Automation for a Changing World

Delta Human Machine Interface
DOP Series

www.deltaww.com

Smarter. Greener. Together.

Product Line-up

DOP-B series

The DOP-B series provides various types and different sizes of touch panel HMIs with multiple dimensions and colors, and also offers fast and convenient control functions to meet the diverse application requirements demanded of industrial automation machines.

<table>
<tr><th colspan="6">DOP-B</th></tr>
<tr><td>4.3 inches Wide</td><td> </td><td>B03S211
B03E211</td><td>7 inches</td><td> </td><td>B07S515
B07E515
B07PS515</td></tr>
<tr><td>5.6 inches</td><td> </td><td>B05S111</td><td>8 inches</td><td> </td><td>B08S515
B08E515</td></tr>
<tr><td rowspan="3">7 inches Wide</td><td> </td><td>B07S401K</td><td>10.1 inches</td><td> </td><td>B10S411
B10S615
B10E615</td></tr>
<tr><td> </td><td>B07S411K</td><td>10.4 inches</td><td> </td><td>B10S511
B10VS511
B10PE515</td></tr>
<tr><td colspan="4"> </td><td>B07S410
B07S411
B07E411
B07S415
B07E415
B07PS415</td></tr>
</table>

DOP-H Series

The DOP-H series provides handheld type HMIs and customized teaching pendants for controlling and programming the motion of robot arms and other motion control systems.

DOP-H			
7 inches Wide		H07S425 H07S42A H07S465 H07S46A	H07E425 H07E42A H07E465 H07E46A

DOP-W Series

The DOP-W series offers large-size HMIs that come with high resolution and high brightness touch screens, and should be your first choice to meet customer needs for a wide range of high-end industrial automation applications.

DOP-W		
10.4 inches		W105B
12 inches		W127B
15 inches		W157B

High Quality Display

65,536-color high quality TFT display offers more realistic and vivid images to capture and visualize system and manufacturing processes more quickly.

Audio Output Interface

In case of errors, an alarm alerts users via an audio message in real time.

Supports built-in amplified speaker using 3.5 mm stereo mini jack

- As the broadcast of alarms is triggered by the corresponding bit, the alarm messages can be played and output in different sound files by setting values of word registers.

D100	Sound Files	Audio Messages
1	A.wav	Overcurrent
2	B.wav	Overvoltage
3	C.wav	Overload

Supports Various Peripherals via USB Hub

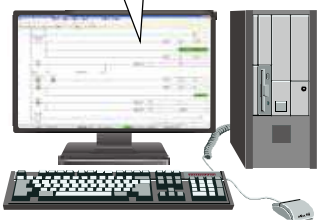
Slave (USB-type B)

Compatible with Windows Vista / Windows 7

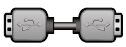
Screen data can be transferred rapidly via USB connection.

Up to 480Mbps high-speed data transfer via USB v2.0

PLC Programming Software: WPLSoft



USB



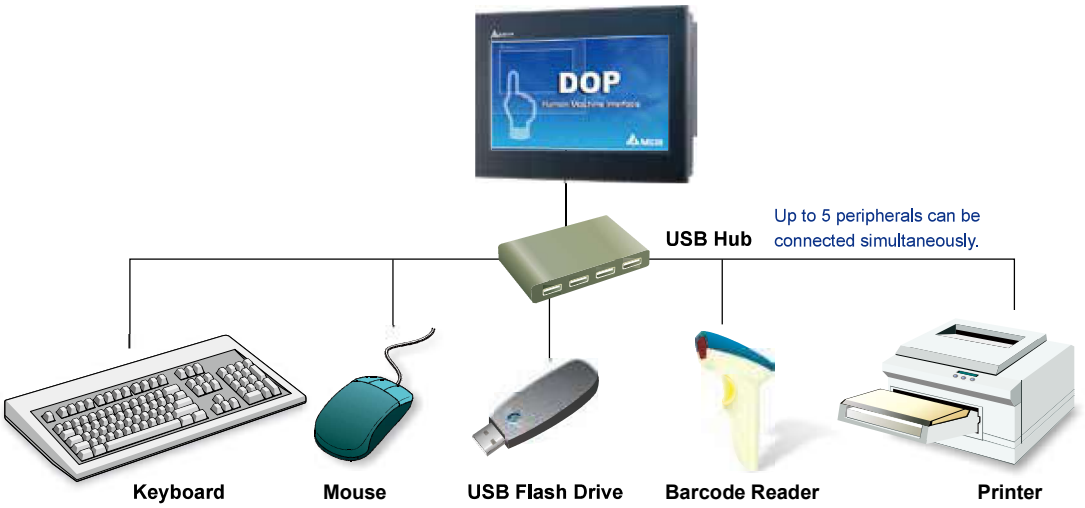
RS-223

*Supports Delta DVP series PLC only.

Using the bypass function, enable monitoring functions and modify PLC programs directly via the USB connection.

Master (USB-type A)

Various peripherals can be connected via a USB Hub.



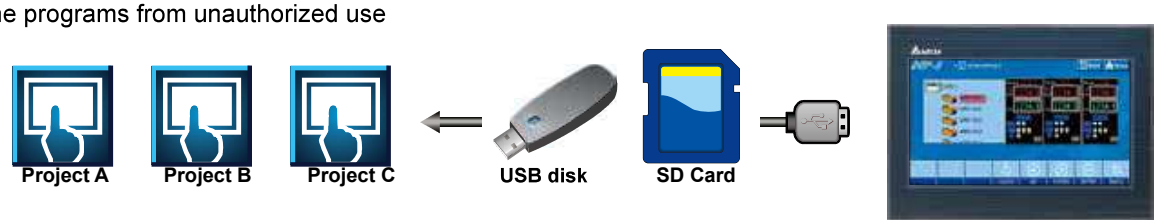
SD Card / USB Disk Versatile Storage Interface

- Exploiting the convenience of an SD card or USB disk, screen data transfer and collection can be quickly performed and the storage capacities of the HMI can be easily increased. No need to worry about data capacity of excessive history and recipe data
- SD card and USB disk are in FAT32 format, fully compatible with Microsoft Windows and allow filenames that exceed eight characters in length

The recipe data can be saved in CSV format and easily edited on an external PC in Excel to effectively save PLC memory.

History and alarm information can also be saved in CSV format and stored to the SD card / USB disk.

- Multiple project screen data can be saved in SD card / USB disk simultaneously and transferred to HMI. No need to connect to a PC
- The data saved in an SD card / USB disk can be encrypted and the number of copies can be limited to protect the programs from unauthorized use

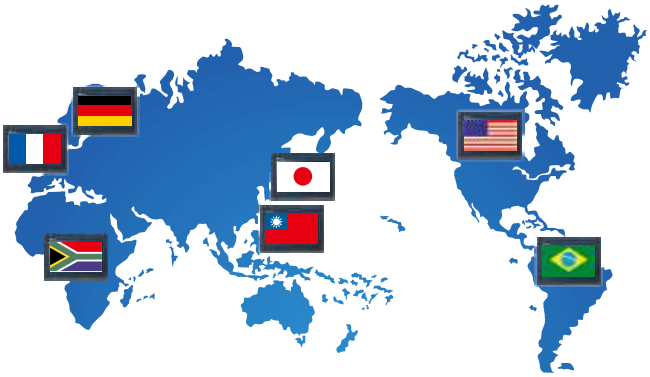


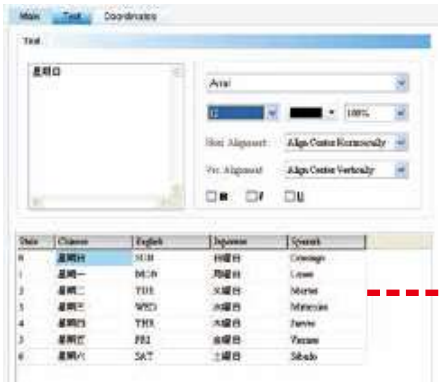
- PLC ladder diagrams can be transferred and backed up via SD card / USB disk even in a location where an external PC is not available
- SD card / USB disk are capable of storing several PLC ladder diagrams

Support Delta DVP series PLC only.

Multilingual Display

Up to 32 languages are available. No need to redesign the screen data! A benefit for marketing the equipment to manufacturers and end users around the world.

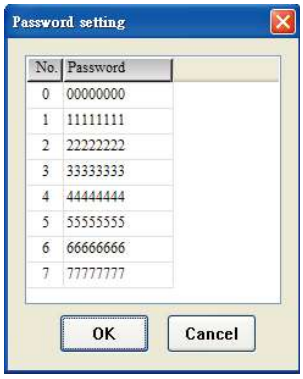


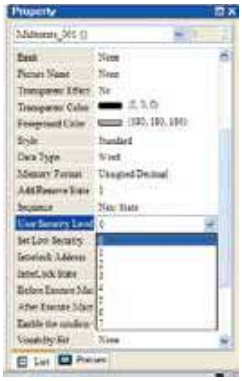


Multilingual editing on a PC in Excel

Password Settings

Provides 8 levels of passwords to set user security and prevent improper use. Only the security level that is equal to or higher than the current setting can use the element.





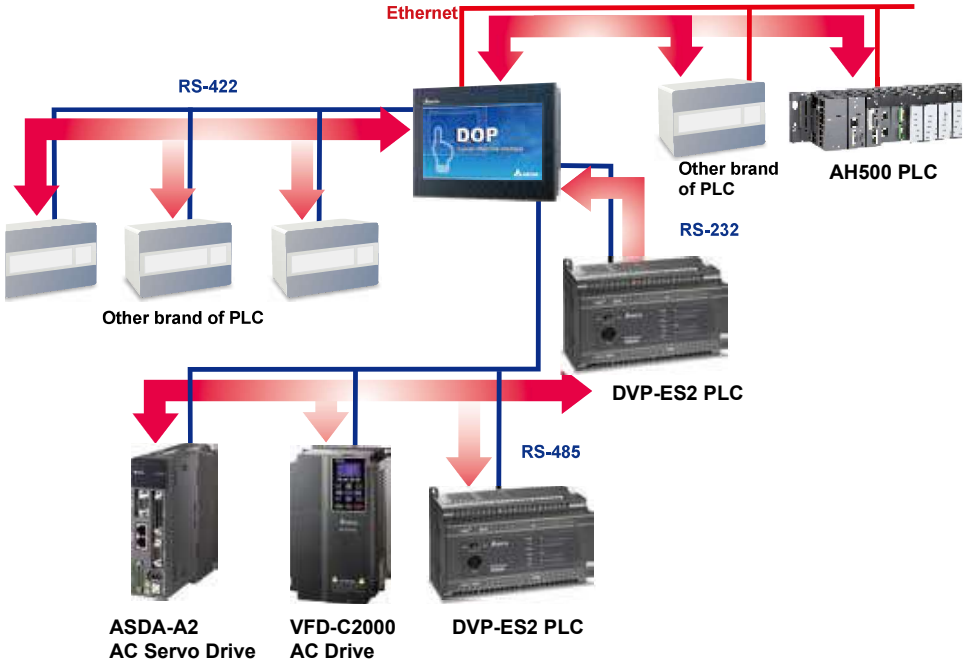
Element Invisible Function

The element on the screen can be hidden by triggering the corresponding bit.

Provides Diverse Communication Interfaces

Easy to communicate with more than 30 brands of PLCs/Controllers

All DOP series models support RS-232/485/422 communication interfaces and over 20 different PLC/Controller drivers. With the aid of an Ethernet interface, it is possible to use four communication interfaces at the same time, easily connecting to various industrial automation devices for a complete communication network link managed by Delta's new DOP series.



VGA Model

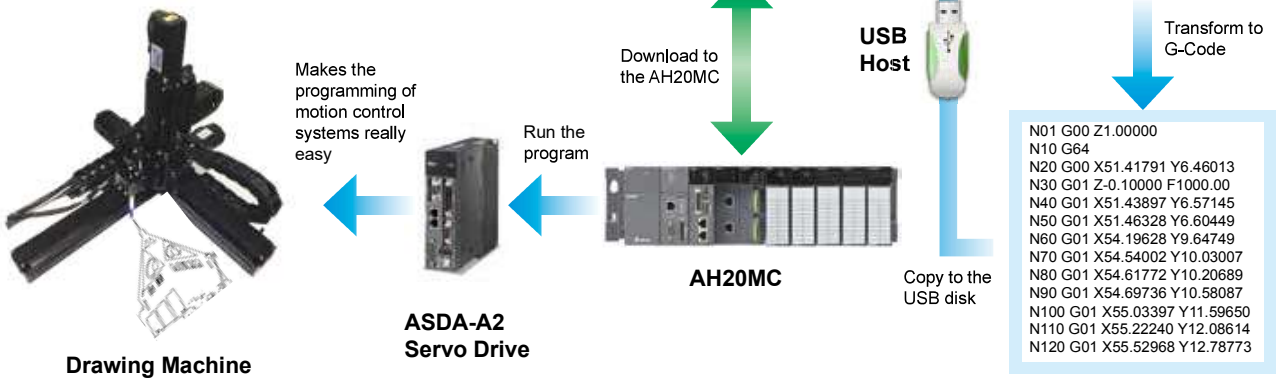
DOP-B10VS511 supports VGA video input which integrates live video and HMI display into one unit. Incorporated with Delta's DMV series machine vision system, Delta offers an integrated solution that delivers precise and reliable control to meet the needs of industry upgrades and bring benefits to our customers around the world.

Specifications	
Input Interface	VGA Input
Resolution	800 x 600 pixels
Scanning Frequency	56 Hz / 60 Hz

Integrates Delta Professional Functions (PS Models Only):

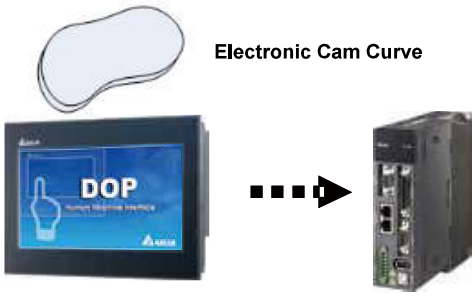
G-Code

- Supports Delta's motion controllers: DVP-10MC / DVP-20PM / AH20MC
- Capable of viewing and changing the G-code files with the HMI
- Supports serial and Ethernet communications



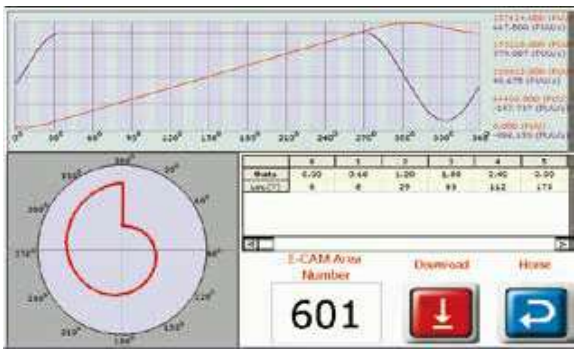
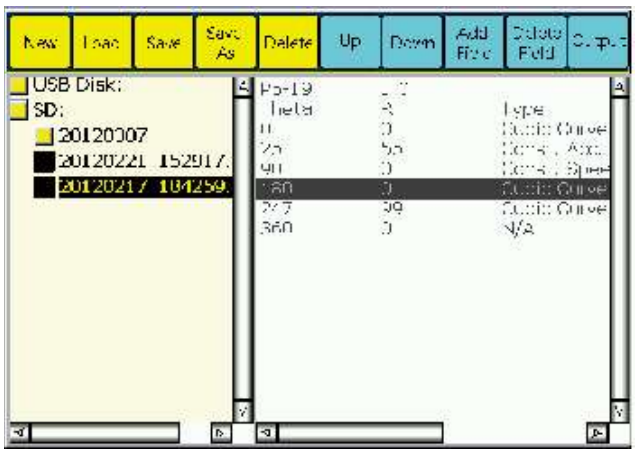
Electronic Cam (E-Cam) Curve Table

- Supports ASDA-A2 series servo drives
- A personal computer is not required. Electronic cam curves can be generated on HMI and downloaded to the ASDA-A2 series servo drive directly



Supports E-Cam table macro for making E-Cam curve on HMI

- Auto rotary shear with sealing zone
- Indirect printing
- Auto rotary shear – cos compensation



Supports cubic curve manual creation