Y-View Operator Interface
High Performance

Outstanding Visibility

Color Models
All models support 65,535 colors!!

Monochrome display
256 grayscale
Suitable for image processing.

Video
30fps video display with 1.6 million colors
* 30fps is the same as TV!
Y-View Operator Interface...

Connectivity

- **Enhanced Connectivity**

- **8WAY communication**
  Up to 8 protocols running simultaneously.

- **Dual IP addressing**
  First-in-industry
  V8 works as a gateway between 2 network!

- **2 USB ports**
  USB (master/slave) ports are included as standard equipment.
# Y-View Operator Interface...

## Y-View Line-up at a Glance

<table>
<thead>
<tr>
<th>15.0”</th>
<th>12.1”</th>
<th>10.4”</th>
<th>8.4”</th>
<th>5.7”</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1.png" alt="Display" /></td>
<td><img src="image2.png" alt="Display" /></td>
<td><img src="image3.png" alt="Display" /></td>
<td><img src="image4.png" alt="Display" /></td>
<td><img src="image5.png" alt="Display" /></td>
</tr>
<tr>
<td>YVIEW-D150</td>
<td>YVIEW-D121</td>
<td>YVIEW-D104 (VGA or SVGA)</td>
<td>YVIEW-D084</td>
<td></td>
</tr>
<tr>
<td>TFT</td>
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<tr>
<td>XGA</td>
<td>SVGA</td>
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<tr>
<td>64K</td>
<td>64K</td>
<td>64K</td>
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<td>64K</td>
</tr>
</tbody>
</table>

- "I" series
  - Built-in LAN
  - USB 2 ports
    - For all models
- DC models
  - CE/UL/cUL
  - ABS*/NK*/LR*
    - *Available with limited models.

- Ethernet Option
- DC Power Option
- YVIEW-D057
- STN Display
- Mono Display

ALL Color models 64-K colors!
Y-View Operator Interface...

YVIEW-D150 (15.0” Model)

Flagship model with largest display, XGA resolution, and multiple communication options

**Basic specification**

<table>
<thead>
<tr>
<th>Model</th>
<th>YVIEW-D150</th>
</tr>
</thead>
<tbody>
<tr>
<td>Display size</td>
<td>15 inches</td>
</tr>
<tr>
<td>Display device</td>
<td>TFT color LCD</td>
</tr>
<tr>
<td>Resolution</td>
<td>1,024x768 dots</td>
</tr>
<tr>
<td>Display colors</td>
<td>65,536 colors (without blinks) / 32,768 colors (with blinks)</td>
</tr>
<tr>
<td>Display memory</td>
<td>128MB</td>
</tr>
<tr>
<td>Backup memory</td>
<td>SRAM (512KB)</td>
</tr>
</tbody>
</table>

**Interface**

- D-Sub 9-pin CN1: RS-232C, RS-422/485, Asynchronous
  - Data length: 7 bits, 8 bits, Parity: even, odd, none
  - Stop bit: 1 bit, 2 bits
  - Baud rate: 4800, 9600, 19200, 38400, 57600, 76800, 115200, 187500bps

- Modular 8-pin MU1/MU2: RS-232C • RS-422/485(2-wire), Asynchronous
  - Data length: 7 bits, 8 bits Parity: even, odd, none
  - Stop bit: 1 bit, 2 bits
  - Baud rate: 4800, 9600, 19200, 38400, 57600, 76800, 115200bps

- Ethernet: 100BASE-TX / 10BASE-T Built-in
  - Communication I/F: Equipped
  - Extend I/F: Equipped
  - GF card I/F: Equipped
  - USB I/F: Type A and B (Ver1.1)

**Options**

- Video (4ch): GU-00
- RGB input: GU-01
- RGB output: GU-02
- Video (2ch)/RGB input: GU-10
- RGB input (2ch): GU-11
- Sound output: GU-00 – 03
- Communication unit: GU-00 – 08
- I/O unit: V-I/O

**Compatibility**

- CE Marking: EN61000-6-2, EN61000-6-4
- UL/cUL: UL508
- Marine Standards: NK, LR, DNV, ABS, BV, CCS, GL
- RoHS directive: Compiled

*1 When connected with SIEMENS MPI
*2 Only with 24V DC models
*3 If you need a unit that complies with the marine standards, please contact us.
Y-View Operator Interface...

YVIEW-D121(12.1” Model)

High Performance combined with good screen size and plenty of communication options

Comm. unit
- OPCN-1
- T-Link
- CC-Link
- Ethernet
- PROFIBUS-DP
- DeviceNet
- FL-net
- SXBUS

Optional unit
- Video 2ch + RGB-IN 1ch
- RGB-IN 2ch
- Video 4ch + Sound
- RGB-IN + Sound
- RGB-OUT + Sound
- Sound

Serial port (modular 8pin)
- PLC
- PLC ladder tool
- Temp. controller/inverter
- Touchswitch
- Card recorder
- Modbus slave
- V-Link
- V-I/O

CF card

Ethernet

USB(A/B)

Serial port (D-sub9pin)
- PLC
- Temp. controller/inverter
- General-purpose PC
- Barcode

[ SVGA 64K-color model ]
- TFT
- SVGA
- 64K
- FROM 12.5M
- SRAM 512K

[ SVGA 64K-color model ]
- Serial 3ch
- Built-in LAN
- Built-in CF I/F
- USB A+B
- CF I/F
Y-View Operator Interface...

YVIEW-D104(10.4” Model)

Balancing size and performance, D104 models offer TFT displays and a choice of SVGA or VGA Resolution.

Comm. unit
- OPCN-1
- CC-Link
- Ethernet
- PROFIBUS-DP
- DeviceNet
- FL-net
- SX-BUS

Optional unit
- Video 2ch + RGB-IN 1ch
- RGB-IN 2ch
- Video 4ch + Sound
- RGB-IN + Sound
- RGB-OUT + Sound
- Sound

Serial port (modular 8pin)
- PLC
- PLC ladder tool
- V-link
- Temp. controller/inverter
- Touchswitch
- Card recorder
- Barcode
- Modbus slave
- Serial printer

Serial port (D-sub9pin)
- PLC
- Temp. controller/inverter
- General-purpose PC
- Barcode

CF card
USB(A/B)
Ethernet

[ SVGA 64K-color model ]
- TFT
- SVGA
- 64K
- FROM 12.5M
- SRAM 512K
- Serial 3ch
- Built-in LAN
- Built-in CF I/F
- USB A B

[ VGA 64K-color model ]
- TFT
- VGA
- 64K
- FROM 12.5M
- SRAM 512K
- Serial 3ch
- Built-in LAN
- Built-in CF I/F
- USB A B
Y-View Operator Interface…

YVIEW-D084(8.4” Model)

Our popular D084 models come with TFT displays and a choice of SVGA or VGA Resolution.
Y-View Operator Interface...

YVIEW-D057 (5.7” Model)

Compact yet functional the D057 model comes in Mono, STN, TFT, DC Power, and Ethernet Models

Optional Units
- [Optional unit]
- DU-10
- [Comm. Unit]
- CU-xx

Serial port (modular 8pin)
- PLC
- PLC ladder tool
- Temp. controller/inverter
- Touchswitch
- Barcode
- Modbus slave
- V-Link
- V-I/O
- Card recorder
- USB-A
- USB-B
- Ethernet

[QVGA 64K-color model]
- TFT
- QVGA
- 64K
- FROM 4.5M
- SRAM 512K
- Serial 2ch
- Built-in LAN
- Built-in CF I/F
- USB A-B

[QVGA monochrome model]
- STN
- QVGA
- MONO
- FROM 4.5M
- SRAM 512K
- Serial 2ch
- Built-in LAN
- Built-in CF I/F
- USB A-B
Y-View Operator Interface...

YVIEW-D057 + DU-10

[optional Unit]
- CF socket + D-sub 9pin port

YVIEW-D057 + CU-xx

[Comm. Unit]
- PROFIBUS-DP - Ethernet*
- DeviceNet*
- OPCN-1* - T-Link
- CC-Link* - FL-net* - SX-BUS
*Under Development
Y-View Key Features

- Component Parts
- 8Way Communication
- Pop-up Alert (message box)
- Conditional Visibility
- Dual IP Address
- MES Interface
- FTP Server
- Dual CF Card Interface
- USB Keyboards
- USB Mouse
- PictBridge Printers
Y-View Operator Interface...

8WAY Communication image

Serial (3 protocols) + ETHERNET (5 protocols) = 8WAY (8 protocols)
Dual IP Addresses

Problem

I want to have separate network for the office and the factory due to security reason.

I want to exchange the information between office and factory.

Solution

GATEWAY* between two different network

It is possible to have two different IP addresses. Y-View becomes a gateway between factory and office while having security and reducing load of network.

Image of multiple-IP

It is possible to monitor current status of the factory from the office via TELLUS & V-Server
Y-View Operator Interface...

MES Interface

Problem

I want to correct the production data to the PC, but I am not programming expert... Any good solution?

Solution

MES INTERFACE FEATURE

Y-View +V-Server helps you! No Special hardware or dedicated program is required. Y-View based information is sent to SQL database via V-Server.
Y-View Operator Interface...

FTP Server for easy file exchange

Problem

I want to manage production history of a factory from a remote office.

I want to update data of the machine which locates far from here.

But I cannot go there easily!

Solution

FTP SERVER

It is possible to read/write CF card inserted in Y-View from your office. No dedicated program required; you can access data via web browser or file explorer.

FTP Server helps you...

You can access to the CF card inserted in Y8 from your PC connected to network. No special application program required.

You can access all the files in a CF card.
I am using a CF card for recipe and data logging.

BUT I NEED TO OPEN THE MACHINE TO REMOVE THE CARD...

TWO CF CARD DRIVES
You can use CF card socket on Y-View and external CF card reader on USB port simultaneously. Data can be copied from one card to another without interrupting machine operation.
Y-View Operator Interface...

USB Keyboard Support

Problem
Software keyboard on the screen is too small to type!
I cannot see the screen at all when displaying keyboard, especially when using small panels.

Solution
USB KEYBOARD SUPPORTED
Entry via USB keyboard is supported. No need to create software keyboard or 10 key on the screen.

Example
I cannot See the screen at all!!

How can I operate??

EASY ENTRY!!!
PictBridge Printer Support

**Problem**

I cannot find any MS-DOS printer nowadays. Which printer is supported?

It is hard to find right printer because supported models are limited.

**Solution**

PICTBRIDGE-COMPATIBLE PRINTER

In addition to the printers previously supported, new printers which are compatible with PictBridge standard are supported!

**Example**

Any printers which support PictBridge can be connected to Y-View directly via USB!!
Y-View Configuration Software builds Operator Interfaces for all Y-View models including PC-based Tellus HMI.

1. **Project View**
   - Grasp screen program, settings etc.

2. **Item View**
   - Set the functions of the item from this dialog.

3. **Item List**
   - You can enter the position, switch text here.

4. **Parts List**
   - Drag and drop a part from the selection of more than 1000 kinds of attractive parts.
Y-View Operator Interface...

Built in Emulator

Problem

I wish I can debug my program only using PC...

I want to capture the screen image to make manuals or documents.

Solution

EMULATOR

It is possible to check the operations while creating program and perform screen captures to help rapidly develop documentation.

Example

Start the Emulator to test your program on your PC!

Capture the Emulator image and paste it!

Debug completed! AND Document completed!
Scalable Screen Program

Problem

I want to reuse my project. But screen size is different. Do I have to make the program again from scratch?

Solution

SCALABLE SCREEN
Y-View Configuration Software will resize the screen program automatically by selecting the desired model from the list.

Example

Select desired model...

640x480

800x600

Easy!!
Y-View’s Data Exchange Feature allows for interfacing many 3rd party devices to our many Yokogawa offerings...
Many pre-made screens are available for use with our products…
Questions?