

PanelVisa

The **dawn** of the HMI epoch provides incredibly versatile designs.



Compact
Technical
Professional
A New HMI Emerging

PV037-LSK/PV037-LST

PanelVisa Opened HMI System

The PV series is a low budget entry device for simple applications equipped with necessary basic functions. It is a high function but cost effective HMI which can communicate with popular of programmable controllers. With rugged plastic housing and IP65 front panel, the PV series conquers most harsh environments and meets many applications need, such as Factory Automation, Building Automation, Specified machine tools etc...

FEATURES

- High quality control and 100% product test
- IP65F equivalent front panel with function keys
- Built-in fanless, reliable and high function RISC 32-bits CPU
- Bundle 160 x 80 & 16-gray levels monochrome blue mode STN LCD with LED backlight
- Options 64KB~1MB battery backup memory for Alarm \ Recipe \ Data Recording using
- Supports Multi-Languages \ Unicode & BMP \ JPG \ GIF graphic formats
- Provides exceptional free of charge software, "PanelMaster"
- Customize Logo / Membrane Design
- Customize BIOS for Users



CERMATE Technologies Inc.

WWW.CERMATE.COM

A Professional Touch Panel Manufacturer

HMI TOUCH PANEL

WIN CE TOUCH COMPUTER

LCD TOUCH MONITOR

IPC

The richest variety of functionalities, the most cost effective multimedia-ready board.

INTRODUCTION

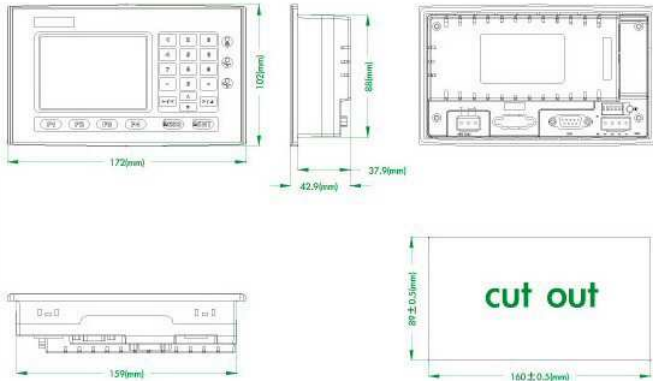
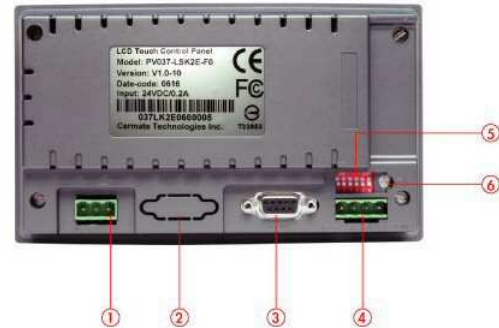
The PV037 is a compact HMI with excellent quality and most reasonable price among all the PanelVisa series products. It uses 32-bits high performance CPU, large size and bigger viewing angle LCD display. For various industry applications, we provide keypad and touch screen models to be selected. It's no doubt that PV037 is the best choice for your smart machines.

SPECIFICATIONS

- CPU_** RISC 32 bit CPU
- Display Type_** Monochrome STN LCD, 16 gray levels
- Resolution_** 160x80 (3.7" diagonal)
- Backlight_** LED (over 100,000 operation hours under normal temperature)
- Flash Memory_** 1 MB(Standard) ~ 16MB (Optional)
- System Working Memory_** 256 KB
- Battery Backup Memory_** 0 KB(Standard); 32KB~1 MB (Optional)
- Communication_** COM1/COM2, 2 Serial Ports
- Operation_**
PV037-LSK : Function Key ; offer 22 users define function keys (Max. to 40 keys optional)
PV037-LST : Touch Panel
- Text Range_** 6x8 dot font~96x96 dot font / Windows Font
- Ethernet Port_** Optional
- Input Power_** DC20V~DC28V
- Power Consumption_** 5W

- ① DC24V
- ② Extension Port (Ex. Profibus Module for Optional)
- ③ Com1 (RS232/422/485) DB9_Female
- ④ Com2 (422/485) 4 pin Terminal
- ⑤ DIP_SW 1-6
- ⑥ Contrast Tuner

Drivers voor o.a.:
Siemens S7-200 PPI
Siemens S7-300 / 400 MPI (zonder converter)
OMRON Sysmac C / CS / CJ / CV
Mitsubishi Melsec Fx / Fx2N / Q / Q00J / QnA
MODBUS (ASCII en RTU)
Modicon



ENVIRONMENTAL

- Operating Temperature_** 0°~50°C (32°~120°F)
- Relative Humidity_** 10% ~ 90% @ 50°C, non-condensing
- Shock (Operation)_** 10 to 55Hz (X, Y, Z direction 1G 30 minutes)
- EMI_** Complies with FCC Part 15 Class A
- EMC_** Complies with EN55022, EN61000-4-2, EN61000-4-3, EN61000-4-8
- Front Panel_** Meets NEMA4 / IP65F

CERTIFICATIONS

CE, FCC approved

OUTLET DIMENSIONS

PV037-LSK: 172.0 mm [6.77 "] W x 102.0 mm [4.02 "] H x 42.9 mm [1.69 "] T
PV037-LST: 125.0 mm [4.92 "] W x 96.0 mm [3.78 "] H x 35.0 mm [1.38 "] T

CUTOUT DIMENSIONS

PV037-LSK: 159.5 mm [6.28 "] W x 88.5 mm [3.49 "] H
PV037-LST: 118.0 mm [4.65 "] W x 89.0 mm [3.51 "] H

NET WEIGHT

PV037-LSK: 0.3 KG
PV037-LST: 0.26 KG

All the specifications and photos are subjected to be changed without notice.

PanelVisa Opened HMI System



Taiwan: Cermate Technologies Inc.
China: Shenzhen Cermate Technologies Inc.

ORDERING INFORMATION:

- ① Model: PV Series ; RISC 32 bit CPU
- ② LCD Size: 037 = 3.7 inches
- ③ LCD Spec.: L= monochrome STN LCD, 16 gray levels with LED backlight
- ④ CPU Board I/O Specification: S= serial ports ; N= LAN port
- ⑤ Operation Type: T=touch panel; K=function key
- ⑥ CPU Board Port Specification: 2=standard type with 2 serial ports
- ⑦ LCD Brand: K=Kyocera ; N=Nanya ; E=E-King ; S=Sunlike
- ⑧ Case Color: B0= black ; C0= white ; F0= silver black ; G0= gray silver white