# PanelView 5000 Portfolio of Graphic Terminals

## Featuring Studio 5000 View Designer Software

To help you optimize productivity, Allen-Bradley has expanded the PanelView™ 5000 portfolio of graphic terminals and Studio 5000 View Designer® software. Studio 5000 View Designer software is included as part of the Studio 5000 Automation Engineering & Design Environment® software.

It allows engineers to enter configuration information only once and leverage it across the entire automation design system. The integration of hardware and software helps you build modern applications more easily and make data-driven decisions faster.

## Features and Benefits

### Enhanced integration with Logix

- Logix-based alarms are automatically available, eliminating additional configuration
- High-speed HMI buttons provide quick response and feedback for machine jogging applications
- Logix tag extended property support helps develop richer content
- Alarm log viewer gives users a historical record of alarms
- Archiving of logs to SD card or USB enables offline storage and analysis

### Increased productivity with intuitive design environment

- Intuitive navigation menu reduces configuration time
- Scalable vector graphics automatically adjust objects and screens to any terminal size
- Create custom, re-usable add-on graphics to more efficiently build your applications
- Configurable screen update rates for optimizing system performance
- System tags for color correction enables users to adjust colors to account for ambient light
- Up to 2500 states in a state table supports applications such as large lookup tables for error codes
- Larger keypad and keyboard options for easier touch operation, particularly for gloved operators
- Supports Project Events to automatically trigger an action without operator intervention
- Email notifications provide messaging of machine or process states to remote users
- Projects and firmware can be loaded from removable media (SD card or USB)



Studio 5000 View Designer Software



PanelView 5510 Graphic Terminal



PanelView 5310 Graphic Terminal

## Intuitive, Modern Design

### PanelView 5510 Graphic Terminal

The PanelView 5510 graphic terminal was designed for OEMs and end users who require a high degree of integration between their HMI and controller. Available in a wide range of display sizes from 7" to 19", it has wide screen, touch and keypad options. EtherNet/IP with DLR and embedded switch technology supports ring topology for network fault tolerance and reduced downtime. A physical navigation button on the terminal easily displays information. The terminal can connect to as many as four controllers and 16,000 alarms. The stainless steel model features conformal coating, IP69K rating and field-replaceable food-grade gasket. It has an HTML5-compatible web browser that can view web pages, play videos and stream video from IP cameras.

### PanelView 5310 Graphic Terminal

The PanelView 5310 touch screen graphic terminal is ideal for OEMs and end users looking for a right-sized visualization solution for their smaller applications. The terminal provides 100 screens, connection to one controller and 4,000 alarms. An on-screen navigation button easily displays information.

*Offering a scalable, modern design with a slim, aluminum bezel*




## OEM Partner Benefits

The PanelView 5000 is ideal for OEM partners because Logix integration and outstanding usability make it easier to assemble an application. Specific capabilities to help OEMs include:

- High speed buttons replacing hardwired jog buttons, reducing machine complexity and cost
- Add-on graphics providing the ability to create reusable objects that can be copied between projects
- The ability to load firmware and projects from removable media, enabling end users to update the HMI without requiring Studio 5000 View Designer or ControlFLASH™ software
- Virtual Network Computing (VNC) allowing for remote access to the HMI and troubleshooting of problems with the machine
- Email notifications that can be sent to the end user's maintenance team or even back to the OEM when problems arise with the machine

## Improve Operator Performance

With the pre-built content available, you can develop applications faster. The PanelView 5000 was designed with features to maximize the display area, enabling more space for application content. This helps increase operation efficiency and may allow the use of a smaller terminal to address your application.

- A pre-configured system banner provides alarm roll-up and diagnostic indicators to help reduce design time and offer a consistent user experience
- The navigation button displays an intuitive navigation menu that helps optimize screen display area and includes default options for user screens, alarms, settings and diagnostics
- High-speed HMI buttons provide quick response and feedback for machine jogging applications
- Smart run-time error notifications help identify and manage issues quickly
- Configurable screen update rate allows for rates of 100, 250 or 500 msec for better visualization of high speed operations or smoother animations




PanelView 5510
Graphic Terminal

**Customizable system banner to provide system information on your screens**

**Easily navigate between operator screens, alarm summary, diagnostics and settings information**




PanelView 5310 Graphic Terminal

## Enhanced Logix Integration

The Studio 5000 Logix Designer® and Studio 5000 View Designer applications now have the ability to automatically share tags, alarms and other data – providing new levels of integrated design, operations and maintenance.

- Shared Logix tags help simplify engineering time by allowing your controller tags to be used in your terminal without having to create HMI tags.
- Logix-based alarms are automatically available on the PanelView 5510 and 5310 graphic terminals to eliminate additional alarm programming and help to reduce network traffic.
- High-speed button control – deterministic and auto diagnosing buttons can interact with the Logix controller at I/O speeds.
- Runtime language switching will switch static screen text, tag descriptions and alarm messages from the Logix controller.
- Alarm history allows the ability to store and view up to 40,000 alarm transitions to evaluate historical machine or process fault conditions. Export the alarm history to an SD card or USB drive to perform further analysis with external tools.
- Automatic diagnostic messages detected by capable field devices are displayed on the terminals with no user programming.
- Emulate the terminal on your PC connected to a physical controller or connected to the FactoryTalk® Logix Echo emulator.




*Integrated data sharing between Studio 5000 View Designer application and Logix system*

## Studio 5000 View Designer Software Features

- Connectivity to ControlLogix® and CompactLogix™ Controllers – V27 and later
- High-speed HMI buttons
- Logix-based alarms
- Display of Logix extended tag properties
- Automatic scaling of screen content to different panel sizes
- Navigation menu
- State tables
- Real-time and historical trending
- Pre-defined Logix integration and system status content
- Multi-language support with runtime language switching
- Flexible property binding and command actions
- Alignment guides
- PDF Viewer
- Terminal Emulator
- HTML5-compatible web browser
- Remote Access/Connectivity with VNC
- Datalogging with export to SD or USB
- Device Faceplates available for download
- Add-on Graphics
- Load projects and firmware from removable media
- Auto Log-off
- Email notification
- Project events




## PanelView 5000 Graphic Terminals

| | PanelView 5510 | PanelView 5310 |
|---|---|---|
| **CPU** | X86 Dual-Core | X86 Single-Core |
| **Application limits** | 4 controllers, 500 screens, 4,000 alarms per controller | 1 controller, 100 screens, 4,000 alarms |
| **Ethernet** | Two 10/100 Base-T, Auto MDI/MDI-X Ethernet ports that support DLR (Device Level Ring), linear, or star network topologies | 10/100 single Ethernet port |
| **Temperature, Operating** | 7-inch…15-inch terminals: 0…55 °C (32…131 °F)<br>19-inch terminals: 0…50 °C (32…122 °F) | 0…50 °C (32…122 °F) |
| **Certifications** | c-UL-us listed; Class 1, Div 2, Groups A, B, C, D; KCC; CE (EMC); CE (LVD); RoHS; RCM<br>NEMA and UL Type 12, 13, 4X, also rated IP66 as classified by UL, EAC, Marine | c-UL-us, CE, KC, RCM, EAC, RoHS<br><br>NEMA and UL Type 12, 13, 4X, also rated IP66 as classified by UL |
| **Display Sizes with Catalog Numbers** | 7" Touch – 2715P-T7CD<br>7" Keypad – 2715P-B7CD<br>7" W – 2715P-T7WD<br>9" W – 2715P-T9WD<br>9"W Touch Stainless Steel - 2715P-T9WD-BSK<br>10" Touch – 2715P-T10CD<br>10" Keypad – 2715P-B10CD<br>12" W – 2715P-T12WD<br>12"W Touch Stainless Steel - 2715P-T12WD-BSK<br>15" Touch – 2715P-T15CD<br>15" Keypad – 2715P-B15CD<br>19" – 2715P-T19CD | 6" W Touch – 2713P-T6CD1<br>7" W Touch – 2713P-T7WD1<br>9" W Touch – 2713P-T9WD1<br>10" Touch – 2713P-T10CD1<br>12" W Touch – 2713P-T12WD1 |
| **Navigation Button** | Hardware and Software | Software Only |
| **Branding** | Brandless versions available for all catalog numbers. Please use "271XP-XXXX-B." | |
| **Conformally Coated** | Conformally coated versions available for all catalog numbers. Please use "271XP-XXXX-K." All conformally coated catalog numbers are ISA GX classified. Consult the appropriate Tech Data publications (2713P-TD001D-EN-P or 2715P-TD001B-EN-P) for details. | |
| **Display** | Type Color TFT LCD, 24-bit Color Graphics (16,777,216 colors), LED backlight | |
| **Touch Screen** | Analog resistive | |
| **RAM** | 1 GB | |
| **Nonvolatile Storage** | 4 GB | |
| **Input Power Options** | 24V DC nom (18…30V DC) | |

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