PV-6050i

◆ Features

- ☒ 4.3" 480x272 TFT LCD
- ☒ Fan-less cooling system
- ☒ NEMA4/IP65 compliant front panel
- ☒ LED Back Light
- ☒ One USB client port
- ☒ Power Isolator Inside
- ☒ Com1 RS485 supports MPI 187.5K

【Introduction 】

PV-6000 series is the new 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-6050 i includes a USB 2.0 high speed device.

◆ Specifications

- ☒ Construction: plastic molding housing
- ☒ Display: 4.3" 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,
  Recipe memory saved in flash memory, RW 64Kword, RW_A 64Kword.
  (User project size: 16MB, Data and Event log size: 48MB)
- ☒ I/O: 1 serial ports: Com1: RS-232/RS-485 2w/4w,
  Com3: RS-485 2w
  1 USB 2.0 high speed device
- ☒ Power input: 24±20%V $_{DC}$,250mA@24VDC
- ☒ Dimension (W x H x D): 128 x 102 x 38mm
- ☒ Weight: 0.3kg
- ☒ Software: EB8000 V3.0.0 or later

◆ LCD Display

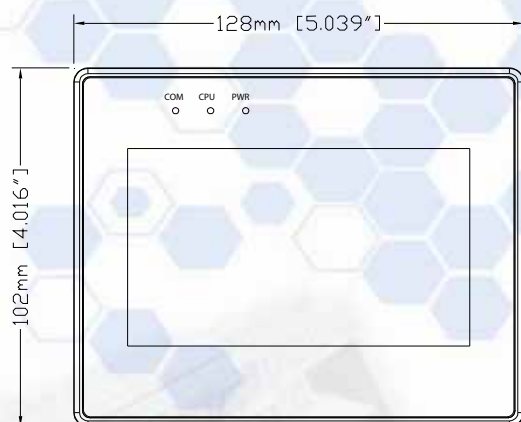| Display type	TFT LCD
Display size (diagonal)	4.3"
Max colors	65536
Resolution	480 x 272
Pixel pitch (HxV, mm)	0.198 x 0.198
Viewing angle (°)	50/70/70/70(T/B/R/L)
Luminance (cd/m ^{2})	500
Backlight	LED
Backlight Life time	30,000 hrs.
Contrast ratio	600:1

◆ Touchscreen

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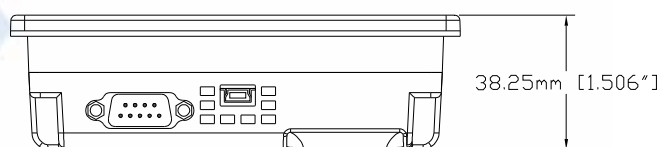- ☒ Light transmission: above 80%
- ☒ Life: 1 million activation minimum

◆ 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 55024:1998+A1:2001+A2:2003
  EN 61000-3-2:2006
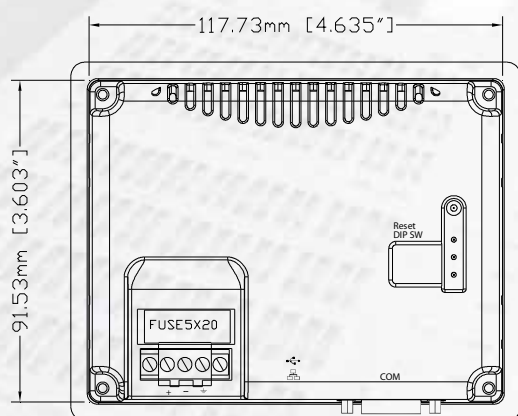 EN 61000-3-3:1995+A1:2001+A2:2005
- ☒ Front panel meets NEMA4 / IP65
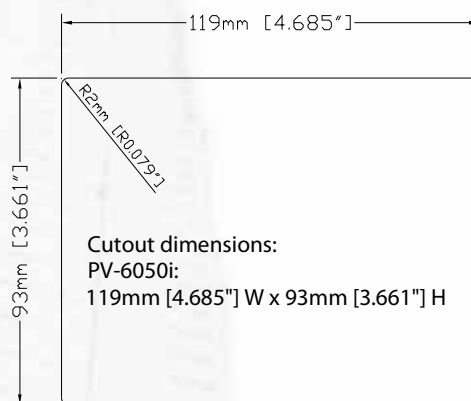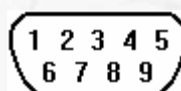
◆ Dimensions Drawing

128mm [5.039"]

COM CPU PWR

102mm [4.016"]

Front View

38.25mm [1.506"]

Bottom View

117.73mm [4.635"]

91.53mm [3.603"]

Reset
DIP SW

FUSE5X20

COM

Rear View

119mm [4.685"]

R2mm [R0.079"]

93mm [3.661"]

Cutout dimensions:
PV-6050i:
119mm [4.685"] W x 93mm [3.661"] H

Pin Designations

Pin assignment of the 9 Pin, Male, SUB-D
Com1[RS-232],Com1[RS-485 2w/4w],Com3[RS-485]

1 2 3 4 5
6 7 8 9

Pin#	Com1[RS485]		Com1[RS232]	Com3[RS485]
	4 wire	2 wire		
1	Rx-	Data-		
2	Rx+	Data+		
3	Tx-			
4	Tx+			
5	Signal Ground (GND)			
6			Transmit(TxD)	
7				Data-
8				Data+
9			Receive(RxD)	

Ordering Information

⊠ PV-6050 i:
   4.3" TFT LCD HMI, 128MB flash memory/64MB DDR2 RAM   on board.

⊠ RZCPV6100:
   PV6000/8000   i series download cable / Mini USB to USB 2.0 100 cm