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TECHNOLOGY GROUP

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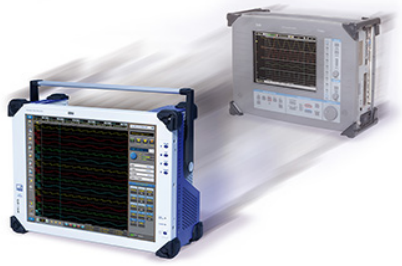
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Find the *HBM / LDS Nicolet Vision XP* at our website: ***Click HERE***

From VISION to GEN3i

The portable data recorder GEN3i has been designed in the best tradition of VISION from LDS Nicolet*. GEN3i combines the powerful features of VISION, enhanced by many technological and usability improvements.



See the complete comparison here:

General and PC portion

	VISION	GEN3i	Advantages
Configuration	Instrument only, closed PC (PC was hidden)	Instrument and PC based DAQ	Dual use interface; switchable between instrument and DAQ system
Positioning	High-end streaming data recorder	High-end streaming data recorder **and** transient recorder	Now also with transient recording
Size	420 x 320 x 150 mm	440 x 350 x 190 mm	
Weight	9 kg	10-12 kg	
Hard disk	36 - 144 GB Hard disk	480 GB Solid state disk	No moving parts, extremely robust
Screen	10", 800x600 or 640x480	17", 1280x1024	~ 4 times more information
OS	Win98 or WinXP	Windows 7 Ultimate 64 bit	Latest OS, future-proof
PC motherboard	NLX Industrial form factor	Standard motherboard	Easy to upgrade
User interface	Buttons & wheel, mouse & keyboard	Touch screen, mouse & keyboard	Even easier. VISION was already known for its easy user interface.
Connectivity	100 MBit Ethernet, USB 1.1	1 GBit Ethernet, USB 3.0/2.0, WLAN	Up-to-date connectivity

DAQ portion

	VISION	GEN3i	Advantages
Acquisition slots	None, fixed 8 or 16 channels	3 slots	Modular and expandable
Channel count	8 or 16	4 to 96, pending from input modules	Easy upgrade later
Sample rates	100 kS/s per channel	Up to 2 MS/s per channel (18ch); up to 100 MS/s transient to RAM	20 times faster plus RAM acquisitions
HDD Memory	36 – 72 – 144 GB	480 GB	More memory
Streaming rate	1.6 MS/s aggregate; but also 100 kS/s per channel limit	200 MB/s aggregate; can acquire less channels faster	60 x faster and can be bundled
RAM Memory	None	128 MB to 1800 MB per board	Enables transient recording
Modes	Continuous or triggered	Continuous or triggered; and also dual and slow-fast	More flexible usage
Power loss recovery	Yes	Yes	
On board software	Acquisition and playback	Acquisition and playback; full Perception & Windows	Two different GUIs tailored for the application, plus analysis and reporting
Input modules	+/- 500 V isolated amp; TC via dongles	Full range of amps incl. 1kV, TC via QX satellite (Q4/2013)	All amps are higher accuracy and performance
Accuracy	0.25% typical	0.1% typical	Higher accuracy
Filters	Very limited	Full selection of time or frequency domain optimized filters	Select the best filter for your application

* HBM Genesis HighSpeed products were previously sold under the Nicolet brand.
The Nicolet brand is owned by Thermo Fisher Scientific Inc. Corporation.

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

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