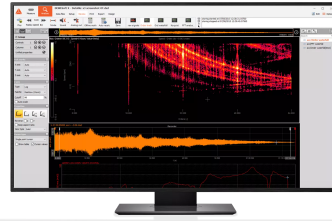


DEWESOFTX

AWARD-WINNING DATA ACQUISITION SYSTEM

DewesoftX is an **award-winning data acquisition software** for test & measurement and monitoring. Experience data recording, signal processing, and data visualization like never before.

DewesoftX DAQ software received multiple international awards, is innovative and easy-to-use, but at the same time very deep in functionality. Our mission is clear - one software for all test and measurement applications.



WHAT'S NEW IN THE VERSION 2021.3?

- **MODAL TESTING GEOMETRY:** Major improvements to modal testing geometry. Now supporting the easy creation of objects and more complex shapes. We have revolutionized the animation part by implementing advanced interpolation of non-measured points together with color animation for powerful, straightforward insight into the dynamics of the measured or evaluated structure.
- **CHANNEL MANAGEMENT AND TAGS:** Up to this point, you were able to edit the basic channel parameters. Now with the docked setup, you can access the full channel setup and adjust parameters directly on the channel grid screen. Channel tags have been introduced as a new way for you to group channels originating from any module within Dewesoft, making them easier to find and organize.
- **SIMPLE REPORTING:** The interface for creating simple reports in Dewesoft has received a major overhaul. Report displays are now a separate entity representing a piece of paper in the format of choice. Since the dimensions of report pages are fixed, all display widgets that get added will keep their aspect ratio when printing, generating a PDF file, or switching between monitors.
- **ORBIT ANALYSIS:** Precise rotor movement measurements and advanced analysis tailored for turbomachinery applications. Dewesoft Orbit Analysis is a complete solution that will help you improve operating efficiency, lower wear, and prevent any potential critical failures of your machine.
- **IMPROVED VISUALISATION:** The widget settings tab has been redesigned and features new display options, which improve the readability of data and make displays even more configurable to satisfy every user's needs. We have also rewritten some of the display widgets to be drawn on GPU for faster performance using the latest DirectX technologies.
- **FFT ANALYZER UPDATE:** The FFT analysis module, one of Dewesoft's core dynamic analysis tools, has been greatly improved, making it the most powerful to date. Among the highlights of the new features, you will find the auto spectrum and cross-spectrum calculations with standardized amplitude functions: Linear, Power, PSD, ESD, and ASD.
- **NEW 3D GRAPH WITH PROCESSING MARKERS:** Have you ever wanted to view the full frequency history of a long measurement and understand how that data correlates to time-domain data? The brand new 3D Graph can now display the whole time history of vector channels while having its view perfectly synchronized with the recorder.
- **HISTORIAN DATABASE:** Historian is Dewesoft's time-series database solution for monitoring applications and long-term testing applications. It allows you to monitor raw data (vibration, temperature, inclination, strain, pressure...) as well as data derived from Dewesoft's math modules (statistics, filters, FFT, etc.) with a self-hosted or a fully cloud-managed service.
- **MODAL TEST MIMO SUPPORT:** The Modal test module has been greatly improved. MIMO support has been added for evaluating the dynamic behavior of structures. This means you are now able to use multiple modal hammers or vibration shakers.
- **SYNCHRONISED DATA ACQUISITION AND VISUALISATION:** DewesoftX can acquire, analyze, and visualize data from several data interfaces like analog, digital, counters, CAN/CAN FD bus, XCP, CCP, FlexRay, EtherCAT, Ethernet, and many others.



Award-Winning Data Acquisition Software

More than 20 years in development, Dewesoft X data acquisition software received multiple international awards including the **best software innovation of the year award** from **Automotive Testing International** magazine.

We are proud and ready to keep our software the best in class and most innovative test and measurement software. Or as our customers say:

“
Again, thanks for all of the new features that are being included in Dewesoft X. It is already a fantastic product and deserves to become the "Microsoft Word" of data acquisition software.
”

One Software For All Testing Applications

Our core philosophy is **one software for all testing applications!** Dewesoft X is the result of this philosophy.

We have been implementing countless features for **Vehicle Testing, NVH, Power Analysis, Vibration Analysis, Acoustics, Aerospace, Monitoring, Structural Dynamics,** and **Monitoring** applications, as well as features for general data recording.

The software offers advanced **data recording, data analysis, data visualisation,** and **reporting** features, and everything in between in a single easy to use software suite.

This approach introduces many improvements to your daily **test and measurement** work. Learn less, do more, and most importantly, do it faster. Option to expand to new applications without investing in new hardware will save you time and money.

Measure Any Data Source Synchronized

Dewesoft X software is unique in terms of **supported data interfaces**. No other data acquisition software can match a number of supported interfaces that can be **acquired fully synchronized**, stored, and visualized in the same data file.

Supported data interfaces include:

- **Analog data:** voltage, current, IEPE, charge, strain, thermocouples, potentiometer, LVDT, resistance, and more.
- **Digital data:** digital counters and encoders of any kind.
- **Video:** low-cost Direct X compatible cameras. GoPro cameras. High-speed video hardware synchronised to analog data. Ultra-high-speed cameras from Photron. Thermal IR imaging from Optris.
- **Navigational:** GPS and GNSS receivers. Inertial Measurement Units (IMU and INS). Gyro platforms.
- **Vehicle bus systems:** CAN bus, CAN FD, LinBus, FlexRay, XCP/CCP, Kistler Wheels, ADMA, etc.
- **Aerospace interfaces:** PCM telemetry, ARINC 429, MIL-STD-1553, IRIG 108 Chapter 10, iNet.
- **Industrial bus systems:** OPC UA, Ethernet, Modbus, Siemens S7.

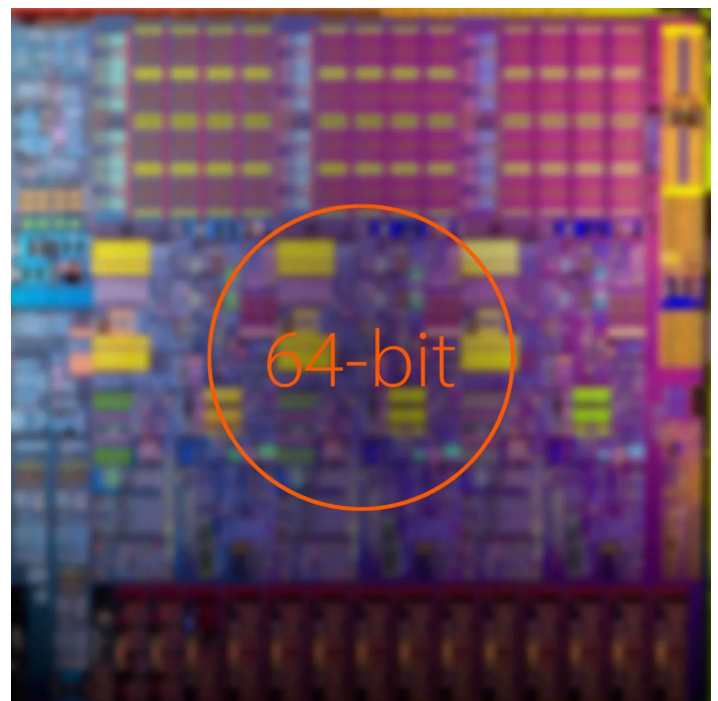


Blazing Fast Performance

Dewesoft X has been completely rewritten to support **64-bit CPU architecture**. The result of this effort is that Dewesoft X is now able to use an **unlimited number of input channels** and is able to address all the available memory of the computer.

Dewesoft X also takes advantage of all the modern CPU and GPU technologies like **multi- and hyper-threading** to make complex mathematical calculations and rich visualizations smooth as a silk. We offload complex computations to NVIDIA GPUs using the **CUDA parallel computing platform** which allows us to calculate complex computation at **15 MS/s in real-time**.

The result is blazing fast performance and ultra-responsive. The result is blazing fast performance and ultra responsive user interface that will make words slow and lagging things of the past.



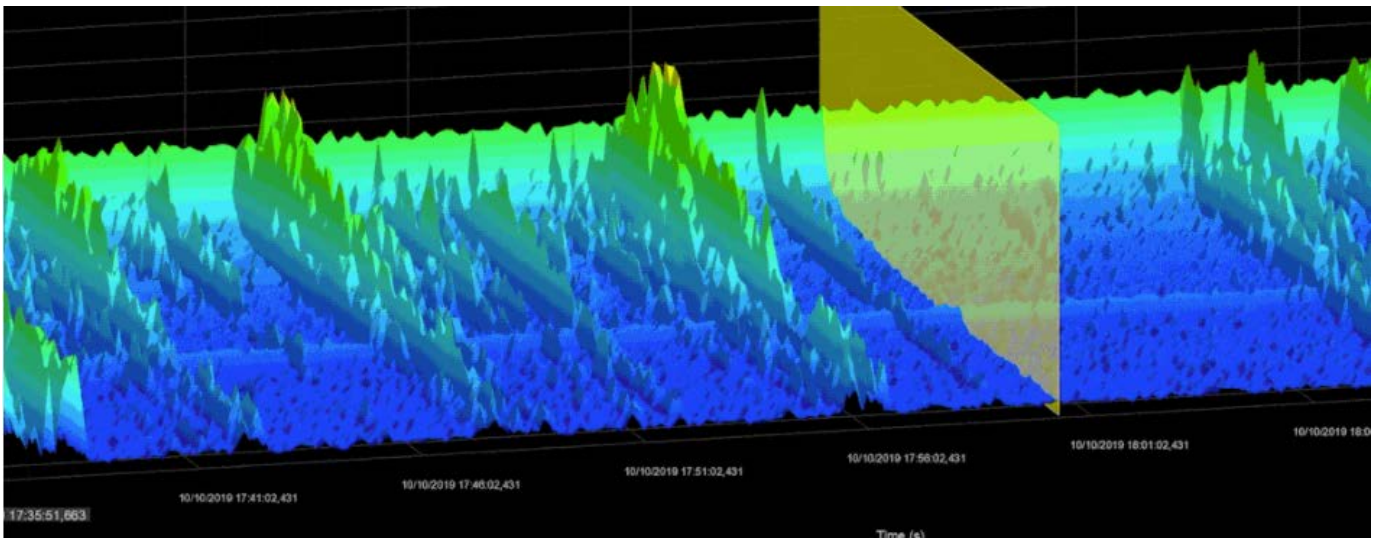
User Experience Like No Other

Dewesoft X is one of the most user-friendly data acquisition software on the market. With the **award-winning user interface** and friendly approach it saves time for test engineers and is a joy to use.

The new Dewesoft X 2020 release brings **unified UI elements** throughout the software. We have flattened design elements to make it even more pleasant to the eyes.

The new DS-GRID tabular element is now used in all setup modules. Tools like the **auto alignment** of display widgets. Shortcuts for **copy-paste of visual displays**, undo and redo functions speed up the configuration process of designing your visuals.

With the new release, you also get "**check for updates**" functionality where Dewesoft X will check for the updates on our servers and allow you to upgrade within the software.



Beautiful Data Visualization

Dewesoft X includes many visual displays for visualizing your data. From interactive horizontal or vertical recorders, XY graph, 3D graph, Orbit, Scope, FFT, table, rainflow, Open Street Maps, to just name the few.

All visual displays are pre-built and can be customized with real-time visual feedback during the measurement. Simply drag-and-drop desired visual component to your screen, select data source and customize it to your preference. But don't worry! If you are not happy with the displays and appearance you can always change them offline, without altering your measurement data.

Unlimited screens/views can be defined and switched between during the measurement or in post-analysis. Visit Dewesoft X visuals page for a closer look at visuals.

No Hidden Licensing Costs or Fees

We offer a very flexible software licensing model with no hidden costs, yearly renewable contracts, or software upgrade fees. When you buy our data acquisition system the Dewesoft X software is always included. The license is stored on the DAQ device. This gives you the flexibility to connect the device to any computer and Dewesoft X will automatically read the license from the connected device.

The license is required only when acquiring and storing data using the DAQ device. Dewesoft X is completely free in analyze mode. This means that once your data is stored you can share, open, and analyze it with as many people and computers as you need. No additional license is needed. Simply download Dewesoft X and open the data file.

The same license applies to the remote view clients in distributed measurement applications. You can have unlimited view clients for monitoring the data without any additional software licenses.

Built-in Extensive Help Manual and Online PRO Training

Got lost? Don't worry, we have you covered. Dewesoft X software includes advanced built-in help functionality that you can access anywhere within the software by pressing the F1 button. No matter where you are in the software, the press of the F1 button will always bring up the manual for your current position in the software, so you don't need to search.

The same Dewesoft X manual is also available online.

Next to the manual we also offer FREE online PRO training courses. These training courses are carefully crafted and cover courses for:

- **Connect:** Learn how to get started with Dewesoft DAQ hardware and basics on how to use Dewesoft X software.
- **Measure:** Learn how to measure different signals like the voltage, current, vibration, strain, temperature, etc.
- **Analyse:** Learn how to analyze measures signals. Power analysis, FFT, modal analysis, and many others.
- **Develop:** Learn how to extend Dewesoft X software by using our available developer tools.

Forget About Programming ...

Our core value is to strive for simplicity, usability, and ease of use. Everything in Dewesoft X is visual with a simple drag and drop user interface. All changes are visible in real-time. There is no programming required to acquire, visualize, analyze, and store the data from our DAQ systems.

Working with our hardware DAQ devices is easier than riding a bike. Everything is tightly integrated and works seamlessly out of the box. Plug and play hardware, sensor autodetection, automatic channel setup are just a few of many features that make Dewesoft X the most popular data acquisition software on the market.



Lifetime Free Upgrades

Flexible software licensing is not all you gain by investing in the Dewesoft solution. Our software is evolving all the time for the last 20 years.

New features are being added and new measurement and testing applications are being supported. We are always thriving for better performance which is being improved with every new release. We are always adding support for new devices, standards, and protocols.

We are releasing a new version every 3 months and all versions are always available for our users for FREE. Dewesoft X upgrades are free forever.

You can upgrade directly from within the Dewesoft X software or download the installer from our Download centre.

Quality Assured With Agile and Continuous Integration Development

We put a lot of effort into searching for a scalable development process that would keep the quality of software at the highest possible level. We looked at Microsoft, Apple, Google. The process is called agile development.

Agile development is a set of values and principles. It increases flexibility and delivery. Software testing is crucial for continuous development. Each line of code is automatically tested with thousands of test cases that are running all the time. For this, we have invented the infrastructure that is called the darkroom.

When a developer changes something in the source code, the darkroom takes over and automatically compiles the new code. It runs the test cases and gives back the results to developers in a few minutes. A complete suite of tests takes a few hours.



WWW.HOSKIN.CA

- ENVIRONMENTAL
- INSTRUMENTATION
- MATERIALS TESTING
- INTEGRATED SYSTEMS
- RENTALS
- SERVICE

Vancouver | Oakville | Montréal | Edmonton