

Display Features

Improved visibility for operator interface panels

Great power of the visibility facilitates the operation by high-resolution and high-speed video display.

High-resolution Display

The image shown below is not an actual display image.

65,536 colors*1
(32,768 colors with blinks)

High-resolution display of 65,536 colors without blinks and 32,768 colors with blinks enables clear display of JPG and BMP images. Realistic appearance of photos, illustrations and 3D parts improves visibility and makes it easy for operators to quickly grasp the conditions.



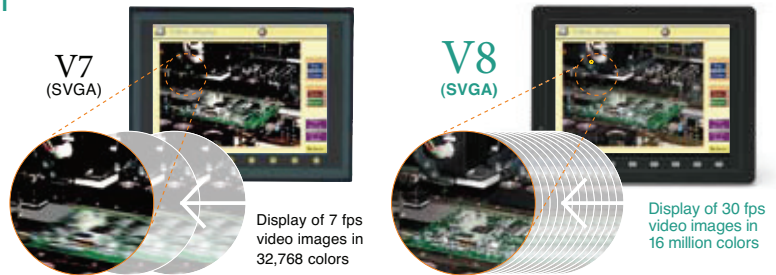
*1 Except V806iMD/V806MD

High-level images are displayed in real time without missing any information

Display of 30 fps video images in 16 million colors*2

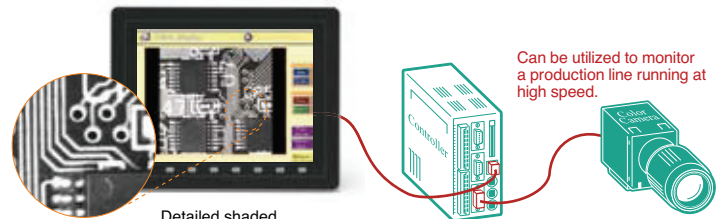
First in Industry

High-speed displaying of 30 frames per second is possible. Even displays for production of a short tact time can be made without any delay.



Monochrome display with 256 gradations*2

Monochrome images that are often used by image processor can be displayed more clearly. The reproduction capacity for gradation and pattern-indented surfaces has been drastically improved.



Detailed shaded drawings are displayed clearly.

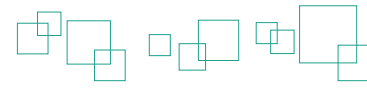
*2 For V808iS, 260,000-color displays and 64-gradation monochrome displays are possible.

Clear and smooth letters

The stroke font can be displayed to appear smooth even for magnified characters.

The stroke font is defined by lines. Since it does not depend on the resolution of the device, which is different from the bitmap font, fonts can be magnified or shrunk freely. Unicode enables you to edit the project in various languages.

Language		Japanese	English/ European	Traditional Chinese	Simplified Chinese	Korean	Central European	Cyrillic	Greek	Turkish	Unicode(UTF-8)
Bitmap font	Non-gothic	● Japanese/Japanese32	●	●	●	●	●	●	●	●	●
	Gothic	● Gothic/Gothic (IBM extension)	● Gothic (Mincho)	×	×	×	×	×	×	×	×
Stroke font		●	●	●	●	●	●	●	●	●	●



Operation Features

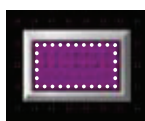
"User-oriented operability" by high-speed and smooth display

High-speed accelerator and algorithm ensure stress-free operation.

Free switch layout with analog resistive switches

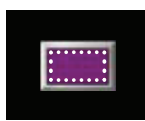
Analog resistive switch

Analog resistive switches are used for MONITOUCH. Freer switch layout facilitates screen designing while more intensive operation display can be produced.



Matrix resistive switch

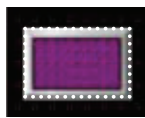
Switches are detected by block.



When moving the button

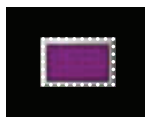


The button can be arranged only along the specified grid line



Analog resistive switch

Switches are detected by dot.



When moving the button

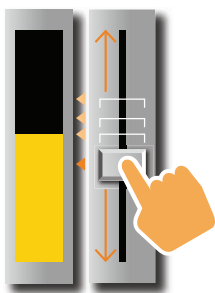


The switch detection area can be moved freely along with the button

*The area outside the dotted lines is not detected.

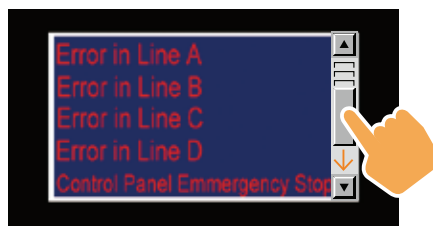
Slider switch

Slider switches enable data entry without inputting data using the numeral key pad. Values can be modified easily and quickly, even for a fine adjustment.



Scroll bar

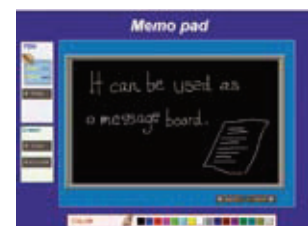
Messages and JPEG files out of the display area can be seen by scrolling the area.



*Scrolling direction varies depending on functions

Memo pad function

Analog resistive switches allow you to use MONITOUCH as a memo pad for hand writing. You can draw a picture or write a message on the display for use as a message board at production sites.



High-speed accelerator and algorithm ensure speedy, high-quality displays as well as higher usability in panel operation.

V8 series has drastically improved the processing capacity for drawing, calculation and communication in terms of smooth drawing and quick response.

<h4>Speedy drawing</h4> <p>V8 is equipped with a high-speed graphic accelerator, which improves speed for drawing graphics and characters.</p>	<h4>High-speed communication</h4> <p>High-speed communication with PLCs is possible. By improving communication efficiency, the cycle speed can be shortened even when linked with more than two PLCs.</p>	<h4>Quick response</h4> <p>Switch response speed has been shortened by efficient data processing and task assignment.</p>
--	--	---

Products
Display/Operation Features
Communication Features
Expandability
Usability
Configuration Software (V-SFT)
Component Parts
Expandability with MES/Ethernet
Specifications
Dimensions and Part Names
System Configuration
Option
Option List
Customer Service
Product Warranty

Communication Features

Multi-communication using the gateway function

Is capable of the connection with up to eight devices by combining Ethernet and serial communication. More advanced and expanded network can be now realized.

Connectable with up to eight different kinds of devices and different manufacturers' PLCs

8-way communication

A combination of Ethernet (eight protocols) and serial communication (three protocols) allows the 8-way communication, which enables connection among a V8 and up to eight kinds of devices consisting of PLCs and peripherals of different manufacturers.

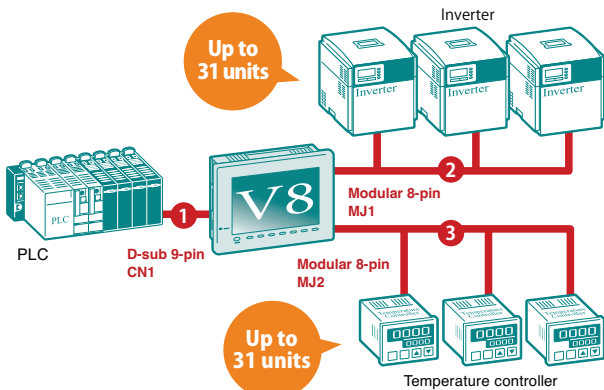
- Simultaneous communication and data transfer with eight kinds of devices
- Simultaneous monitoring and operation of multiple PLCs and peripherals
- Linkage between a V8 and various devices on the LAN network using the gateway function

Network Examples

Example 1 Serial connection (three ports)

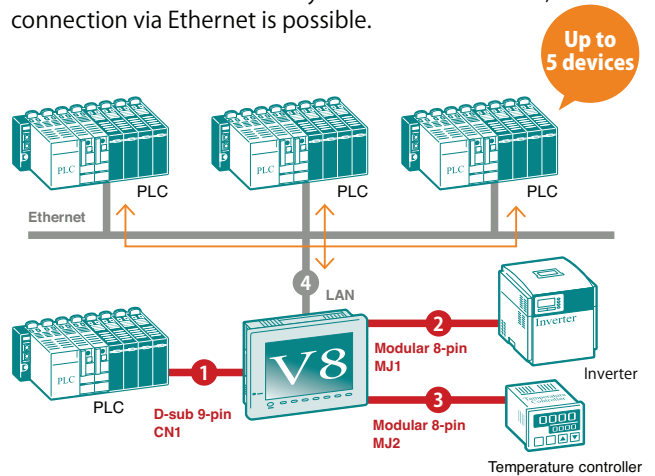
Making a network linked with various automation devices

PLCs and peripherals of up to three kinds of units can be connected by serial connection. Even though two or more types of temperature controllers and inverters are used, they can be connected with one V8.



Example 2 Serial connection and Ethernet Integrated management of up to eight kinds of devices

In addition to conventional connection with temperature controllers and PLCs via 2-way serial communication, connection via Ethernet is possible.

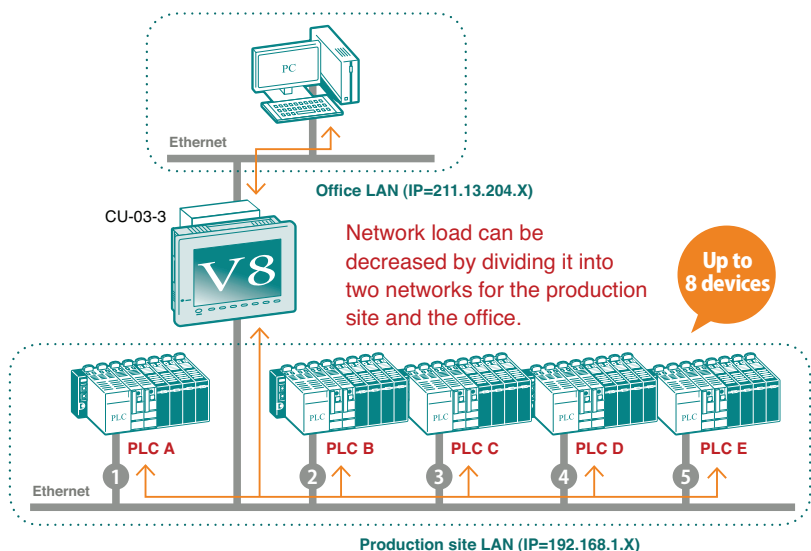


Example 3 Ethernet First in Industry

Used as a gateway for different types of networks

V8 can connect with eight kinds of PLCs via Ethernet. In addition, it can be used as a gateway with another network by adding an Ethernet port using the optional unit (CU-03-3).

For example, data can be transferred between a production site and the office freely by using a V8. V8 works as the gateway of multiple networks of the production site and the office without increasing data load on the networks.





A variety of ingenious uses

8-way communication offers various functions and boosts your convenience

case 1 Analysis of trouble

Integrated management of different manufacturers' PLCs

A production line that contains various manufacturers' equipment has various types of PLCs. By using 8-way communication, you can monitor the condition of all the PLCs through a V8 and analyze trouble at a remote place without visiting the site.

Information on the machines is collected into one V8

case 2 Reading of production conditions and set data

Connectable with various kinds of equipment

Even when the system consists of various kinds of equipment, it is easy to read and write the data of the individual units via 8-way communication. By using a V8 as a gateway, it is possible to connect with the office host system.

Reading/Writing of the data of multiple units can be conducted by one V8

case 3 Real-time indication of information

High-speed data sampling

A V8 is connected to a PLC via two communication lines: one for operation/monitoring, and the other for sampling, a setup that enables high-speed and stable sampling.

For operation/monitoring

Products
Display/Operation Features
Communication Features
Expandability
Usability
Configuration Software (V-SFT)
Component Parts
Expandability with MES/Ethernet
Specifications
Dimensions and Part Names
System Configuration
Option
Option List
Customer Service
Product Warranty