

# RELEASEnotes

## 1 Introduction:

These release notes contain:

- Update information
- What is new
- What is improved
- Supported Windows platforms
- Supported Genesis High Speed platforms
- Supported QuantumX modules
- Licensing information

**NOTE: Support for IM1 based systems will be discontinued in the near future. Perception 7.2x will be the last version to support this generation. Perception will notify you if this applies to your hardware.**

**Connecting to these systems will no longer be possible in versions beyond Perception 7.2x.**

## 2 Version 7.26

### 2.1 Update information:

These release notes describe changes between Perception (including GEN series firmware) versions

V7.20.18075 and V7.26.GeneratedByBuild

Highlights:

- BE3200 Sequencer software usability improvements
- Basic GN1202B support within eDrive
- eDrive efficiency mapping heat map generation
- FFT export user keys
- GEN DAQ API additions
- Recording file sharing for tethered systems
- Unified mainframe settings dialog

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## 2.2 What is new:

<b>eDrive</b>	Heatmaps can now be automatically generated in efficiency mapping. An optically isolated setup of eDrive is now possible by using GN1202B acquisition cards. Space vector calculations can now be added to the eDrive setup
<b>FFT export user key</b>	It is now possible to export FFT spectra using the FFT export user key.
<b>RT-FDB</b>	Real-time calculations on GN1202B and GN8101B acquisition cards are available up to 2MS/s
<b>GEN DAQ API</b>	Retrieval and modification of a subset of main frame, recorder and/or channel settings is now possible.
<b>Recording file sharing</b>	Mainframe local disk recordings can now be accessed and/or deleted via Windows file sharing. This feature is disabled by default and configurable from Perception.

## 2.3 What is improved:

<b>Sequencer</b>	Added the pulse start and length to the annotation area Improved usability of channel sorting Loading old TeamSeq SQN files also loads the channel sorting Added support for blank lines
<b>XY-Display</b>	Fixed gaps in signal
<b>Sweep processing</b>	Performance of sweep processing in automation is increased.
<b>MDF4 export</b>	Exporting of asynchronous (RTFDB) to the MDF4 file format is now supported.
<b>Configured mainframe</b>	Persistency of manually added mainframes and archive folders configurations is improved.
<b>AMO file reader</b>	
<b>Mainframe settings</b>	All mainframe settings dialogs in Perception are now unified into a single dialog.
<b>GEN DAQ API</b>	The GEN DAQ API function GHSSetRecordingBaseName has been deprecated. Instead the new API function GHSSetRecordingName shall be used. Besides setting the recording base name, this function also sets the initial recording index. This is in line with the way Perception allows to set the recording name.
<b>FFT Export User key action</b>	Problem FFT export via a userkey action when time display X-axis is not set to relative time has been solved.
<b>RAID Disk</b>	Uninitialized disks can now be formatted in a GEN7tA and GEN17tA
<b>Stop Recording</b>	Stopping a recording could sometimes cause a timeout when using RealTime formulas

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## 2.4 Supported/Tested on latest Windows versions

Including all updates until 13<sup>th</sup> February 2018:

- Windows 7 Ultimate SP1 (64 and 32 bit)
- Windows 8 Pro (64 and 32 bit)
- Windows 8.1 Pro (64 and 32 bit)
- Windows 10 Pro (64 bit only)

### Notes:

Perception is no longer supported on Windows XP.

Perception is not actively tested on Windows Vista.

Perception 32-bit version is no longer actively distributed.

Perception 32-bit version can be downloaded from the HBM website

### Installation requirements:

- Dot Net Framework V4.6  
(distributed with the install CD and available for download on the internet)
- Microsoft Direct3D® capable graphics card.

## 2.5 Supported/Tested Genesis High Speed platforms:

- GEN2i
- GEN2tB
- GEN3i
- GEN3t
- GEN5i
- GEN7i
- GEN7t
- GEN7tA
- GEN16t
- GEN17tA
- ISOBE5600
- BE3200

### Notes:

Setup and recording data with LIBERTY, BE256 and MultiPro is no longer supported by Perception.

## 2.6 Supported/Tested QuantumX Modules:

- MX1609KB
- MX1609TB
- MX471B
- MX809B

**Note:** Perception includes and only works with the following QuantumX software components

QuantumX firmware: V4.10.4.0

HBM QuantumX API: V4.3.1.171

HBM common API: V2.0.1.2

**Patents no:** 7,868,886

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## 2.7 Perception licenses:

Version	Description	
1-PERC-ST-01-2	Perception Standard	Free
1-PERC-AD-01-2	Perception Advanced	Paid
1-PERC-VA-01-2	Perception Viewer Enterprise	Paid
1-PERC-E64-01-2	Perception Enterprise	Paid

### 2.7.1 Perception supports the following application extensions:

Version	Description	
1-PERC-OP-EDR	eDrive application (setup, live and efficiency mapping table)	Paid
1-PERC-OP-STL	Advanced High Voltage/High Power analysis according STL standards	Paid
1-PERC-OP-HIA	High Voltage Impulse Analysis	Paid
1-PERC-OP-CSI-2	CSI Runtime extensions (Customized Software Interfaces)	Paid

### 2.7.2 Perception license upgrade notes

The Perception licensing model was updated since version 7.14 (dec-2017), this may impact your existing license. The table below shows which options are included in which version.

Option	Description	Perception Standard	Perception Advanced	Perception Viewer Enterprise	Perception Enterprise
	Single mainframe control	V	V		V
1-PERC-OP-MMF	Multiple Mainframes				V
	PNRF viewing	V	V	V	V
1-PERC-OP-IF	SOAP & RPC Interface	V	V	V	V
1-PERC-OP-SEQ	Sequencer (BE3200) setup and control	V	V	V	V
1-PERC-OP-AN	Analysis (Formula database)		V	V	V
1-PERC-OP-RP	Reporting & Word Reporting		V	V	V
1-PERC-OP-MEX	Multiple Exports formats		V	V	V
1-PERC-OP-VP	Video Playback		V	V	V
1-PERC-OP-MWB	Multiple Workbooks		V	V	V
1-PERC-OP-IS	Customized Info sheets		V	V	V
1-PERC-OP-BFFT	Basic FFT			V	V
1-PERC-OP-SDB	Sensor Management			V	V

#### License conversion:

Licenses are automatically updated to ensure existing options are kept:

Existing paid Viewer licenses are automatically upgraded to Viewer Enterprise.

Existing Perception Standard licenses with one or more options are upgraded to Perception Advanced.

Existing Perception Professional licenses with one or more options are upgraded to Perception Enterprise.

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