Part Number: HSWN5000

Included with Professional and Enterprise Editions!

Hypersignal® HAppI

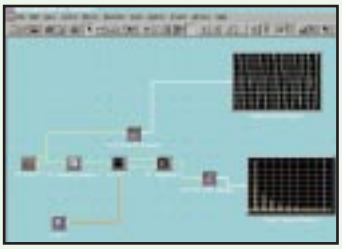
Create Stand-alone Applications for Windows 95/98/NT Visually!

What is HAppI?

The Hyperception Application Interface (HAppI) was designed to allow Windows 95/98/NT Applications to be built quickly from your visual designs. These applications may make use of either real-time DSP/Acquisition boards or be completely based on the PC; in either case the application was designed visually using one of the Hypersignal graphical design environments.

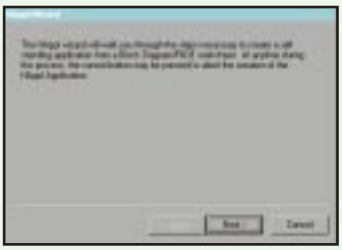
How do I use it?

Step 1



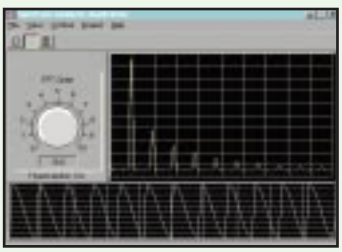
First, use a Hypersignal graphical design environment to build your system

Step 2



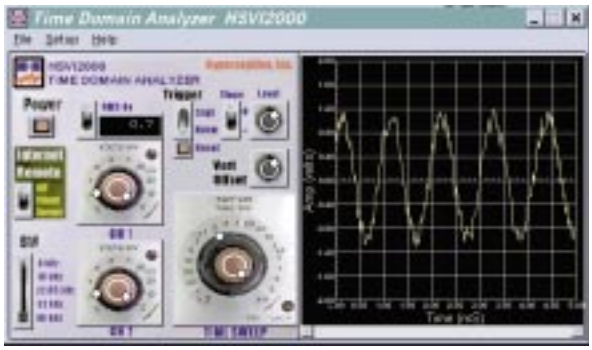
Next, use the HAppI Wizard to create the new application easily from your visual design

Step 3



Now test and use the new stand-alone application you have just created!

Hyperception's HAppI product allows real-time DSP applications to be created from visual designs; the result is a self-standing, real-time DSP application, which may be used or shipped to an end user. The product is able to leverage many off-the-shelf DSP/Acquisition boards such that overall development time for a given product or application can be extremely small. In addition, the technical expertise required for the development side is also minimized.



Example Digital Oscilloscope Application

Overview

Are you faced with the difficult task of finding a development system which allows stand-alone DSP and data acquisition applications to be built quickly and conveniently? If you are, don't worry, get HAppI - the Hyperception Application Interface, that is. HAppI has been designed to provide a low-cost solution for many OEM applications, and you may find that it is the perfect solution for yours.

Alarm example for process control and real-time monitoring applications

HAppI is designed to allow visual simulations/real-time projects to be executed as stand-alone applications under the Microsoft Windows environment. This effectively allows for a run-time only version of the end users project. Within the user's visual design, user controls representing inputs and outputs are used to accomplish specific user I/O; objects such as knobs, sliders, keypads, meters, and displays are typical user controls. After designing the project visually, the worksheet is saved as a file, which is then used by the HAppI Wizard to create a stand-alone independent windows application. This is useful for creating stand-alone virtual instruments (simulated or real-time), sharing simulation/test results, creating easy-to-use real-time DSP systems for other non-technical personnel.

Since the initial design is based on an open software architecture, and utilizes a device independent DSP Board Driver under Windows, users may create a virtually limitless number of applications; DSP-based products which might benefit from this design aid include such items as speech pitch trackers, Arbitrary Function Generators, Modem test sets, Spectrum Analyzers and other virtual instruments, multi-media applications, and many other types of DSP-based products. HAppI effectively eliminates certain technical barriers in the design of many DSP projects, because of its use of a component-based visual environment as its starting point. The savings in design/development time resulting from the use of HAppI allows many projects to be completed in drastically reduced schedules.

Example Function Generator Application

Hyperception

The Leader in DSP