

PV-6100i

Human Machine Interface
with 10" TFT LCD display



【 Introduction 】

PV-6000 series is the HMI generation of NemaVision-iPC. With the design concept of meeting customers' satisfaction while easy-to-Use attribute as before, a PV-6000 not only performs as a Human Machine Interface but also plays as a role of data exchange center. PV-6000 series is the best choice for your requirement tomorrow.

The PV-6100i is equipped with a USB 1.1 host, a USB 2.0 high speed device and SD card slot.

◆ Specifications

- ☒ **Construction:** plastic molding housing
- ☒ **Display:** 10 " 65,536 color TFT LCD
- ☒ **CPU and core logic:** 32Bit RISC400MHz 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 USB 1.1 host
1 USB 2.0 high speed device
- ☒ **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

◆ 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

◆ 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

◆ Touchscreen

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

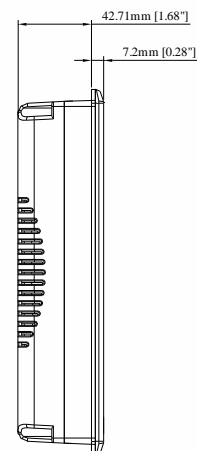
◆ Environmental Specifications

- ☒ **Operating temperature:** 0°~ 50°C (32°~ 122°F)
- ☒ **Storage temperature:** -20°~ 60°C (-4°~ 140°F)
- ☒ **Relative humidity:** 10% ~ 90% @40°C, 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**

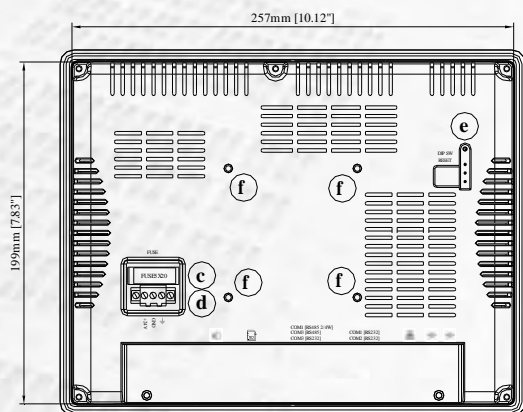
◆ Dimensions Drawing



Front View



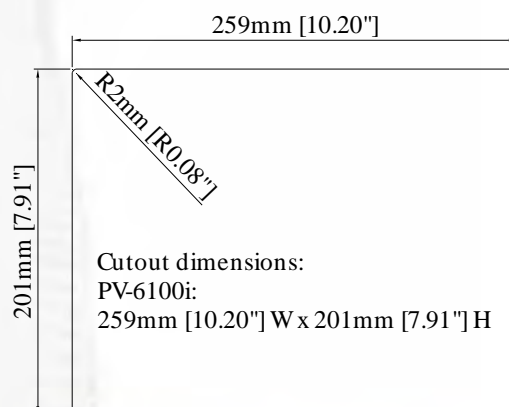
Side View



Rear View



Bottom View



Cutout dimensions:

PV-6100i:

259mm [10.20"] W x 201mm [7.91"] H

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	N/A
e	DIP SW & Reset button	k	Com1 RS485, Com3 RS485, Com3 RS232
f	VESA 75mm screw holes		

Ordering Information

☒ PV-6100i:

10" 800x480 TFT LCD HMI, 128MB flash memory/64MB DD R2 RAM on board.

☒ RZCMT6100:

MT6000/8000 i series download cable / Mini USB to U SB 2.0 100 cm