

Software Description

Operation window:

A simple and practical platform for project design and editing

- Completing all functions from editing components library and simulation compilation, to download;
- Browse various project information and make better adjustment in time.

Menu bar:

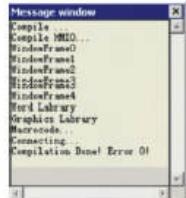
True color icon, visual and convenient navigation

- Familiar icon style for most users, easy to use;
- Simple and visual function.

Compilation information window

Display compilation progress

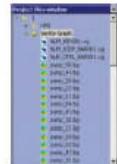
After compilation display, the user can download files.



Project file window

Facilitate in modifying components library

- Click an image library file, and the user can browse and edit the file;
- Visual understanding of the HMI quantity used.



All windows can be dragged freely, and a user can create individualized operation interfaces according to his/her own habits.

Components library window

Five components libraries, meeting design requirements



Communication connection



Touch screen



PLC



PLC components



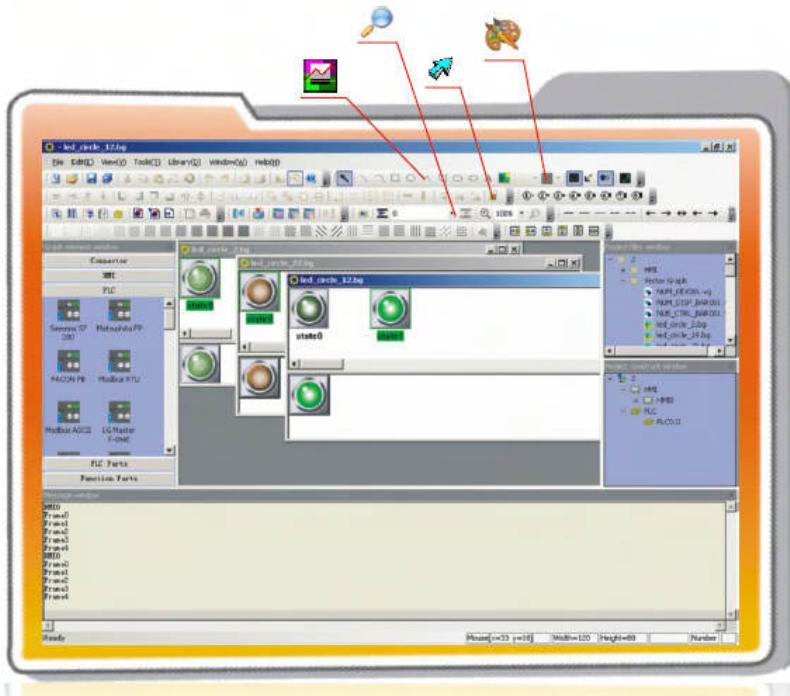
Functional components

Project structure window

Master the conditions of the entire project

Master the HMI, HMI components and PLC type used for the entire project.





Powerful vector graphic function, supporting drawing of arcs, sectors, scales and pointers at any angle

Eight line width options

Three-level zoom-in/zoom-out display

Supporting drawing of various vector-based image

User-defined color filling in multiple modes

Password protection

Three different authority levels, authorized operators can execute necessary setting and operations according to their authority level. The security performance of the system is greatly enhanced.

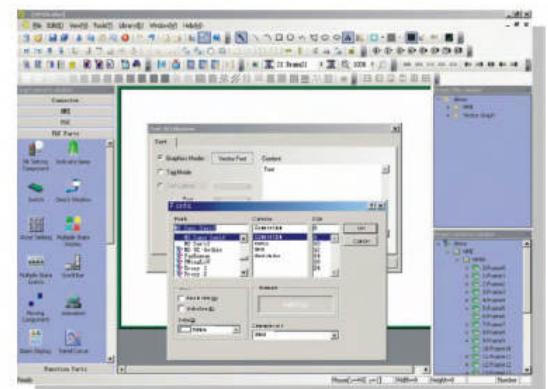
Multi-language application environment

Any language supported by Windows can be displayed on the panel. The user can use up to 4 languages within a project, which makes it possible for global users to share their wisdom with their clients worldwide.



Bitmap image

Vector graph



Completely support contrast and brightness adjustment

The contrast and brightness of the LCD can be adjusted online through setting special register without the need to adjust them by means of jumper switch or potentiometer.

Rich components library resources

Facilitate in making beautiful configuration interfaces

The original components libraries of the EV5000 can meet design requirements in most cases. If a customer has special requirement, he can build own graph library with the drawing tools of EV5000 software. EV5000 has a huge number of 3D effect components which facilitate in making mobile 3D graphics and animation.

Digital photos/Corporate logo import

The EV5000 supports the import of multiple Windows image formats, such as JPEG, GIF and BMP. The user can import their own logo or other images as initial screen.

Supporting all fonts of the Windows platform

In graphic mode, static text can be displayed in any fonts supported by the windows system on the configuration interface. The user has more choice for fonts now.

Recipe editing function

Providing 256K Words recipe memory, without any loss upon power failure, facilitating the setting and modification of initial values of the equipment, capable of providing multiple different recipes for the controller.

Perfect event log function

It can store records of events occurred during production, without any loss upon power failure, facilitating invocation anytime; if necessary, this function can be used to learn the operational history of the equipment and improve the design of the process flow.



Learn compiling macro commands in ten minutes

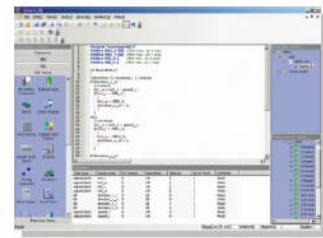
Macro codes compatible with standard C language can be triggered in multiple methods, featuring powerful function and flexible use.

In the past

Most HMIs in the market use respectively defined script languages, lack of versatility, which are hard to learn since there is no sufficient reference resources, and furthermore they cannot be implanted into other HMI panels.

Present

The EV5000 provides unique macro instruction compilation fully compatible with the standard C language. If you are familiar with the C language, you can learn how to code macro instructions in ten minutes. The rich reference documents, powerful function, and easy portability greatly enhance the macro command function of the EV5000.



Powerful online networking and synchronous communication function and rapid processing speed have simplified the complicated process flow design.

Powerful timer function

The timer of MT5000 can implement the timing of a minimum of 100 ms, featuring accurate timing; Configured with multiple functions such as timed data transfer, value settings, accumulation, decrease, and timed macro instruction; Multiple trigger modes such as register trigger and initialization trigger, to facilitate users in implementing flexible configuration programming.

Customizable startup LOGO window

Different from other HMIs which do not have any screen display upon startup, the MT5000 can immediately display a user-defined LOGO upon power-on until the configuration window finishes startup, lasting about five seconds. The user can freely edit and modify the startup window.