Industry Boiler Control System

PowerVision
PV-8100iE

GRAPHIC HMI
WIDE SCREEN

10.0" TFT 350 cd/m^2 Display

4-Wire Resistive Touch Screen

32Bit RISC Processor 600MHz

Fan-less Cooling System

128MB Built-in Flash memory

128MB RAM Memory

Ethernet 10/100 Base-T

Two RS-232/485

IP66 Front Panel

Siemens MPI 187.5k Support*

CE & UL 508 Approvals

RS232/485

C E

USB 2.0

EtherNet/IP

The PowerVision PV-8100iE HMI

10.0" Wide Screen TFT Display

PowerVision Series PV-8100iE

The PV-8100iE utilizes an embedded 800 MHz microprocessor to provide crisp performance and startling HMI graphics. An aesthetically designed rigid aluminum enclosure offers anti-corrosion and effectively dust and dirt free protection.

PowerVision can support a network of up to 64 devices, exchange data, save data and operate each other over the Internet. Support for over 150 communication drivers' including CANopen, Modbus and Siemens MPI/PPI.

Applications are built with the *EasyBuilder Pro* Application Development System to quickly build up to 2000 dynamic graphic screens with Push Buttons, Numeric Display, Alarms, Real-time & Historical Trend objects and support for BMP, JPG, GIF or PNG image import. Enhanced features include a Recipe Management database to check, search and manage recipe information. Execute a specified process, time interval or triggered event with the Scheduled Management function.

Customize programs with the User-defined Macro Editor, then store frequently used routines in the Macro Library to shorten development time in future projects. Online and Offline Simulation tools facilitate fast application debugging.

E-mail notification of status alarms and regular statistical information enables users to efficiently manage plant related problems.

Introduce a 14 level, 128 User USB Key Run-time security system for local HMI operation.

MODEL	PV-8070iE
CPU	32Bit RISC CPU 800MHz
Memory (standard)	128MB RAM
Storage	Built-in 128MB Flash Memory
Touch Panel	4-wire Resistive
Real Time Clock	Yes
Housing	Plastic
Cooling	Fan-less Design
I/O Port	1 x Ethernet 10/100 Base T (RJ45)
	1 x USB 2.0
	Com1 (RS-232/RS-485 2W/4W) *MPI support only one port
	Com3 (RS-232/RS-485 2W) *MPI support only one port
Power input	24VDC
Installation Type	Panel Mount
Display	
Display type	10.0" TFT LCD / LED Backlight
Resolution	800 x 480
Brightness	350 cd/m^2
Backlight life Time	>30,000 hrs
SIZE AND WEIGHT	
Dimension (W×H×D)	271mm × 213mm × 40mm
Cut-out Size (W×H)	260mm × 202mm
Weight	1.3kg
ENVIRONMENT	
Operating Temperature	0℃- 50℃
Storage Temperature	-20℃ to 60℃
Humidity	10-90% (Non-condensing)
Front Panel Protection	IP65
Certification	CE, UL508 type 4X, AS/NZS CISPR 22:2009+A1:2010

NemaVision-iPC Contact Details
Tel: +44 (0)1252 370030
Email: sales@nemavision-ipc.com
Web: www.nemavision-ipc.com