install: Pro-Watch can now be installed on a domain controller. (TT-8616)
- Badging: Batch update performance improved. (TT-8631)

Known issues in this Service Pack:

- Logging: When in level 3, 4 & 5, initiation of a download from the Client does not get written to the log file on the Client. Workaround: Create a "Logs" folder on the Client and restart the PW Service, then downloads initiated from the client are recorded. (TT-8729)
- Mask/Unmask: Selecting Mask or Unmask of a Channel on Status Group displays error message. Workaround: These page options should not be visible for panels and channels, since they are not logical devices, nor otherwise subject to these actions. (TT-8777)

- Pro-Watch Registry Editor – Various Pro-Watch keys are not created in the Windows Registry (REGEDIT) until they are first selected in the Pro-Watch Registry Editor (TT-8780)
- Alarm Monitor: Alarm does not beep. Workaround: Set NewAlarmTrigger registry key to zero after a full install. (TT-8781 & 8786)

Release Notes Pro-Watch Software Suite Release 3.8, Build 18246 Patch

Issues resolved in this patch:

- Pro-Watch reconnects when it determines that the V5 panel is off line. (TT-8698)

Release Notes Pro-Watch Software Suite Release 3.8, Build 8246 HotFix

New features in this HotFix:

- Integrated with MaxPro VMS R200 Build 141.

Issues resolved in this HotFix:

- Pro-Watch client was not able add video server when Pro-Watch server is installed on Windows 2008 machine.
- Memory leak in Pro-Watch server & subsequent crash on several restarts of the trinity server.
- All Video devices are disappearing from Pro-Watch, when n/w connection with VMS is interrupted while download is in progress.
- Live update is not happening and alarms not received in Pro-Watch on restart of VMS server.

Release Notes Pro-Watch Software Suite Release 3.8, Build 8246

New features in this release:

- Support for the Galaxy Dimension Intrusion Panel
- Barcode: Support for new barcode type (PDF 417). Use requires third-party license per client.
- Dongle: User alert provided for impending expiration date.
- New Installation package:
 - New user interface for improved ease of use.

Selectable installation configurations:

Pro-Watch Installation (Complete)

Pro-Watch (Server only)

Pro-Watch Client (Complete)

Pro-Watch Terminal Client (Only)

Pro-Watch Database (Only)

Pro-Watch Installation (Custom)

- Installs Professional, Corporate, Enterprise and Lite editions of Pro-Watch.

Operating systems supported:[\[Init_Atlas_fws2Requirements.GeneralRequirements.3\\$Must\\$Root](#)

- Windows XP Professional: 32 bit (SP3)
- Windows Vista: 32 bit (SP1).
- Windows Server 2003: 32 bit (R2 SP2).
- Windows Server 2008: 32 bit (SP2), 64 bit (SP1).
- Windows 7: 32 bit, 64 bit
- SQL supported:
 - SQL Server 2005: 32 bit (9.0.4035).
 - SQL Server 2008: 32 bit (10.0.2531), 64 bit (10.0.1600)
 - SQL 2008 Express: 32 bit (10.0.1600.22)
- Application Log-in features:
 - Added an alternate Pro-Watch login mechanism optimized for non-domain environments, such as a small installation.
- Mapping: Added support for DWFx/XPS files. Use requires third-party license per client.
- Event Procedures: Added a mechanism to trigger event stored procedures based on consecutive same events from a logical device.

- Vista Intrusion: Vista zones can be specified as timed points.
- Data Transfer Utility (DTU): Added new option to specify age (in minutes) of historical transactions to include in export.
- PW5000 Panels: Improved performance when downloading badges.

Issues resolved in this release:

- Badges: Deleting a badge holder also deletes associated blobs. (TT-3383)
- Alarm monitor\Instruction Window: "Description" and "Instruction Message" fields are now in the proper order. (TT-4641)
- PW5000 and PW6000 panels: The latest firmware versions are now downloaded properly. (TT-5276)
- Watchtower: Alarm events from monitorable inputs are now being displayed in Event Viewer in a timelier manner. (TT-6492)
- Install: Machine name can now be more than 14 characters. (TT-6511)
- Watchtower: Timer for Door Unlock resets on stop time. (TT-6537)
- Single Card Download: No longer generates unacceptable memory leaks during this process. (TT-6718)
- PW5000 Panel: When adding a time zone, the next available time zone is now being computed properly. (TT-6826)
- Alarms: Provides an "Event Response" when clearing/acknowledging an alarm when using maps. (TT-7045)
- Advanced search: Capability to add open and close parentheses to search criteria. (TT-7069)
- Badge Summary Report: Can be run when selecting more than 12 logical devices. (TT-7486)
- Enterprise Edition: A report can be viewed, then the database changed and then report viewed again without issues. (TT-7496)
- Action Note Reports: All 255 available characters are now being displayed. (TT-7497)
- Legacy Restore Utility: Added missing option for R6 databases. (TT-7498)
- SEEP channels: Startup no longer results in a crash. (TT-7519)

- Star 1 Panels: Shunted alarms are no longer included in reports. (TT-7590)
- Dongle: Pro-Watch shuts down and issues a message when expiration date is exceeded. (TT-7648)
- Dongle: Not being recognized in certain instances has been corrected. (TT-7654)
- Guard Tours: Corrected issue that caused guard tours not to function. (TT-7659)
- Alarm Monitor: Right clicking on a camera icon now displays available video. (TT-7684)
- Event Log Reports: Message column no longer over writes Company column. (TT-7755)
- SmartPlus: Improved response of updating the Channels and panels status icons. (TT-7780)
- PW5000 Panels: Able to save Extended Instructions. (TT-7807)
- Remote Comm Server: Offline events are generated for all associated panels when Remote Comm Server goes offline/disconnects from the Primary Comm Server. (TT-7818)
- Vista Keypad Display: No longer scrambles display after hourly time updates. (TT-7832)
- SEEP Panel: Clicking Ok on the panel properties no longer adversely affects system operation. (TT-7836)
- Card Transaction Tab: The opening performance of card properties has been improved when large amounts of Event Log data exist. (TT-7838)
- Rapid Eye: Channel serial numbers no longer affect communication with other channels (primarily PW5000 and PW6000). (TT-7839)
- Hardware Template (Default Entry/Exit Reader Door): Added missing reader and input point events. TT-7840/8194)
- Card Maintenance: A maximum limit of 64 is imposed while revoking a logical device. (TT-7866)
- Card Maintenance: Correctly computes the maximum number of number of readers per PW 5000/6000 panel per card. (TT-7867)
- Dongle: Alert users to an impending Dongle expiration. (TT-7872)
- Watchtower: Up to sixty-three time zones are now permitted. (TT-8159)
- Watchtower: The Active/Deactive status for Outputs is now shown under panel status. (TT-8162)

- Watchtower: Missing door events for readers are now listed on the Events tab. (TT-8163)
- Batch Modify: Now respects Partitioning. (TT-8167)
- Enterprise: Improved reliability of Alarm Manager to receive all events from remote regions. (TT-8178)
- Panel Move Utility: Now works for non-admin user on a client machine. (TT-8184)
- PW6000 panel: Can add a one reader board during configuration. (TT-8207)
- Event Procedure: The Arm Command drop down list now functions properly when switching between Vista and Galaxy panels. (TT-8247)
- Event Procedure: "Issue an Event" is now executed when assigned to a user-defined routing group. (TT-8254)
- PW5000 encryption: Master keys are now downloaded to panels. (TT-8303)
- Logical device: Editing subpanel hardware no longer causes program to discontinue operation. (TT-8334)
- Badge: The process of creating a badge no longer results in the program to discontinue operation. (TT-8344)
- Vista panels: Now utilize the time zone specified in the channel as the basis for establishing local time. (TT-8345)
- Badge Builder: Program discontinues functioning when editing user defined values. (TT-8387)

Known issues in this release:

- Logitech camera: No support for this device on Server 2008. (TT-7918)
- Honeywell Vista channel - TCP/IP port set to 0 causes downloads to stop. (TT-7920)

In Windows Server 2008, the Pro-Watch service should be set to Delayed Start in order for it to start automatically upon a reboot. (TT-7921)

Star panels: Masking and Unmasking inputs on these panels generates erroneous events: (TT-8305)

- On a Star 1 panel when the input is masked, it gives 908 input status unknown twice and 51 mask alarm point. When unmasking input it gives 52 arm an input point followed by 2 10908 input status unknown RTN events.
- On a Star2 panel when the input is masked, it gives 908 input status unknown twice and 51 Mask an alarm point. When unmasking input it gives 10908 input status unknown RTN twice and 52 arm an alarm point.
- Badge designer: Does not allow you to browse drives for pictures. The workaround is to type the drive letter i.e. C:\ under filename. (TT-8310)
- Wizard: Incorrect reader assigned for default hardware template. Workaround is to un-assign the exit (second) reader and assign the one desired. (TT-8323)
- Pro-Watch Enterprise: Changing the replication schedule time from a regional monitor generates an error message. (TT-8238)
- Pro-Watch Enterprise: All servers on an Enterprise network have to be the same: Operating System, SQL version and Pro-Watch version.
- Pro-Watch Enterprise: Installations based on 64-bit Microsoft SQL 2008 require the installation of Microsoft's SQL 2005 Backwards Compatibility Pack. This can be found on the Installation Disks or at: <http://www.microsoft.com/downloads/details.aspx?familyid=228de03f-3b5a-428a-923f-58a033d316e1&displaylang=en>
- Antipassback: Unable to receive antipassback error message using Entry/ Exit hardware template. (TT-8194) Workaround: Once the events are defaulted under the HW Template and the events are defaulted under the reader, antipassback works properly.
- Timed masks: On 64-bit operating system, the timed masks may not unmask after the program time expires on a PW6k reader. (TT-8563) Workaround: Adding the following registry key into the registry on the server is needed for micxp.dll to work:
[HKEY_LOCAL_MACHINE\SOFTWARE\Honeywell\ProWatch\Directories]
"CommServerName"="<YourCommServerNameGoesHere>"
- Data Transfer Utility: In order to run DTU on a 64-bit operating system, use the 64-bit DTU version provided on the install disk.
- On 32 bit SQL Server 2008 (running on Windows 2008 standard) a combination of factors can cause memory related stress. See Resource below for more information:

<http://www.microsoft.com/products/ee/transform.aspx?ProdName=SQL%20Server&ProdVer=10.0.2531.0&EvtID=701&EvtSrc=MSSQLSERVER&FileVer=10.0.2531.0&FileName=&EvtType=&LCID=1033>

The following suggestions help to prevent the crash:

1. If the SQL server machine by default can only access 2GB of memory. In order to access more physical memory on the machine the following options need to be selected:

(From SQL management studio -> Server Properties->"Memory" settings)

AWE flag 1, Min (MB) - 1024, Max (MB) - 5632

2. Use the Windows Group Policy tool (gpedit.msc) to enable "Lock Pages in Memory" policy for the account used by SQL Server

(<http://msdn.microsoft.com/en-us/library/ms190730.aspx>).

3. Increase interleave memory (used by link server, stored procedures...)

SQL Server Configuration Manager -> Properties of running instance of SQL Server -> Advanced tab -> Startup Parameters

Add the following to the end, without the quotes: ";-g384"

(<http://blogs.msdn.com/psssql/archive/2010/02/19/did-you-start-your-sql-server-engine-correctly.aspx>)

Note: One could increase that to 512 (-g512) to prevent crash due to mem2leave constraints.

4. Apply the hot fix for kb 977093 (<http://support.microsoft.com/kb/977443>)

SQL_Server_2008_SP1_Cumulative_Update_6_SNAC

SQL_Server_2008_SP1_Cumulative_Update_6

5. (Optional) if not using CLR , you can disable CLR in sp_configure

If the issue persists on high load conditions, the only option is to move to 64bit environment.

Maxpro VMS Integration:

- o New VMS features in this release of Pro-Watch:

1. Option to enable / disable PW verification viewer integration with MVMS to show Badge Photo, Badge Signature and Live Camera video attached to it.
2. Support for MVMS events (Note: MVMS events id range in PW is 5000 to 10000 in which 5000 to 8000 is for video device events and 8000 to 10000 are for IO events, user devices events & scheduler events)
 - User defined events
 - IO Events
 - Scheduler events
 - Analytics events
3. Implementation for Download started and Download Stopped events in Alarm view on manual download
4. MVMS channel controller port is editable now

5. On the Fly DVR / NVR integration for any new DVR / NVR integration in MVMS (PW doesn't need to change in order to support them)
- VMS issues resolved in this release of Pro-Watch:
 1. For migration from older installations (till 3.7.8037) that doesn't have MVMS channel download events: Added MVMS channel events specific to download of MVMS configuration to PW (download started event & download completed event). Note: For any new MVMS channel creation, these events automatically getting populated in PW and thus this SQL script would be void in these scenarios.
 2. Fix for Intellex dvr integration through MVMS integration in PW: Previously CCTV commands relevant to Intellex DVR was not updated properly. Now it is fixed.
 - Migration from 3.7.7941 to 3.7.8037
 - Migration from 3.7.7941 to 3.7.8199 (or later)
 3. PW event address range fix: PW events maximum address limit is changed from 1000 to 10000 in order to allow MVMS events in PW. It still works fine. But this fix is for adding events with the address of greater than 1000 through MICShell when any new events is added for devices in PW. The configuration page was not allowing the addresses greater than 1000 but fixed now. Multiple MVMS configuration download fix: Multiple MVMS download in PW is limited to only one download at any point of time now in order to synchronize the configuration properly. But the failure case was not handled during the implementation. Now it is handled & fixed.
 4. Fix for MVMS channels' controller port in deployed sites: MVMS channel creating would handle the default MVMS port number in configuration during the channel creation. This default port number was hard coded previously. Then it got changed to allow any user input ports. It would work if channel is newly created from the fix. But for the existing MVMS channels, when they migrate to this patch, the default port number was getting assigned to 0. It is fixed now.
 5. MVMS channel reconnection fix. Previously, the channel is getting status as reconnected (but not really reconnected) when it's received a specific combination events from MVMS (disconnected & reconnecting). This is fixed now.
 6. Some of the Video actions in PW Alarm map were disabled previously. Now it is fixed.
 7. Playback of Video when user clicks on hyperlink from PW reports for Video related events was not working previously. It is now fixed for the cameras associated to reader logical devices (not applicable to MVMS devices & events that are not associated with Logical devices).
 8. Fix for issue showing all monitors while searching for monitors in Tools--> Find Window by any non numeral of Video server number

9. Fix for issue showing all monitors while searching for cameras in Tools--> Find Window by any non numeral of Video server number
 10. Fix for some of the recorder events (like camera server health changed, database server health changed etc) generated in MVMS is not received in PW alarm monitor
 11. Renaming a cameras / monitors in MVMS creates new cameras / monitors in PW. Now it is fixed.
 12. When we change Camera call up number in MVMS, it is not synchronized with PW properly. Now it is fixed.
 13. Users created with PIN number in prefixing with zero in MVMS are not synched correctly in PW. Now it is fixed.
- Migration Procedure:
 - To migrate from Pro-Watch 3.7.7941 to 3.7.8037:
 1. Take database backup
 2. Install the Patch of 8037 over 7941 PW system.
 3. Upgrade MM Sp2 to MM R200
 4. Let the channel come online in PW
 5. Open migration tool and perform migrate function.
 6. Upon successful migration message, perform download system on Video channel in PW.

Note: Migration steps MUST be performed before performing any download.

 - To migrate from Pro-Watch 3.7.7941 to 3.8.8199 (or latest 3.8 release):
 1. Take database backup
 2. Install the Patch of 8199 over 7941
 3. Upgrade MM Sp2 to MM R200
 4. Let the channel come online in PW
 5. Right click on channel and select download and perform migration. (Do NOT select download system)

6. Upon successful migration message of download complete in event viewer / alarm monitor, perform download system on Video channel in PW.

Note: Download system on video channel should not be performed before migration, else the entire Video integration related database would corrupt and camera / commands get lost.

- For new sites with Pro-Watch 3.8.8199 (or upcoming 3.8 release candidate) as first installation:

No migration procedure is applicable.

- MVMS Device compatibility matrix:

PW version 3.7 supports only those device types which were present till R140 SP2 release of MVMS. It does not support device types newly added in R200 release. Below is a list of what is supported and not supported in PW 3.7. The next qualified build of PW (may be 3.8 release that is greater than 3.8.3199 version) will support all features of MVMS R200.

Entity	Supported	Not supported
Video Input	Cameras	Hybrid Cameras, Digital Input trunk, Other MVMS video input device types
Video Output	Monitors (Analog, Digital)	Digital Output trunk, Other MVMS video output device types
Recorder	IP Engine, RE, Fusion, Enterprise,	Pelco, Intellex , HRXD
Events	Camera events, Recorder events	Analytics event, User defined events, IO events, Scheduler events

Release Notes
Pro-Watch Software Suite
Release 7, Patch 8044

Issues resolved in this patch:

- Star 1 Panel: Resolved issue where shunted alarms appeared on reports. (TT-7590)
- Vista Keypad: Display is no longer scrambled after hourly time updates. (TT-7832)
- Remote Server: Fixed crashes occurring during heavy loads. (TT-7852)

- Badge: Transactions now appear in card history. (TT-7870)
- Event Procedures: Fixed problem related to a client site. (TT-8014)
- User: Fixed server/client permissions issue related to a root class user. (TT-8028)
- Dongle: Fixed issue related to reading a dongle. (TT-8040)
- Badge: Corrected expired card status code displayed in Badge Update tab. (TT-8114)
- DWFx: Improved display of Zoomed out high resolution DWFx files. (TT-8115)
- Badge: Data entered in a custom DTW badge creation function is now saved. (TT-8171)
- Verification Viewer: Double clicking on a card transaction no longer affects the event type description. (TT-8199)
- Verification Viewer: Double clicking on a card no longer affects badge photo. (TT-8200)
- Verification Viewer: Clicking on an event no longer affects the text color. (TT-8201)
- Vista Panel: Clock updates are now downloaded to the panel hourly. (TT-8202)
- Anti-passback: Resolved sporadic occurrences of anti-passback violations. (TT-8213)
- Miniplex panel: Card database is no longer being cleared after certain events. (TT-8246)
- Event Procedure: "Issue an Event" procedure can now be executed when assigned to a user defined routing group. (TT-8254)
- PW5000: Encryption master keys can now be downloaded to panels. (TT-8303)
- Vista & Galaxy Panels: Time and date updates to a panel now take into account the local time zone of channel. (TT-8345)

Release Notes

Pro-Watch Software Suite Release 7, Patch 8039

Patch 8039 resolves the following issues in Pro-Watch Software Suite, Release 3.73.0:

- Vista and Galaxy time and date updates do not account for local time zone of channel (TT-8345)
- PW5000 encryption - Master keys do not get downloaded to panels. (TT-8303)
- Event Procedure "Issue an Event" is not executed when assigned to a user-defined routing group. (TT-8254)
- DTW - Cards database in Miniplex panel was getting cleared after a channel restart. (TT-8246)
- Anti-passback violations - sporadic occasions when a panel will think a card is in an area that it is not and will deny access. (TT-8213)
- Pro-Watch is no longer sending hourly updates to the clock on aVista Panel with Firmware Ver. 3.1 (TT-8202)
- Verification Viewer: text color changes. (TT-8201)
- Verification Viewer: badge photo disappears when click on previous card. (TT-8200)
- Verification Viewer: event type description disappears. (TT-8199)
- While creating a 5k reader, using Entry-Exit hardware template, the primary and secondary reader are assigned the same address. (TT-8171)
- DWFx files of high resolution were not displayed well when Zoomed out. (TT-8115)
- Badge Batch modify shows 'E' as card status code for Expired instead of 'X'. (TT-8114)
- Dongle Read fails. (TT-8040)
- Changes to site-specific Event Procedures causes problem at client site. (TT-8014)
- Implmenet logging of failed ProWatch access attempts. (TT-7995)
- Top 100 Clause in the view CARD_TRANSCATION_HISTORY was causing no transactions to show up in Card Transaction tab. (TT-7870)
- Remote Server crashes on a stress test. (TT-7852)
- PW Software keys. (TT-7805)
- Star I Reports not working. (TT7590)

Release Notes
Pro-Watch Software Suite
Release 7, Hot-Fix 8032

Hot-fix 8032 resolves the following issues in Pro-Watch Software Suite, Release 3.73.0:

- New nc_net.dll addresses issue that prevented bringing more than two Miniplex panels online. (TT 8250)
- Cards database in a Miniplex panel is no longer cleared after a channel restart. (TT 8246)

Release Notes
Pro-Watch Software Suite
Release 7, Patch 8032

Patch 8032 resolves the following issues in Pro-Watch Software Suite, Release 3.73.0:

- The custom DTW “Calculate New Badge number” and “Calculate Card Expiration” functions now work properly. (TT 8171)
- Corrected issue that prevented Pro-Watch from properly reading the Sentinel Dongle with latest drivers. (TT 8170, 8040, 7654)

Note – Use of this patch requires the latest Sentinel Drivers to be installed.

Release Notes
Pro-Watch Software Suite
Release 7, Patch 8031

Patch 8031 resolves the following issues in Pro-Watch Software Suite, Release 3.73.0:

- When using Batch Modify on Cards the status is not set properly when “Expired” is selected. (TT 8114)
- Added settings to the Map Manager to modify the display of certain map types where necessary for added clarity. (TT 8115)

Release Notes
Pro-Watch Software Suite
Release 7, Patch 8025

Patch 8025 resolves the following issues in Pro-Watch Software Suite, Release 3.73.0:

- The database update script properly handles Building Mode Event Procedures (TT 8014)
- Pro-Watch now logs failed operator login attempts for Invalid Users, Expired Users, and Invalid Workstations where the user attempting access has access to the Pro-Watch Server and Database. (TT 7995)

Release Notes Pro-Watch Software Suite Release 7, Patch 8018

Patch 8018 resolves the following issues in Pro-Watch Software Suite, Release 3.73.0:

- The server name is now stored in the Event Log for the "Remote Comm Server Not Responding" alarm. (TT 7820)
- When a remote server goes offline/disconnects from the Primary Comm Server, the offline event gets reported. (TT 7818)
- Remote server no longer crashes when heavily loaded. (TT 7852)
- Fixed crash related to bringing Vista panels on line. (TT 7841)
- Optimized performance of reporting transactions in the Badging Transaction tab. (TT 7838)
- Selecting Seep panel properties no longer causes a crash. (TT 7836)
- Vista zones can be specified as timed points. (TT 7767)

Known Issue:

- When the Time Zone associated with an Elevator Output in a Clearance Code is modified the user is not prompted to download the revised Clearance Code. In order to complete this change it is necessary to download cards to the effected panels. (TT 7868)

Release Notes Pro-Watch Software Suite Release 7, Patch 8013

Patch 8013 adds the following new features to the Pro-Watch Software Suite, Release 3.73.0:

- Commend Intercom integration features:
 - Control both remote and master Commend Intercom stations from within the Pro-Watch.
 - Associate Commend Intercom with workstations and Logical Devices.
 - Secondary annunciation of intercom calls, events, and alarms in the alarm-monitoring window.
 - Events tab for configuring event originating from the station.
 - Events are reported for the stations that originate and receive a call.
 - Commend Intercom functions can be programmed to report to the alarm-monitoring module as events. (Administrator)
 - Define functions with a logical name and set their parameter values.
 - Define the Site, Channel, Description, Address and Master Station.
 - Store intercom calls, events, and alarms in system database so an audit trail can be retrieved.
 - CCTV support for Camera Call up and PTZ functions.

- Vindicator IDS Reporting features:
 - Database queries allow an operator to focus on specific data sets making selections and filtering to further refine queries. Configured queries may be saved for repeated use.
 - IDS queries: Events, Operator Logs, Filters & System Comm Events.
 - ACS queries: Activity, States, Events & Filters.
 - Reports from query results are formatted for page printing with preview and saving options.
 - IDS reports for Point Events, Operator Logs & Communication.
 - ACS reports for Access Control Events, Portal Activity & Card Holders.

Patch 8013 resolves the following issues in Pro-Watch Software Suite, Release 3.73.0:

- PW-5000/6000
 - Changed the PW-5000/6000 transaction processing sequence to prevent an issue that could result in Future Event dates being reported upon channel startup. (TT 7735)

- SEEP Panels
 - Star I Reports now work properly (TT 7590)

- Badging
 - Corrected problem that prevented Badge Layouts from displaying properly on upgrades. (TT 7718)
 - Corrected issue which could result in an application crash when searching for Badges (TT 7702)
 - Badge viewer now sets the original values to badge fields when users selects 'no' on a Badge Save operation. (TT 7740)

- Miscellaneous:
 - Resolved issue which could cause a server crash when using host name to IP conversion on a channel. (TT 7751)
 - An entry is added into the ADM log file for every DB connection failure error, regardless of ShutdownOnDBThreshold feature.(TT 7600)
 - Event Log no longer gives an error message when searching Recorders or CCTV Switchers (TT 7568)
 - List of downloads in the download list view is not dependent on the COM server name anymore.(TT 7479)
 - The memory consumed by the Pro-Watch Server when processing single card downloads has been significantly reduced. (TT 6718)
 - The Data Transfer Utility now supports Unicode characters. (TT 7704)
 - Issue that could cause event transactions to be missed by the Data Transfer Utility when processing Delimited Export has been fixed. (TT 7761)
 - Pro-Watch now adheres to the Dongle Expiration Date. (TT 7648)
 - Live Trace now works in Alarm Monitor (TT 7794)
 - CCTV commands are no longer blanked out after upgrade (TT 7781)

Known Issues:

- Vista channels and panel show online (green icon) in the Hardware tree with no hardware connected, until status message updates with the correct status of offline in approximately one minute. (TT 7759)

- When upgrading sites with RapidEye channels the RapidEye channel password will need to be re-entered after the upgrade.(TT 7655)

Release Notes Pro-Watch Software Suite Release 7, Patch 7941

Patch 7941 resolves the following issues:

Remote Communication Server Functionality

- Remote Comm Servers now properly cease polling panels after losing their connection to Master Server. (TT #7505 & 7511)
- Remote comm server status is now displayed properly after a disconnect from the Master server. (TT #7504 &7468)

Panel Issues

- SEEP channels no longer crash service on startup. (TT #7519)
- Creating a PW5000 panel without using the wizard now works properly. (TT #7522 & 7507)
- Corrected an issue which lead to frequent PW6000 panels going offline (TT #7563)
- Card download retries are no longer generated if the original download failed due to a Panel Syntax error. (TT #7441)

Miscellaneous

- Registry permissions for Non-admin users are now set properly for the Pro-Watch registry keys. (TT #7520)
- When attempting to add a camera to the Digital Video Recording screen, the system no longer locks up. (TT #7521)
- A memory leak in V5 interface has been closed. (TT #7566)
- Correct problem which caused Pro-Watch clients to disconnect from the Pro-Watch Server (TT #7562)
- A non-admin user using Shadow Login is now able to open Alarm monitor from Viewers bar (TT #7547)

- Timed points (dis-arm and arm reader) are now saved when default company is clicked (TT #7544)
- The Find tool, now properly handles searches on Particular MaxPro devices (TT #7540)
- PW-5000 Site transactions can now be changed from inactive to active alarm status.(TT #7534)
- In the badge summary report it is now possible to select more than 12 logical devices. (TT #7486)
- Corrected issue which allowed non-Pro-Watch users to provide CFR signatures. (TT #7575)
- Pro-Watch now supports more than 175 Badge Field columns. (TT #6591)
- Restore Alarm Monitor Copy functionality. (TT #7503)

Known Issues

- In testing this release it was noted that locking an area comprised of SEEP panels only works properly if done from the right click popup menu. Attempting the same from the Area Properties dialog fails to lock the selected area. (TT # 7597)
- Reports built on Star I panels are not functioning properly in this release. (TT #7590)

Release Notes Pro-Watch Software Suite Release 7, Patch 7885

Patch 7885 adds the following new features to the Pro-Watch Software Suite, Release 3.72.0

- Pro-Watch User status can now be set with the same status codes as badge holders. This allows Pro-Watch Administrators to disable user access to Pro-Watch programs without having to delete or mark expired Pro-Watch users. (TT #5471)
- The camera name is now displayed in the title bar for the following DVRs when viewing live and captured video (TT #6884 & 6732):
 - Honeywell Fusion DVR
 - Honeywell DVM
 - Integral
 - RapidEye
- Maps now can play live and captured video. (TT #6902)

- If a user sets "Unique" to true on a variable character type badge field with badges already made, when new badges are made if there are conflicts the offending badges will be identified. (TT #6945)
- PW-6000 Panels can now be added to Pro-Watch as such, rather than selecting PW-5000 as the panel type. (TT #7128)
- Pro-Watch now supports name resolution on TCP-IP Channels.
- Badge Layouts can now be saved to the database as blobs. (TT #6965)

Patch 7885 resolves the following issues in Pro-Watch Software Suite, Release 3.72.0

Auditing

- Badge deletes now reflect the proper information in the Audit Log. (TT #4593)
- All operator actions on Logical devices are now recorded into the Operator Log. (TT #5614)
- Changes to Pro-Watch time zones are now auditable. (TT #6410)
- Expired/Auto Expired Card status changes are now being recorded in the Audit Log. (TT #6432)

Badging

- Badge holders with names that contain apostrophes no longer cause database errors when deleted. (TT #6441)
- Removing the Functions "Clearance" and "Modify Clearance Code" from the Program "Badge Maintenance" in the user's properties or Class now also prevents the user from granting or revoking access to a badge holder's card under the cards Logical Device Tab.
- Setting a custom field to require unique values no longer generates errors when used with multiple badging stations. (TT #7108)
- Temporary files created during signature capture are now stored in the user's temporary file location, as dictated by environmental variables. (TT #7189)
- Logical devices are now removed from a card when the company assigned to the card is changed to one that does not have clearance codes assigned. (TT #7209)
- Setting an integer badge field to unique now works properly. (TT #7219)
- Cards assigned Temporary Access no longer give on last access after the temporary time period has expired. (TT #7397)
- Corrected issue which could cause Badge Signatures to appear blocky. (TT #7429)

- Card Download traffic has been reduced by eliminating unnecessary saves and downloads within the badging process. (TT #7466)

Video

- Vicon DVR Channels can now be set to the time zone appropriate to the Channel. (TT #7083)

PW-5000\Vista\SEEP Panels

- Resolved issue that prevented PW-5000 sub-panels from being added to panels correctly when more than 8 are selected at one time. (TT# 7132)
- Corrected issue in which selecting two time zones to be added to a PW-5000 panel could result in one of the time zones being added twice. (TT #7199)
- Corrected issue which could prevent the uploading of event log and zone descriptor information from Vista Panels using later firmware versions. (TT #7302)
- Alarms on SEEP Monitorable Inputs are no longer generated in Pro-Watch when set by a time zone within the panel not to report. (TT #7493)
- Spool files which result in syntax errors are no longer retried. Preventing situations which could cause the system to flood with retry attempts. (TT #7441 & #7027)

Remote Communication Server

- Logical Device status of Logical Devices on a Remote Communication server now display properly. (TT #7138)
- If a Remote Communication server fails the Remote Communication server and the panels polled by that server will now be shown as offline on the Master server with the appropriate Panel Offline alarms. (TT #7170, #7112)
- If a Pro-Watch client registry is set to an alias of the communication server, the channel download status list view now properly displays download information. (TT #7479)

Reports

- Corrected Company column header in Muster Report. (TT #7182)

MaxPRO VMS

- When using Pro-Watch with MaxPRO VMS users created in Pro-Watch are now properly migrated into MaxPRO VMS. (TT #7241)
- The database error seen when selecting the "Video Device Tab" when Pro-Watch is used with MaxPRO VMS has been corrected. (TT #7248)
- Pro-Watch now properly handles video in the verification viewer when used with MaxPRO VMS. (TT #7299)
- When using MaxPRO VMS with Pro-Watch Video from 30 seconds back now plays properly when selected from "Camera Video Loss" event. (TT #7427)
- Fixed problem that prevent partitions from displaying properly in MaxPRO VMS after synchronization with Pro Watch. (TT #7438)

Miscellaneous fixes

- When creating a new site a comma is no longer allowed in the site name to prevent database errors. (TT #6026)
- The Watchtower Panel Add Wizard is now correctly labeled Watchtower. (TT #6552)
- Resolved database error seen when adding a new Default Event in Database Configuration without selecting an Alarm Type. (TT #6568)
- Corrected issues with Timed Mask in Pro-Watch with MS SQL 2005. (TT #6807)
- The patch installer has been modified to disable the Database Update check box on client installations. (TT #6987)
- Action Notes can now contain up to 255 characters. (TT #7051)
- Logical device input point device type addresses can be no longer be re-assigned when masked. (TT #7156)
- Fixed Alarm Monitor crash which could occur if multiple Alarm Monitor clients are clearing un-restored alarms simultaneously. (TT #7162)
- When using the Legacy Audit Log restore function the restore count is now accurate. (TT #7215)
- Deleting a logical device with associated with Timed Points also removes those Timed Points. (TT #7395)
- Corrected problem which could cause database errors at sites with large numbers of custom badge fields. (TT #7428)
- The Pro-Watch version number is no longer part of the Pro-Watch Registry keys path. This will prevent version updates from changing the Pro-Watch Registry path. (TT #7448 and TT #7419)

- Deleting a device assigned to a pathway no longer leaves orphan record under the pathway. (TT #7456)
- The Area List on the mustering window now only lists Areas within a user's assigned partition. This list is now also alphabetically sorted. (TT #7478)
- The transaction history on site, logical device and card properties, formerly showed events that were not cleared in black font and cleared events in red font. This is now the other way around. (TT #7480)

Release Notes Pro-Watch Software Suite Release 7, Patch 7768

Patch 7768 resolves the following issues in Pro-Watch Software Suite, Release 3.71.0

Smart Plus Mobile Reader Support

- Pro-Watch now supports Mobile Readers via Smart Plus

Panel Mover Utility

- Pro-Watch now includes a Panel Mover Utility under the Administrative Folder.

Vindicator

- Vindicator V5 Panels upon the loss and restoral of power now come back online properly in Pro-Watch. (TT #7002)
- The Pro-Watch Badging Icon can now be set to open Vindicator Badge Manager rather than the Pro-Watch Badging Manager via a registry key change.

Fusion DVR

- Fusion playback on Alarm Events is now presented as one contiguous clip rather than a series of separate clips contiguous in time. (TT #6920)

Localization/Report Fixes

- Fixed Problem which Prevent Reports Utility from correctly displaying Deferred Access Report folder in Chinese. (TT #7100)

- Chinese characters can now be entered in the Custom Card Data report fields. (TT #7102)
- Modified Badge holder Summary Report to prevent the overlap of Chinese Characters. (TT #7103)
- Modified Event Log Report Selection Screen to better display Chinese Characters. (TT #7104)
- On the Deferred Access report Last Name no longer displays under the First Name column. (TT #7101)

Miscellaneous

- Alarms generated on Monitorable Inputs under Timed Mask now report properly when the Timed Mask expires on PW-2000 and SEEP Readers. (TT #7038)
- Fixed problem which prevented Remote Communication Servers from working correctly. (TT #7122)
- When changing the Company assigned to a card Pro-Watch will in addition to asking the user whether Pro-Watch should re-populate that card's Clearance codes, ask the user if existing Logical Devices assigned to the card should be removed, provided the Company selected has Clearance Codes assigned to it. (TT #4773)
- Corrected problem which generated an error when the time zone assigned to multiple Logical Devices within a Clearance Code are changed simultaneously. (TT #6893)
- When adding Logical Devices to Clearance Codes the first Logical Device in the list is not added automatically upon cancelling the selection. (TT #6913)
- The Verification Viewer now operates properly. (TT #7058)
- Added support for the rotation of Signature files within the Badge Designer. (TT #7110)

Features rolled forward from Previous Release 6 SP2 Build

- Logical devices in the card screen are now displayed obeying partition rules. (TT #6417)
- Clearance codes in the card screen are now displayed obeying partition rules. (TT #6475)
- The Verification Viewer can now display custom badge fields.
- Failed attempted card downloads are now get re-tried.
- Date fields added to the custom badging fields now explicitly store the time as 0:00:00.
- With the addition of appropriate badge fields Pro-Watch now supports Contact Lists within the Alarm Monitor. Contacts can be associated with Sites, Channels, PW-5000 Panels, Logical Devices and Points

- Extended Instructions can now be assigned at the Site, Channel and Logical Device level in addition to the Point level. This functionality is also supported on PW-5000 panels. To enable this functionality the “Display Extended Instruction Set” check box must be selected under Server Options.
- Alarm Pages can now be associated with Routing Groups to control the Alarm Events that will appear on a selected Alarm Page. It is now also possible to temporarily change the Routing Group associated with an Alarm Page by selecting the “Configure Routing Filter” option from the View Menu. Access to this feature is governed via Programs and Function permissions under Alarm Monitor and Alarm Pages.
- The Alarm Monitor now provides the ability to utilize a Wait State disposition on alarms. Wait States can be Timed or Indefinite. Access to this feature is governed via Programs and Function permissions under Alarm Monitor.
- Within the Alarm Monitor and Transaction Tabs it is now possible to view Event History by right clicking on an event and selecting “View Event History” from the context menu.
- Cleared Alarm Events can now be unacknowledged from the transaction tab of a card, site or logical device by right clicking on the event and selecting “Unacknowledged Event” from the context menu.
- A transaction History is now available on transactions associated with a Site.

Additional Notes

- ProWatch version numbers will change with every patch and service pack release. For example, this patch is now numbered 3.71.0. The service pack of the same patch will be numbered 3.71.1. Similarly, the next patch will be numbered 3.72.0 and the corresponding service pack will be numbered as 3.72.1.

Consequently, version number on this release has changed from 3.7 to 3.71. As a result of this change the configuration registry keys for this release are now located under

HKEY_LOCAL_MACHINE\SOFTWARE\NexWatch\ProWatch\3.71.0

rather than

HKEY_LOCAL_MACHINE\SOFTWARE\NexWatch\ProWatch\3.7.0

Any external applications referencing Pro-Watch registry keys will need to point to the new registry location. We are looking at implementing in the future a solution which will utilize XML for this configuration data thus eliminating the need to reference new registry keys.

Release Notes Pro-Watch Software Suite

Release 7, Patch 7714

Patch 7714 resolves the following issues in Pro-Watch Software Suite, Release 3.7

Vista Integration

- Unexpected Vista events no longer result in a Pro-Watch Server crash. (TT#6968)

Reports

- Reports scheduled to Print and Export now do so without error. (TT#7042, TT#6827)
- Changing to a different region no longer creates an error on Access Reports. (TT#7041)
- Operator Log and Database Audit Reports can now be scheduled to print successfully. (TT#7040)
- Under certain conditions the Deferred Access report could be listed twice. This has been addressed. (TT#7010)
- Corrected problem which led to an error message being displayed when using the Event Log report and selected the “Channel” field and a “Custom Badge data” field. (TT#6942)
- The wrong data is no longer displayed in the channel column when using a “Custom Badge data” field in the Event Log report. (TT#6941)
- The list box search by last name in the Event Log Report is now functional. (TT#6739)

Imprivata Interface

- The database has been optimized to support the integration to Imprivata’s Physical/Logical Access solution. (TT#7077)

Vindicator

- The badging icon can be removed via a registry change to support the use of the Vindicator Badge Manager. (TT#6950)

Panel Issues

- Added new setting – “Enable Forced Door Filter” to PW-5000 Reader Advanced Settings tab. This addresses erroneous forced door alarms on Magnetic Lock doors. (TT#6949)
- PW-2000 Monitorable Inputs can now be masked during a time zone. (TT#6905)
- Star II inputs no long generate alarms or events when in a time zone shunt period. The status monitor does still show the input state. (TT#6723)

Badging

- Issue Dates in Badging are now set to 1 second after midnight by default to give the ability to assign access in 1 day increments. (TT#6547)
- Corrected issue that prevented Flashbus video capture cards from initializing properly. (TT#6895)
- When editing Server Options for a specific customer (Amgen, Inc.) the Blob Type definition setting no longer reverts to default. (TT#6865)
- In an Enterprise automatic card expiration now occurs with respect to the time zone of the region in which the card resides. (TT#6216)

Honeywell Video Manager

- Removed error message generated by accessing the Video Device tab on a new logical device. (TT#6940)
- Recorded video now plays back properly from the Event Viewer. (TT#6970)
- 'Default Select Camera' and 'Default Auto Camera' under "Define Default Video Information" are renamed now to 'Default Select CCTV CameraView' and 'Default Auto CCTV CameraView' for backward compatibility. Either 'Default Select CCTV CameraView' or 'Default Select Camera' can be configured. The higher priority is given to 'Default Select CCTV Camera View. (TT#6973)
- Preference is now given to the camera mapped through 'Default Video information tab' when both this and Video tab are configured with cameras. (TT#6975)
- When selecting a video event in the Alarm Monitor the playback time is based on the settings in the video devices page. (TT#6979)
- Toggle to and from full screen mode on video from the Alarm Monitor and Event Viewer now functions properly. (TT#6989, TT#7015)
- Fixed problem with Preset calls. (TT#6993)
- Fixed problem that prevented a CCTV commands to Start recording and Enable Video Motion Detection from executing. (TT#6997, TT#6998)
- Video loss alarm is now generated when appropriate. (TT#7001)
- Newly created Pro-Watch Users are now properly propagated to the Honeywell Video Manager Server and vice versa. (TT#7013, TT#7020)
- The Upload Workstation function now works properly. (TT#7021)

- Under Database Configuration in the Default Events dialog, Monitor is now available as a resource type. (TT#7023)

Miscellaneous

- Corrected issue that prevented the display of Event Numbers higher than 1999. (TT#7048)
- Corrected problem that could cause Event Triggers created prior to Build 7696 to fail to function properly. (TT#7047)
- When using the alarm monitor the “Expire date” column no longer shows a date of 11/30/1999 on non-card events. (TT#6890)
- Fixed problem that created a database error when re-ordering columns in the Alarm Monitor by editing Alarm Pages in Database Configuration. (TT#6479)
- Release 5 Archive files can now be restored using the Legacy Restore application. (TT#6886)
- Required Microsoft file MSSTDFMT.dll has been included in the patch file.
- Audit Log now displays deleted Badge names. (TT#6365)

Release Notes Pro-Watch Software Suite Release 7, Patch 7696

Patch 7696 adds the following new features to the Pro-Watch Software Suite, Release 3.7

Honeywell Video Management System

- Pro-Watch is now integrated with the Honeywell Video Management System.

Microsoft Vista Business Edition

- Pro-Watch Professional Edition is now supported on Windows Vista Business Edition.
- Pro-Watch Corporate and Professional Edition Client Workstations are now supported on Windows Vista Business Edition.

Vindicator V5

- Pro-Watch can now receive, store and report on events from Vindicator V5 Access Control Systems and Intrusion Detection Systems.

Pro-Watch Enterprise on Microsoft SQL 2005

- Pro-Watch Enterprise now supports Microsoft SQL 2005

Event Viewer

- The Event Viewer now has a pause button. (TT#6296)

Additionally, this patch resolves the following known issues in Pro-Watch Software Suite, Release 3.7

PW-2000 Panels

- A problem with using Split Time Zones with more than 4 site codes has been resolved. (TT#6960)

Event Processing

- Modified Event Processing to increase the reliability of maintaining transaction data in the event of a problem with database connectivity. (TT#6919)
- Modified Event Log report to prevent table locks to the Event Log table. (TT#6900)

Reporting

- Searches on Custom Badging Fields in the Badge Holder Summary report now work as expected. (TT#6901)
- The Badge Holder Summary Report now correctly passes report parameters associated with Custom Badge Fields to Scheduled Reports. (TT#6045)
- The Badge Holder Summary Report now correctly handles filtering on Card Status. (TT#6889)
- The Operation Log report can now reference Archived Data. (TT#6899)
- When filtering on Logical Device the Event Log report now utilizes the Unique Identifier for the Logical Device rather than the name of the Logical device. (TT#6387)

Clearance Codes

- The speed at which clearance codes can be modified particularly when dealing with a high number of logical devices has been improved. (TT#6894)

DVM

- DVM Camera ID's over 100 are no longer truncated. (TT# 6871)
- Corrected issue with limited AXIS241Q Streamer to 4 Presets (TT#6430)

Miscellaneous

- Copying and Pasting data within Pro-Watch now functions as expected. (TT#5977, TT#4534 and TT#4404)

Release Notes Pro-Watch Software Suite Release 7, Patch 7650

Patch 7650 adds the following new features to the Pro-Watch Software Suite, Release 3.7

Live Trace

- The ability to trace transactions by card or reader

Historical Trace

- The ability to view past transactions by card or reader

Vicon DVR

- Support for the Vicon Kollector Elite 120 DVR is now available within Pro-Watch

User Configurable Legal Banner

- Pro-Watch now has the ability to optionally display user supplied text upon the start up of the client that requires the user's agreement to proceed.

User Class Dialog

- Added a field to allow a second line of description to be entered.

System Options

- Added a check box to System Options which when selected prevents non-numeric characters from being entered into the Card Number field.

Additionally, this patch resolves the following known issues in Pro-Watch Software Suite, Release 3.7

Elevator Control

- Elevator Clearance codes are now saved properly upon creation. (TT# 6307, 6845)

Badging

- Corrected issue which prevented cards from terminating correctly on build 7421. (TT#6389)
- Corrected issue which could cause cards to be denied access due to invalid time zones (TT#6826).
- Dates entered into user created date fields in Badging now explicitly set a time of 0:00:00 in order to provide uniform reporting.

SEEP Panels

- Corrected issue which resulted in orphaned forced door alarms in the Alarm Monitor (TT#6709)
- Corrected problem with downloading access codes to SEEP Panels under Microsoft SQL Server 2005.

Fusion DVR

- Improved Pro-Watch's capacity to handle multiple Fusion DVR devices at the same time.

Release Notes Pro-Watch Software Suite Release 7, Patch 7581

Patch 7581 adds support for Pro-Watch Lite to the Pro-Watch Software Suite, Release 3.7.

Release Notes Pro-Watch Software Suite Release 7, Patch 7580

Patch 7580 resolves the following known issues in Pro-Watch Software Suite, Release 3.7.

Vista Intrusion Panel Support

- Support for Vista Intrusion Panels is now available within Pro-Watch.

Microsoft SQL Server 2005 Support

- Support for Microsoft SQL 2005. Reference the Pro-Watch Microsoft SQL 2005 Database installation guide for more detail.

Topaz Signature Pad Support

- The Topaz signature pad is now integrated into Pro-Watch. Its drivers must be installed separately (sigplus.exe). Users should select SigLite LCD 4X3 (T-L750) for tablet type and HSB for tablet's connection type when running the install program. The device supports the printing and previewing of EMF badge signatures.

PW-5000/PW-6000 Panels

- Upgrading from earlier versions of R7 will no longer force card downloads to every panel. This was previously being caused by the changeover from 32bit to 64bit cards. Now, patches 7456-7499, which were already set to be 64-bit, will remain 64-bit on upgrade, and other versions of R7 will remain 32-bit on upgrade. A checkbox in server options will allow the user to change that, giving the user adequate warning as to the card downloads that are required if the option is changed. (TT #6766)
- Card downloads / Host Grants no longer result in panel syntax errors on a PW6000. (TT #6776)
- Host grant in progress (Event 613) now work properly for newly added PW-5000 readers.

Pro-Watch Badging

- "Bulk Add" and "Bulk Modify" now give user-friendly error messages if they attempt to violate unique field constraints.
- If the user attempts to add a badge to a badging database that has a unique field, and the default value for the unique field is the same as the value for a currently existing badge, Pro-Watch will not add the badge, and identify the offending field & badge.
- If the user attempts to modify an existing badge such that a unique field is modified to be identical to another existing badge, Pro-Watch will not save the changes that have been made, and will instead display a dialog box informing the user of this. This dialog box will be similar to the dialog box displayed in the comparable situation of a required field not being filled in.
- Users will now be able to scroll beyond their initial list of badge holders. (TT #6448, TT #6335)
- To ease terminal server usage, when printing a badge with an image or signature, Pro-Watch will now use a unique name for its temporary files.

SEEP Panels

- Pulsing SEEP hardware is no longer presented as an option. (TT #6050)
- Corrected an issue that resulted in PW believing a user has entered an area when he or she presents his card, but does not actually go through the door. Note - This only occurred in host mode on SEEP hardware. (TT #6702)

CCTV Issues

- CCTV Camera views can no longer be deleted if they are related to a CCTV command. Also CCTV channels can't be deleted if camera views exist on those channels. (TT #6607)
- The users that are currently registered as badgers are highlighted in the user configuration screen. (TT #6593)
- CCTV monitors can no longer be deleted if a CCTV command depends on it.

Miscellaneous Changes

- The user will now be able to show live video from a .wmf or .bmp map. The "Call Intercom" and "Show CCTV view" functions are also now available. (TT #6732)
- The minutes entered for timed override are no longer associated with a card number. (TT #6042)
- The mustering report now has a column for company.
- Adding multiple time zones to a panel now works correctly. (TT #6725, TT#5958)
- Copy and pasting a hardware template will now correctly copy Matrix and Watchtower fields, and those fields will get correctly inherited when a logical device is instantiated from that hardware template. (TT #6701, TT #6795)
- Inactive cards no longer negatively affect download speed. (TT #6708)
- The Logical devices added to a clearance code table CLEAR_L can now be audited.
- An event's OK button is no longer grayed out prior to visiting RTN page. (TT #6311)
- The description edit box under areas is now a size appropriate to the number characters that can be entered into it. (TT #2807)

Release Notes Pro-Watch Software Suite Release 7, Patch 7499

Patch 7499 resolves the following known issues in Pro-Watch Software Suite, Release 3.7.

SEEP Panels

- SEEP panel anti-passback settings are now immediately updated upon a change to area settings. (TT #6693)
- There is now a transaction tab on the SEEP panel, covering panel events only from which the user can now print. (TT #6680). It does not include events generated from sub-hardware.
- SEEP building modes can now be selected under event triggers.
- Added ability for anti-passback to respect whether a Door Position Switch was used or not on SEEP panels in Local Mode. (TT #6418)
- Manually locking a Star I reader now results in the correct status display. (TT #6590)
- SEEP panels now support multiple areas, but only via deferred mode.
- Added ability to mask held/forced door alarms on Star 1 and 4100 panels.

DVM

- DVM camera events no longer stop being displayed after a service restart. (TT #6665)
- The RTN description for the DVM events new to R7 Patch 7580 is no longer empty. (TT #6611)

Miscellaneous Changes

- Corrected problem which displayed database errors upon copying and pasting a hardware template. (TT #6695).
- The Audit Log display under administration no longer displays only NULLS. (TT #6429) Note - the EV_LOG and AUDIT_LOG screens under administration only display the last day's worth of data.
- Printing from the logical device and panel transaction tabs now works properly. A time-out value can be set in the registry.
- User and class partition functionality will display the class grant, grant, or revoke appropriately, and will not affect other user or class partitions.
- Improved download speed for company edits in which clearance codes are assigned or de-assigned.
- There is now a Modify Clearance Code Permission available under Badge Maintenance. This permission allows the ability to modify Clearance Codes to be granted while denying other Badge Maintenance privileges. To do so, grant this privilege and revoke Update Privileges under Badge

Maintenance. With this set, clearance codes are modified by right clicking on the card to be modified and selecting Properties, then the Clearance Code tab in the resulting dialog.

- A user with the Modify Clearance Code permission can edit a card by double clicking on the card.
- Company name has been added as a column in the mustering screen. (TT #6570)
- Modified Badge Detail report to handle more custom badge fields, subject to the table limit constraints in Microsoft SQL Server.
- Reports now respect partitions.

Release Notes Pro-Watch Software Suite Release 7, Patch 7481

Patch 7481 resolves the following known issues in Pro-Watch Software Suite, Release 3.7.

- The PW-5000 reconnect issue observed at certain sites was fixed. (TT #6675)

Release Notes Pro-Watch Software Suite Release 7, Patch 7480

Patch 7480 resolves the following known issues in Pro-Watch Software Suite, Release 7 and adds additional functionality as specified.

Fusion DVM

- Support for Pro-Watch events tied to Fusion clips. Clip playback is tied to event time.
- Pro-Watch now supports Fusion presets tied to Pro-Watch alarms.
- Added support for the following new events occurring on a DVM server:

Video Server Events

- Video Server Status OK – Event 118
- Video Server Status Failed – Event 119
- Video server Status Unknown – Event 120
- Video DB Server Status OK – Event 121
- Video DB Server Status Failed – Event 122
- Video DB Server Status Unknown – Event 123
- Video DB Server Failed Over – Event 124

Video Camera Events

- Camera Disabled (RTN) – Event 755

Camera Disconnected (RTN) – Event 756
Camera Status OK – Event 757
Camera Status Failed – Event 758
Camera Status Unknown - Event 759

- Fusion clips now no longer run together when not contiguous in time. (TT #6583)
- Fusion date search now finds all clips in range searched. (TT #6582 & TT #6578)
- Multiple identical clips no longer returned from a clip search. (TT #6580)
- Fusion clips now respect end time. (TT #6406)
- Removed sources of some observed Fusion application crashes. (TT #6576 & TT #6510)
- Memory leaks from Fusion reduced.
- The pre-event video should be displayed on a Fusion clip playback when appropriate. (TT #6613)

Data Transfer Utility

- A DTU issue introduced by changing the issue level size resulting in error messages appearing in the log file has been resolved. (TT #6573)

Miscellaneous Changes

- Single card downloads are now processed quicker and are less resource intensive.
- Fixed a bug which prevented access to reader 1 on Sub Panel 25 on a PW5000. (TT #6585)
- Fixed database errors occurring in Deferred Access.
- Deleting a clearance code in such a way to deny access will no longer result in an extra grant on the Star II. (TT #6603)
- Audit log archives now restore properly. Note: this works only for recent archive logs (from the last couple years.) Restoring Audit logs created on builds prior to Build 6796 (Patch 0331) will require manual manipulation of the database. (TT #6601)

Release Notes Pro-Watch Software Suite Release 7, Patch 7456

Patch 7456 resolves the following known issues in Pro-Watch Software Suite, Release 3.7.

Badging

- Existing profile fields will not become read-only on an upgrade.

- There is no longer a database error when editing a badge without a badge type. (TT #6424)
- Fixed problems related to capturing an image in badging using TWAIN cameras. (TT #6456)
- Resolved issue which caused a crash when printing an image after importing the image in badging. (TT #6469)
- Date fields and other data types now print and preview properly on cards.
- Editing a card belonging to a badge holder without a badge type no longer produces an error (TT #6334)

Reports

- Error messages no longer appear in the deferred access report and the area attendance report. (TT #6457, TT #6458)
- The option to sort results by channel in the Event Log report is now present. (TT #6463)
- Badge Holder Access to a Logical Device now has “Company” as a sorting option. (TT #5834)
- Logical Device Access by a Badge Holder now has “Company” as a sorting option.
- When exporting the BadgeDetail report, there is no longer an error as a result of hitting the back button.

Fusion DVM

- Selecting an item in the clip list while having CCTV view open no longer results in a crash as a result of changes to DVM. (TT #6474)
- Users can now play back recorded video on either supported version of DVM. (TT #6164)
- Fusion playback speed is no longer overly fast. (TT #6360)

Data Transfer Utility

- Corrected problem with handling delimited files by ensuring the correct DTU dlls are distributed. (TT #6516)
- Users will now have no problem in creating a DTU profile. (TT #6468)
- Fixed problem which prevented users from copying a DTU profile. (TT #6454)
- DTU imports can now be repeated without error. (TT #6502)
- The DTU now supports, but is not by default delivered with, the new Real-Time DTU component.

PW-5000 Panels

- A change to support PW5K firmware 2.090's handling of panel triggers was added. (TT #6487)
- The patch correctly updates nc_net.dll to version 18.
- The algorithm to determine the maximum card limit in the PW-5000 is now more accurate.
- Fixed entry delay issues on PW-5000. (TT #5962)
- Added code and configurable options to handle PW5K offlines.

Miscellaneous Changes

- Single card downloads now work regardless of the presence and/or absence of the Handkey Geometry blob.
- Daylight savings time is supported properly in the four main U.S. time zones, in light of the new congressional rules.
- The ability to add partitions to sites, channels, panels or logical devices has been restored. (TT #6326)
- Corrected issue which resulted in panel offlines on PW-2000s. (TT #4884)
- A problem with downloading card formats to the Star 2 was fixed. (TT #4723, TT #4817, TT #5586)
- Hardware classes now sort alphabetically under a site. (TT #3893)
- Stentofon intercoms now have a range of 1-9999, rather than 1-99.
- COM Ports can now number up to a maximum value of 199. (TT #6358)
- Added full support for MATRIX panels.
- Assigning or de-assigning a logical device to a clearance code is now more efficient. (TT #6384)
- Added the ability to map custom card status values to "Local Grant In Progress", "Local Grant Used", and Invalid Issue Level". (TT #6285)
- Clarified the message a user sees when the number of available badging licenses has been exceeded. (TT #6281)
- Reduced enterprise traffic by keeping last swiped card information from being replicated.
- If a user's panel is set to differentiate between presenting a card and actually moving through a door, the mustering screen will now update appropriately, whether it is local or host grant. (TT #6415)
- Improved Pro-Watch Badging's support of Canon cameras.

Release Notes
Pro-Watch Software Suite
Release 7, Patch 7424

Patch 7424 resolves the following known issues in Pro-Watch Software Suite, Release 3.7.

Honeywell DVM

- DVM now produces events and clips with cameras at ports up to 9999, rather than 99. (Ref. TT6407)

General Changes

- Number of ports listed in PW3000 panel configuration screen for panels created using the new wizard now lists 2, rather than 3.
- Release 7 will now operate under Demo mode.