RELEASEnotes

Perception & GEN Series firmware V6.14.10323

These release notes are:
Perception:
>from V6.12.10124 to V6.14.10323

GEN series firmware:
>from V6.12.10124 to V6.14.10323

Firmware release notes will no longer be available as separate release notes as the firmware and its update process is now an integral part of the software.

Supported/Tested Windows 32 bit versions:

- Windows XP Service Pack 3
- Windows Vista Business SP2
- Windows Vista Ultimate SP2
- Windows 7 Ultimate

Supported/Tested 64 bit versions:

- Windows XP Service Pack 2
- Windows Vista Business SP2
- Windows Vista Ultimate SP2
- Windows 7 Ultimate

Supported/Tested Genesis High Speed platforms:

- GEN7t
- GEN16t
- GEN5i
- GEN2i
- LIBERTY4
- LIBERTY8

All Perception versions require Dot Net Framework V4.0 which will be distributed with the install and is also available for download on the internet.

All Perception versions now also require a Microsoft Direct3D® capable graphics card.

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The following options are part of this version:

- 826-026300 Multiple Workbooks
- 826-026200 Multiple Exports formats
- 826-026900 Multiple Mainframes
- 826-026600 Analysis (Formula database)
- 826-026700 Reporting & Word Reporting
- 826-027300 SOAP & RPC Interface
- 826-027400 Video Playback
- 826-032500 CSI Runtime
- 826-032700 Advanced High Voltage/High Power analysis (STL)
- 826-033600 Customized Info sheets
- 826-034400 HP-HV Automated Analysis
- 826-034900 BE256 / MultiPro Control
- 826-026800 Basic FFT
- 826-036300 Enterprise Edition
- 826-035500 HVIA
- 826-033000 Sequencer

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The following features have been added:

Perception:

9362	Smart Units Request - mmHg
9752	GEN2i: Add meters for Live and Review (calculators)
9754	GEN2i: Add Lock function
9755	GEN2i: Add One touch upgrade function for both Perception as well as embedded software
9758	Add a function to REBOOT connected hardware
9863	Add dynamic image interface to report engine
9871	Perception now uses Direct3D
9872	Perception display performance when using multi monitor improved by using Direct3D. System requirements are checked when starting
9899	Perception uses .NET Framework 4.0
9908	Add filter functions to Perception Analysis option / Formula database
9920	Perception install installs English manuals
9957	BE3200 USB optical RS232 driver is automatically installed by Perception
9976	Perception has been verified to work with Office2010 and Office 2010 x64
10017	French, Chinese and Japanese manuals installs added to CD
9479	RPC - Feature Enhancement Requests

GEN Series firmware:

9760	Notify hardware failures to Perception
9987	New 1GB SODIMM are now supported in 1MS/s boards

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The following improvements have been made:

Perception:

4166   Release candidates & Beta version should warn customer this version STOPS working in xx days.

9676   Scrolling Display doesn't work very well on a single core, non hyper threading CPU

9723   Various UI not compliant with Windows guidelines

9757   GEN2i: Improve default print layout

9773   GEN2i : Hardcode a drive performance limit for the Samsung drives into the software

9789   GEN2i: In Review we should display the name of the recording being displayed / loaded

9897   Ambiguous message about network performance

GEN Series firmware:

8242   Re-synchronizing IRIG/GPS and Master/Slave while recording if signal is lost

9456   Slave should not show time on front panel

9845   FAN's that are not rotating are notified to the user

9846   Over temperature on any of the Gen Series boards is now notified to the user

9847   Batteries need a re-learn procedure to keep the capacity reading accurate (Service PMB update required)

9848   Unexpected sudden shutdown (Service PMB update required)

9949   Memory test should show activity on the terminal output

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The following errors have been fixed:

Perception:

4161	Scroll Speed Options Missing
8507	Scroll speed change misses one or two steps
8720	Fiber Status table header distorted with 120 DPI
8961	FFT display annotation font in report cannot be changed and / or is wrong
9594	X2 position of a Slope Marker added via a slope cursor cannot be set via a data source
9599	Looks like Perception does not always unload fully from PC when you exit.
9628	Scrolling display falls behind in time and has time axis errors when using 4 monitors
9666	Remove the hide Y-annotation option
9684	Perception crashes when resizing display
9692	Sweep count is enabled after changing sweep length in acquisition control
9727	GEN2i: Strange side effects when printing report without active trace
9730	Instrument Panel Save Settings does not work correctly, see also 9728
9733	Created new GROUPS but did not show up in pull down menu for CONTROL window
9734	Timer message in wrong language
9738	Perception can't open NRF files
9746	Perception GUI doesn't look correct when using 120DPI
9748	No Perception Free Viewer or Perception Offline shortcut with 64-bit install
9749	Scrolling Display problems at sample rates less then 100S/s using Gen Series mainframes
9774	Sequencer sheet does not load setting back correct
9783	Loading workbench with secondary workbook is not correct
9795	Offline configuration only has old LDS part numbers listed
9796	Liberty battery hot plug replacement causes Perception to show batteries in incorrect order
9809	Sheet manager gets confused and shows sheet duplicates
9813	Red cross in channel trigger settings when disconnecting mainframe
9821	Drawing problems display when adding 1 point to an existing user waveform data source
9822	GEN 2i - GUI strange reading of time
9858	Performance Test shows incorrect OS

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9869	Gen2i GUI zoom window does not appear / hide correctly
9877	Control panel fields not active after mode switch
9882	GEN2i: When selecting Apply in the scaling units, the selected Unit is added to the list
9883	Live display should not scroll or scope when the display is not visible
9885	Network license not released when exiting Perception
9886	Perception crash when running on Gen2i and switch to classic Perception UI
9893	Continuous data rate incorrect when using timer/counter, event channels or CAN channels
9894	Continuous data rate not updated when enabling/disabling timer/counter, event channels or CAN bus channels
9901	GEN2i reload factory settings do not load acquisition mode
9903	Display setup annotation and grid looks strange
9906	GEN2i: Crash after NOT entering a new recording number
9907	The data sources start and end times of a display are not correctly updated.
9927	Perception doesn't update properly when table is set to auto size
9929	The NRF Export function doesn't release the created files under Windows XP 32 bit environment
9934	Perception crashes when it receives hundreds of notifications rapidly
9937	Perception 64 runs with a dongle that does not have the Enterprise option activated
9945	Perception - Stat Stream data display rates START versus SINGLE SHOT
9948	Remove German translation from Perception installation
9952	No change in instrument meters when load an old recording
9953	No export options available
9968	Perception hangs at startup when trying to find storage location
9971	The delta values of the cursors in GEN2i are not the same on the GUI as in the generated report
9974	Data cannot be loaded when administrative information contains invalid characters
9977	Perception crashes when hardware settings contain invalid characters
9978	Red cross when selecting Keyboard Control on instrument Panel
9980	Slow start of recording when a lot of meters are used
9983	Drag drop trace in instrument panel duplicates channel
9985	Perception standard GUI meter blinks when drawing values.

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9988	Huge experiment file on Data Example DVD cannot be opened
9989	Empty trigger position causes crash in perception
9990	double signal on GEN 2i when overlay signals
9991	Display setup is not loaded when using load recording from file menu and selecting to load in a new display
9994	Some printers cause Perception to crash on startup
9996	Print settings list incorrect continuous rate when dual storage mode is used
9997	Multiple mainframes with at least 1 event channel board may result in crashes or data storage remaining active when acquisition stops
9998	GEN 2i meters should be ON by default and also should be ON after loading factory defaults
10002	Meter content not cleared when associated channel is switched off
10005	GEN2i: Load FACTORY DEFAULTS should also load defaults for display and go to PAUSE
10006	GEN2i: Scrolling display does not follow the actual data on the BNC real-time
10007	GEN2i missing scroll speeds and scroll speeds are very irregular
10010	Event & CAN traces sometimes not shown in live display
10012	Setting "External clock divider" not enabled/selectable.
10020	Crash when using X-Shift function with data source which has no sweeps
10021	GEN2i load user defaults behavior is wrong
10022	Long sweeps times give no visible feedback in display until sweep is finished.
10023	Formula using unary minus might not update when value or data changes
10024	Loading NSS file with invalid block allocation table can result in crash
10025	Some sheets are shown when startup behavior is set to Don't Load
10031	Recording not stoppable after START
10032	Perception crashes when switching from live to review or vice versa
10034	GEN2i Instrument panel: Active page is lost after loading factory defaults
10037	Live display draws incorrect when slope is falling
10039	RC3 cannot connect to a configurator mainframe but v6.12 can
10040	Layout problem dialog Edit Item Displays for defining report to word setup
10046	Loading workbench using RPC results in crash when Perception is recording
10052	Traces sometimes not drawn on printout when display in Review Sweep mode

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10055   On a report, the scaling of the X-axis of a Spectral Display is not correct

GEN Series firmware:

8510   Dead battery in Liberty leads to useless information displayed

9584   Low sample rate is clipped to binary maximum rate even when running in decimal time base

9797   When 1 battery doesn't charge anymore, no batteries charge anymore (Service PMB update Required)

9799   Added battery notification when only 10 minutes operation time is remaining

9800   Added orderly shutdown with data save and recording close at end of battery operation (Service PMB update required)

9802   Battery capacity reported wrong (Service PMB update required)

9803   Charging batteries could switch rapidly between 2 batteries (Service PMB update required)

9804   Unexpected crashes in PMB software (Service PMB update required)

9806   Liberty front panel alerts on 25% and 10% remaining battery capacity.

9824   Batteries sometimes need external charger to be re-activate after an extreme discharge cycle (Service PMB update required)

9864   Battery pendeling while charging due to temperature (Service PMB update required)

9925   Liberty adds memory test failure markers to recording

9928   Offline configuration recorders report incorrect embedded software version

9936   GEN Series acquisition time jumps 32 seconds (4 times 8 seconds) after power on

9950   Digital Event Board Timer/Counter does not take binary rate into account

9958   Add recorder serial number to driver logging

9969   Memory test can fail when system is set to Pause/Review mode

10001   Notification when running in pause that storage is prioritized above live data

10003   GEN5i does not monitor second multiplexed fan feedback

9764   New 2GB SODIM fails in 100MS/s boards

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