



PowerVision PV-3070B

GRAPHIC HMI

WIDE TEMPERATURE RANGE

-20°C to -50°C

7.0" TFT 500 cd/m² Display

4-Wire Resistive Touch Screen

32Bit RISC Processor 1GHz

Fan-less Cooling System

256MB Built-in Flash memory

256MB RAM Memory

Ethernet 10/100 Base-T

Two RS-232/485

IP66 Front Panel

Aluminium Housing

CE Approved



RS232/485



USB 2.0



The PowerVision PV-3070B HMI

7.0" TFT Display



PowerVision Series PV-3070B

The PV-3070A utilizes an embedded 1GHz Cortex-A8 microprocessor to provide stunning 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-3070B
CPU	32Bit RISC CPU 1GHz
Memory (standard)	256MB RAM
Storage	Built-in 256MB Flash Memory
Touch Panel	4-wire Resistive
Real Time Clock	Yes
Housing	Aluminium
Cooling	Fan-less Design
I/O Port	1 x Ethernet 10/100 Base T (RJ45) 2 x USB 2.0 Com1 (RS-232/RS-485 2W/4W) Com3 (RS-232/RS-485 2W)
Power input	24VDC
Installation Type	Panel Mount
Display	
Display type	7.0" TFT LCD / LED Backlight
Resolution	800 x 480
Brightness	500 cd/m ²
Backlight life Time	30,000 hrs
SIZE AND WEIGHT	
Dimension (W×H×D)	200mm×146mm×42.5mm
Cut-out Size (W×H)	192mm×138mm
Weight	0.9kg
ENVIRONMENT	
Operating Temperature	-20°C to 50°C
Storage Temperature	-20°C to 70°C
Humidity	10~90% (Non-condensing)
Front Panel Protection	IP66
Certification	FCC, CE

NemaVision-iPC Ltd
9 Canterbury Gardens
Farnborough GU14 6ST
United Kingdom

T: +44 (0)1252 370030



DST-PV-3070B Rev A