PV-8100i

◆ Features

- ☒ 10" 800x480 TFT LCD
- ☒ Fan-less cooling system
- ☒ Built-in flash memory and RTC
- ☒ NEMA4/IP65 compliant front panel
- ☒ LED Back Light
- ☒ One USB Host and one USB client port
- ☒ SD card slot
- ☒ Power Isolator inside
- ☒ Com1 RS485 supports MPI 187.5K

【 *Introduction* 】

PV-8000 series in the HMI range of NemaVision-iPC. With the design concept of meetin g customers' satisfaction while easy-to-Use attribute as before, a PV-8000 not only performs as a Human Machine Interface but also plays as a role of data exchange center. Through the most popular Ethernet connection, data can be shared among PV-8000s without limitation and any SCADA/HMI software on the PC can simply access data from PV-8000s. PV-8000 series is the best choice for your requirement tomorrow.

The PV-8100i is equipped with a USB 1.1 host, a USB 2.0 high speed device and SD card slot.

◆ LCD Display

Display type	TFT LCD
Display size (diagonal)	10"
Max colors	65536
Resolution	800 x 480
Viewing angle (°)	45/65/65/65(T/B/R/L)
Luminance (cd/m ^{2})	300
Backlight	LED
Backlight Life time	30,000 hrs.
Contrast ratio	500:1

◆ Specifications

☒ **Construction:** plastic molding housing
☒ **Display:** 10" 65,536 color TFT LCD
☒ **CPU and core logic:** 32Bit RISC 400MHz processor
☒ **DRAM:** 64 MB DDR2 on board
☒ **Storage:** 128 MB flash memory on board,
(User project size: 16MB, Data and Event log size: 48MB)
☒ **I/O:** 3 serial ports:Com1: RS-232/RS-485 2w/4w,
　　　　　　　　Com2: RS-232,
　　　　　　　　Com3: RS-232/RS-485 2w
　　　　　　　1 Ethernet port (10/100Base-T)
　　　　　　　1 USB 1.1 host
　　　　　　　1 USB 2.0 high speed device
☒ **Sound output:** Line out
☒ **RTC:** Built-in
☒ **Power input:** 24±20%V $_{DC}$,300mA@24VDC
☒ **Dimension (W x H x D):** 271 x 212 x 50mm
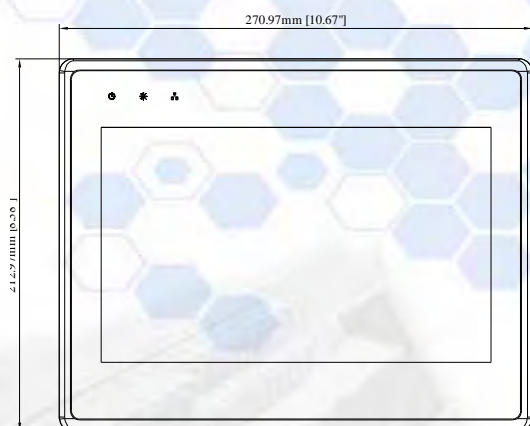☒ **Weight:** 1.4kg
☒ **Software:** EB8000 V2.0.0 or later

◆ Touchscreen

☒ **Type:** 4-wire, analog resistive
☒ **Resolution:** continuous
☒ **Light transmission:** above 80%
☒ **Life:** 1 million activation minimum

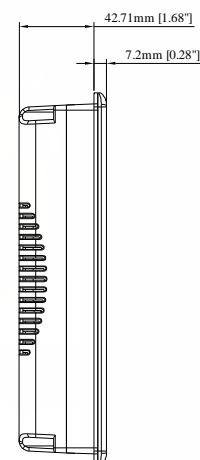## ◆ Environmental Specifications

☒ **Operating temperature:** 0°~ 50℃ (32°~ 122℉)
☒ **Storage temperature:** -20°~ 60℃ (-4°~ 140℉)
☒ **Relative humidity:** 10% ~ 90% @40℃, non-condensing
☒ **Shock (operation):** 10 to 25Hz(X,Y,Z direction 2G 30minutes)
☒ **CE/FCC ：** Complies with EN 55022:2006,Class A
　　　　　　　　EN 61000-3-2:2006
　　　　　　　　EN 61000-3-3:1995+A1:2001+A2:2005
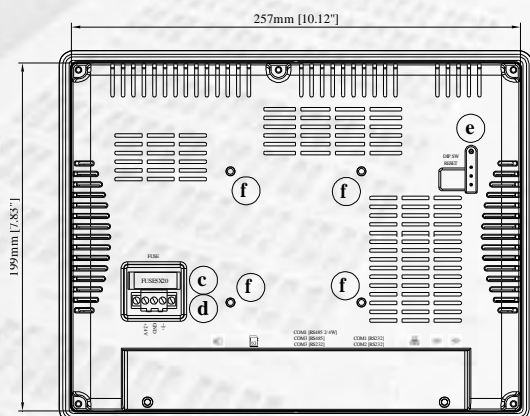　　　　　　　　EN 55024:1998+A1:2001+A2:2003
☒ **Front panel meets NEMA4 / IP65**
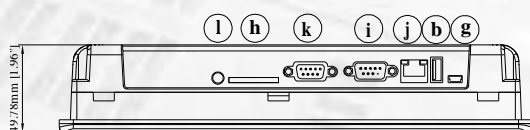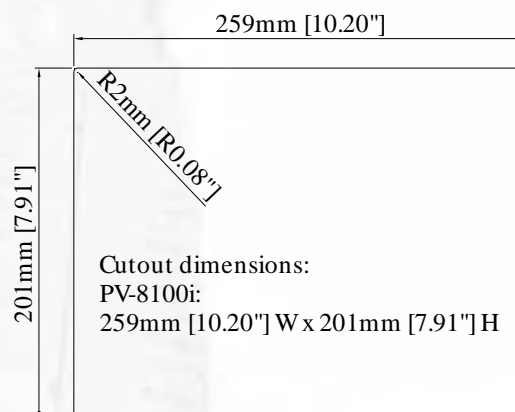
◆ Dimensions Drawing

270.97mm [10.67"]

217.17mm [8.55"]

Front View

42.71mm [1.68"]

7.2mm [0.28"]

Side View

257mm [10.12"]

199mm [7.83"]

e

f   f

c
d   f   f

COM3 [RS485 2-W]
COM2 [RS485]
COM3 [RS232]   COM1 [RS232]
COM2 [RS232]

Rear View

259mm [10.20"]

R2mm [R0.08"]

201mm [7.91"]

Cutout dimensions:
PV-8100i:
259mm [10.20"] W x 201mm [7.91"] H

49.78mm [1.96"]

l   h   k   i   j b g

Bottom View

a	N/A	g	USB Client port
b.	USB Host port	h	SD card slot
c.	Fuse	i	Com1 RS232, Com2 RS232
d.	Power connector	j	Ethernet port (RJ-45)
e	DIP SW & Reset button	k	Com1 RS485, Com3 RS485, Com3 RS232
f	VESA 75mm screw holes	l	Audio Line Out

Ordering Information

⌧ **PV-8100i:**

10" 800x480 TFT LCD HMI, 128MB flash memory/64MB DDR2 RAM on board.

⌧ **RZCMT6100:**

PV-6000/8000 i series download cable / Mini USB to USB 2.0 100 cm