

USER MANUAL

User Manual

17" / 19" / 20" LCD 1152 x 900 Native Resolution



SNP717 / SNP819 / SNP920
SUN Rackmount Display Panel

Options :
- DC power



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Before Installation

- It is very important to mount the equipment in a suitable cabinet or on a stable surface.
- Make sure the place has a good ventilation, is out of direct sunlight, away from sources of excessive dust, dirt, heat, water, moisture and vibration.

Unpacking

The equipment comes with the standard parts shown in package content. Check and make sure they are included and in good condition. If anything is missing, or damaged, contact the supplier immediately.

How To Clean Your LCD Monitor

Caution :

- To avoid the risk of electric shock, make sure your hands are dry before unplugging your monitor from or plugging your monitor into an electrical outlet.
- When you clean your monitor, do not press down on the LCD screen. Pressing down on the screen can scratch or damage your display. Pressure damage is not covered under warranty.
- Use only cleansers made specifically for cleaning monitors and monitor screens. Cleansers not made to clean monitors and monitor screens can scratch the LCD display or strip off the finish.
- Do not spray any kind of liquid directly onto the screen or case of your monitor. Spraying liquids directly onto the screen or case can cause damage which is not covered under warranty.
- Do not use paper towels or abrasive pads to clean your monitor. Using an abrasive pad or any wood based paper product such as paper towels can scratch your LCD screen.

Cleaning Your Monitor


To clean your LCD safely, please follow these steps :

- 1 Disconnect the power cord.
- 2 Gently wipe the surface using a clean, dry microfiber cloth. Use as little pressure as possible.

Cleaning Tough Marks and Smudges

To remove tough marks and smudges, please follow these steps :

- 1 Disconnect the power cord.
- 2 Spray a small amount of non-abrasive cleanser on a microfiber cloth.

 **Caution : Do not spray or apply any liquids directly onto the monitor. Always apply the solution to your microfiber cloth first, not directly on the parts you are cleaning.**

- 3 Gently wipe the surface. Use as little pressure as possible.
- 4 Wait until your monitor is completely dry before plugging it in and powering it up.

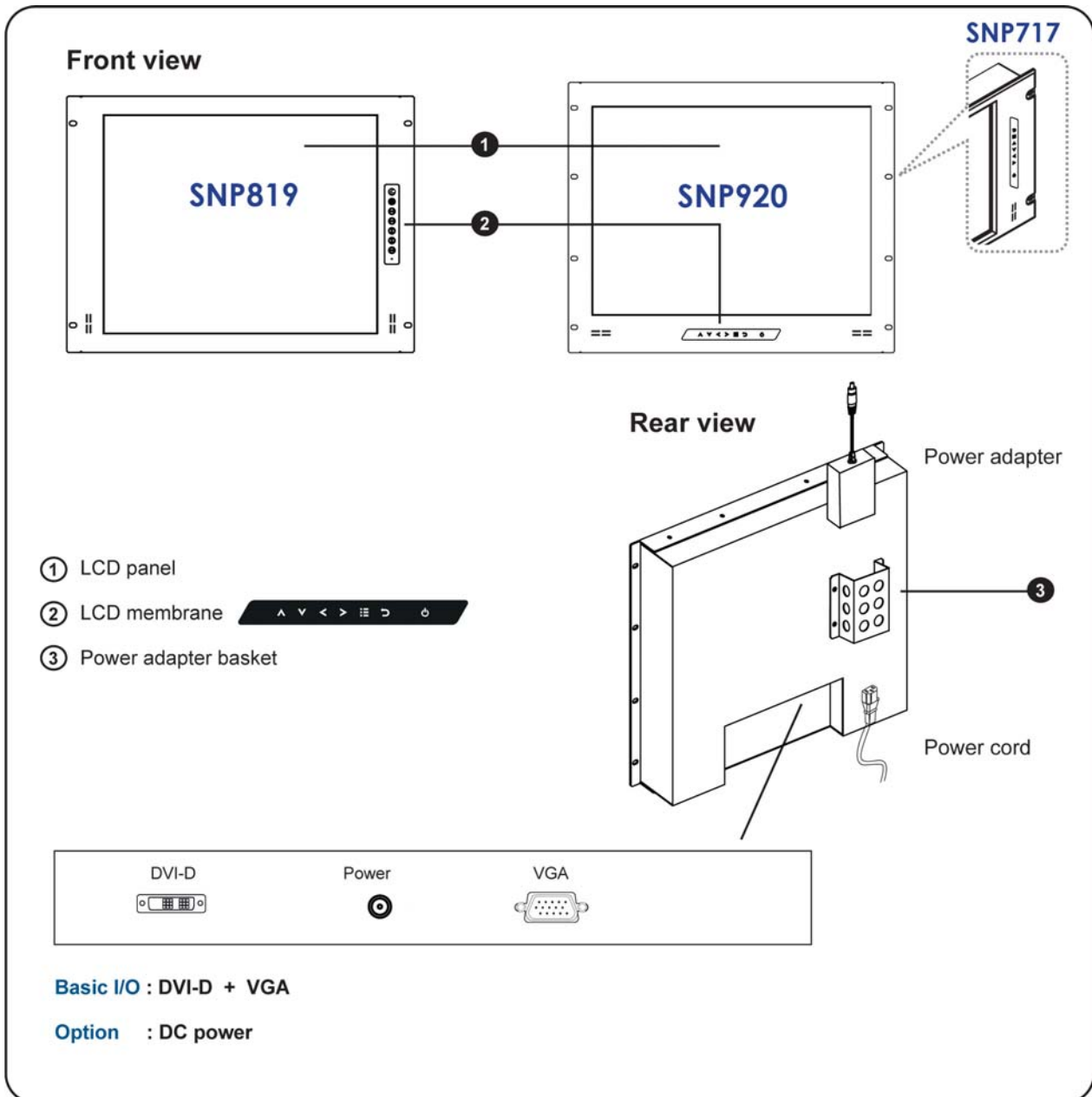
<Part 1 >
< 1.1 > Package Content

SNP717 / 819 / 920



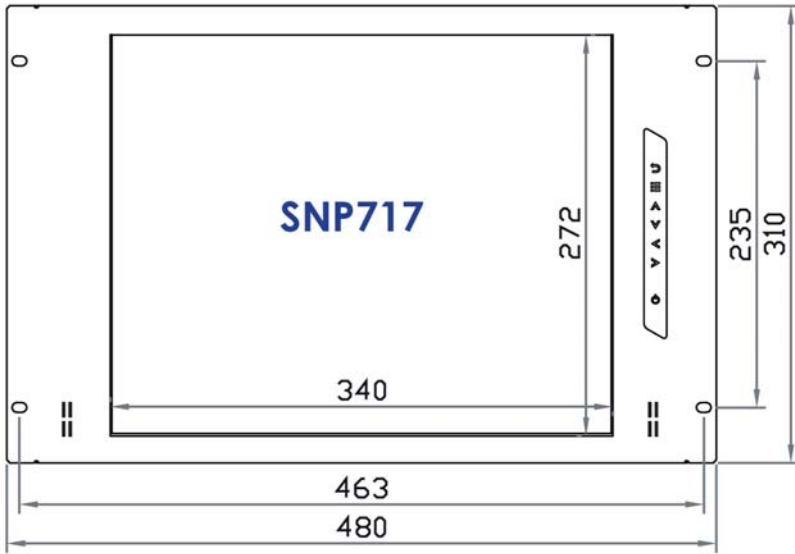
SNP717 or SNP819 or SNP920
X 1 6ft VGA cable X 1 Power
adapter X 1 Power cord X 1

< 1.2 > Structure Diagram

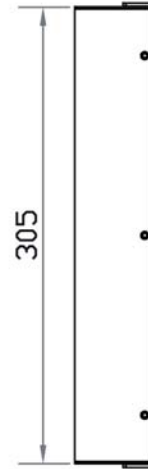


< 1.2 > Dimension - SNP717

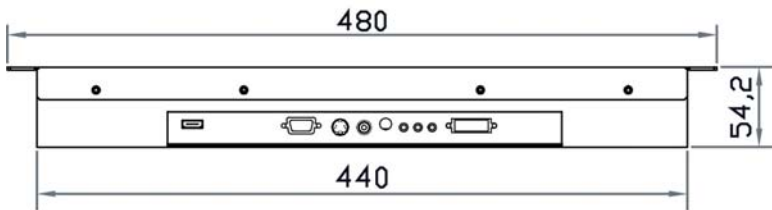
Front View



Side View



Bottom View



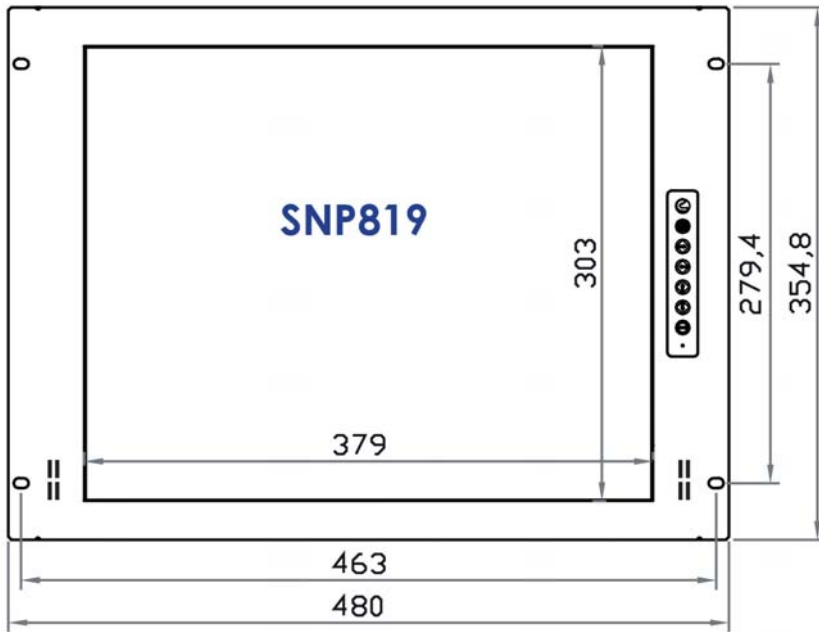
UNIT : mm
1mm = 0.03937 inch

Model	Product Dimension (W x D x H)	Packing Dimension (W x D x H)	Net Weight	Gross Weight
SNP717	480 x 54.2 x 310 mm 18.9 x 2.1 x 12.2 inch	529 x 124 x 495 mm 20.8 x 4.9 x 19.5 inch	6 kg 13 lbs	8.5 kg 19 lbs

< 1.2 > Dimension - SNP819

SNP717 / 819 / 920

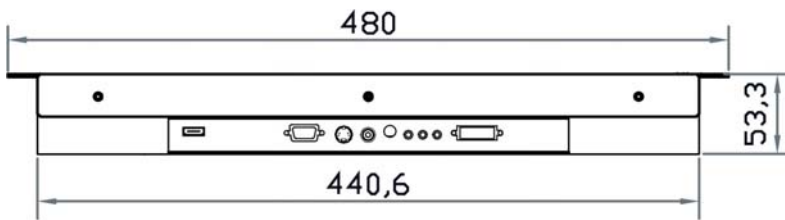
Front View



Side View



Bottom View

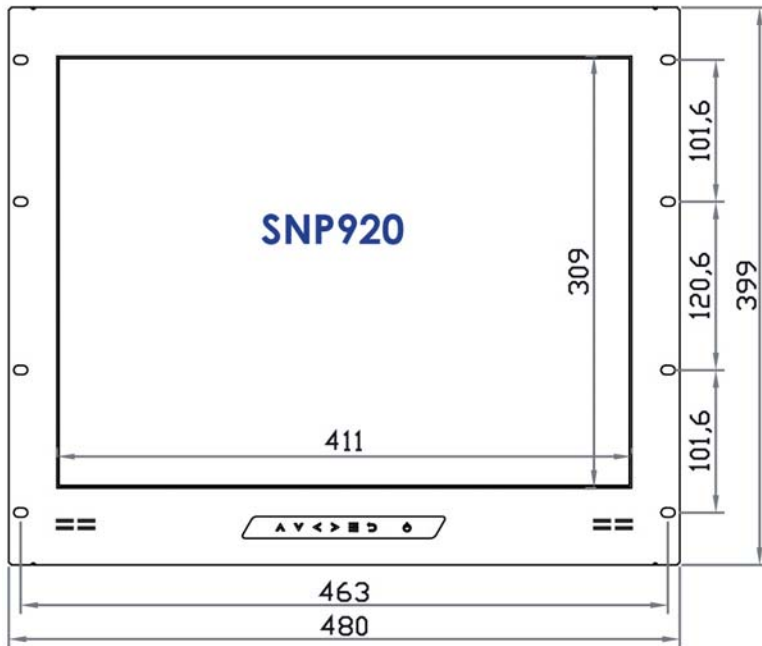


UNIT : mm
1mm = 0.03937 inch

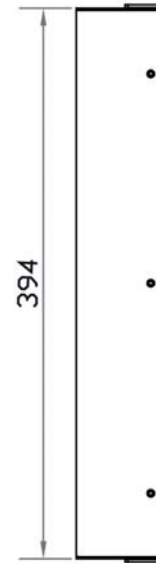
Model	Product Dimension (W x D x H)	Packing Dimension (W x D x H)	Net Weight	Gross Weight
SNP819	480 x 53.3 x 354.8 mm 18.9 x 2.1 x 14 inch	529 x 124 x 495 mm 23 x 4.9 x 20.8 inch	6.5 kg 14 lbs	9 kg 20 lbs

< 1.2 > Dimension - SNP920

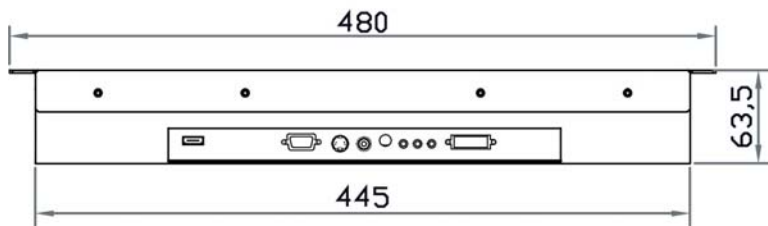
Front View



Side View



Bottom View

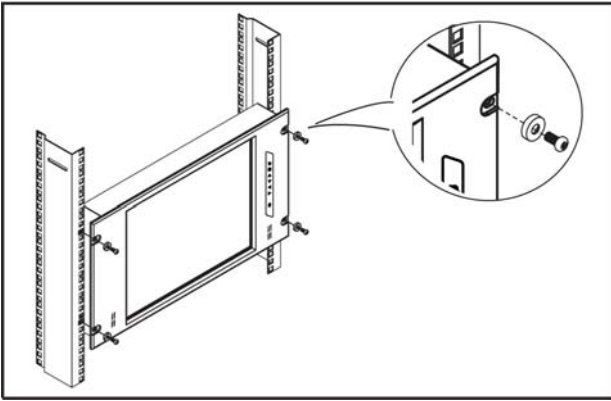


UNIT : mm
1mm = 0.03937 inch

Model	Product Dimension (W x D x H)	Packing Dimension (W x D x H)	Net Weight	Gross Weight
SNP920	480 x 63.5 x 399 mm 18.9 x 2.5 x 15.7 inch	583 x 124 x 529 mm 23 x 4.9 x 20.8 inch	8.5 kg 19 lbs	11 kg 24 lbs

< 1.3 > Installation

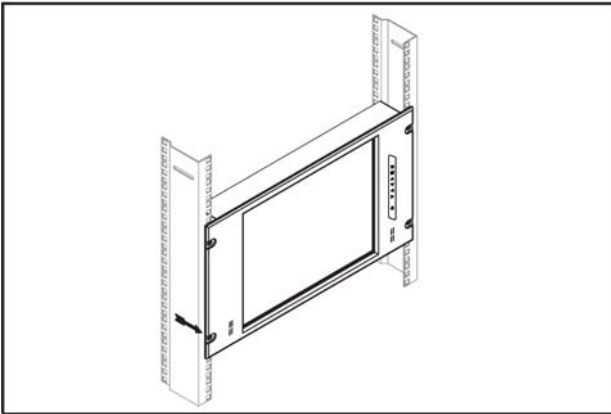
SNP717 / SNP819



Step 1

- Mount the display panel with M6 screw set.
- M6 screw x 4 pcs required (Left & right side).

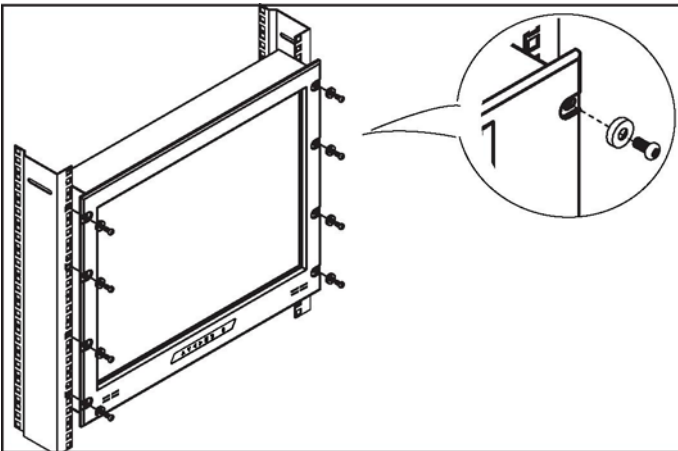
M6 screw sets are not provided.



Step 2

- Fix the LCD into the rack.

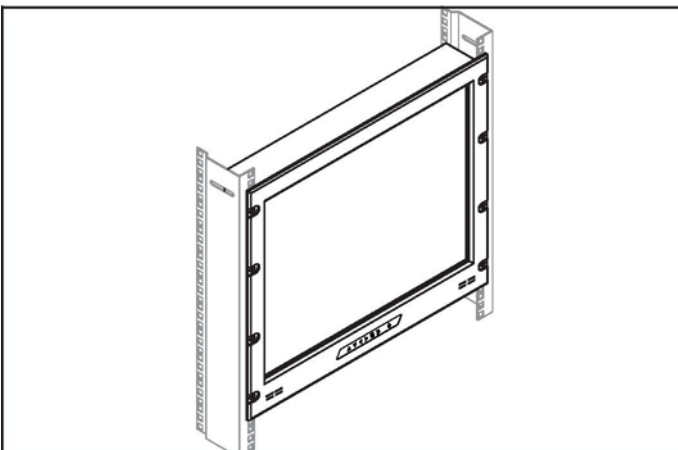
SNP920



Step 3

- Mount the display panel with M6 screw set.
- M6 screw x 8 pcs required (Left & right side).

M6 screw sets are not provided.



Step 4

- Fix the LCD into the rack.

<Part 2 >

< 2.1 > Product Specifications - SNP717 / SNP819

LCD Panel		SNP717	SNP819
	Manufacturer		AUO
Panel Size (diagonal)		17-inch TFT color LCD	19-inch TFT color LCD
Display pixel (dots x lines)		1152 x 900 (Direct)	1152 x 900 (Direct)
		1280 x 1024 (Native)	1280 x 1024 (Native)
Brightness (typ.)		250	250
Contrast Ratio (typ.)		1000:1	1000:1
Color		16.7 M	16.7 M
Viewing Angle (L/R/U/D)		80/80/80/80	85/85/80/80
Response Time (ms)		5	5
Dot pitch (mm)		0.264	0.294
Display Area (mm)		337.92H x 270.33V	376.32H x 301.06V
Surface treatment	Haze 25%, Hard-coating		
Surface hardness		3H	3H
Backlight Type		CCFL	LED
MTBF (hrs)		50,000	30,000

Video Connectivity	Digital	DVI	DVI-D, TMDS single link
	Analog	VGA	Analog 0.7Vp-p
	Plug & Play	DVI / VGA	VESA EDID structure 1.3
	Synchronization	VGA	Separate, Composite & SOG

Audio Connectivity	Audio Input	Connector	3.5mm stereo jack
		Impedance / Power level	30kQ / 750mV
	Audio Output	Connector	3.5mm stereo jack
		Resistance / Power level	30kQ / 2.8V
	Speaker Output	Power	2 x 2W

*When the audio output is connected, speaker output is OFF

Power	Power Supply	Range	Auto-sensing 100 to 240VAC, 50 / 60Hz
		Power Consumption	Screen display ON
	Power saving mode		4W or less
	Power button OFF		1W or less

Regulatory	Safety Approval	cUL, FCC & CE, RoHS
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SNP717 / 819 / 920

Environmental Conditions	Operating	Temperature	0 to 50°C degree
		Humidity	20~90%, non-condensing
	Storage	Temperature	-5 to 60°C degree
		Humidity	5~90%, non-condensing
		Shock	10G acceleration (11ms duration)
Vibration	5~500Hz 1G RMS random		

Physical Specification		SNP717	SNP819
	Product (W x D x H)		480 x 54.2 x 310 mm 18.9 x 2.1 x 12.2 inch
Packing (W x D x H)		529 x 124 x 495 mm 20.8 x 4.9 x 19.5 inch	529 x 124 x 495 mm 20.8 x 4.9 x 19.5 inch
Net Weight		6 kgs / 13 lbs	6.5 kgs / 14 lbs
Gross Weight		8.5 kgs / 19 lbs	9 kgs / 20 lbs

Applicable Format	DVI-D / VGA Input	PC Signal	1152 x 900 x 66Hz
			1280 x 1024 x 60 / 75Hz
			1280 x 960 x 60Hz
			1280 x 760 x 60 / 75Hz
			1152 x 864 x 75Hz
			1024 x 768 x 60 / 70 / 75Hz
			848 x 480 x 60Hz
			800 x 600 x 60 / 72 / 75Hz
			720 x 400 x 70Hz
			640 x 480 x 60 / 72 / 75Hz
			640 x 400 x 70Hz
640 x 350 x 70Hz			

<Part 2 >

< 2.1 > Product Specifications - SNP920

LCD Panel	Manufacturer	LG
	Panel Size (diagonal)	20-inch TFT color LCD
	Display pixel (dots x lines)	1152 x 900 (Direct)
		1600 x 1200 (Native)
	Brightness (typ.)	300
	Contrast Ratio (typ.)	800:1
	Color	16.7 M
	Viewing Angle (L/R/U/D)	89/89/89/89
	Response Time (ms)	16
	Dot pitch (mm)	0.255
	Display Area (mm)	408.00H x 306.00V
	Surface treatment	Anti-glare, Hard-coating
	Surface hardness	3H
	Backlight Type	CCFL
MTBF (hrs)	45,000	

Video Connectivity	Digital	DVI	DVI-D, TMDS single link
	Analog	VGA	Analog 0.7Vp-p
	Plug & Play	DVI / VGA	VESA EDID structure 1.3
	Synchronization	VGA	Separate, Composite & SOG

Audio Connectivity	Audio Input	Connector	3.5mm stereo jack
		Impedance / Power level	30kQ / 750mV
	Audio Output	Connector	3.5mm stereo jack
		Resistance / Power level	30kQ / 2.8V
	Speaker Output	Power	2 x 2W

*When the audio output is connected, speaker output is OFF

Power	Power Supply	Range	Auto-sensing 100 to 240VAC, 50 / 60Hz
	Power Consumption	Screen display ON	48W or less
		Power saving mode	4W or less
		Power button OFF	1W or less

Regulatory	Safety Approval	cUL, FCC & CE, RoHS
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SNP717 / 819 / 920

Environmental Conditions	Operating	Temperature	0 to 50°C degree
		Humidity	20~90%, non-condensing
	Storage	Temperature	-5 to 60°C degree
		Humidity	5~90%, non-condensing
		Shock	10G acceleration (11ms duration)
		Vibration	5~500Hz 1G RMS random

Physical Specification	Product (W x D x H)	480 x 63.5 x 399 mm 18.9 x 2.5 x 15.7 inch
	Packing (W x D x H)	583 x 124 x 529 mm 23 x 4.9 x 20.8 inch
	Net Weight	8.5 kgs / 19 lbs
	Gross Weight	11 kgs / 24 lbs






Applicable Format	DVI-D / VGA Input	PC Signal	1152 x 900 x 66Hz
			1600 x 1200 x 60Hz
			1400 x 1050 x 60Hz
			1440 x 900 x 60Hz
			1360 x 768 x 60Hz
			1280 x 1024 x 60 / 75Hz
			1280 x 960 x 60Hz
			1280 x 760 x 60 / 75Hz
			1152 x 864 x 75Hz
			1024 x 768 x 60 / 70 / 75Hz
			848 x 480 x 60Hz
			800 x 600 x 60 / 72 / 75Hz
			720 x 400 x 70Hz
			640 x 480 x 60 / 72 / 75Hz
			640 x 400 x 70Hz
640 x 350 x 70Hz			

< 2.2 > On-screen Display Operation (OSD)

SNP819



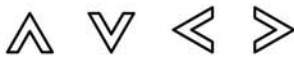

- Power light
- Green = On
- Orange = Power saving



Membrane Switch	Function
	Power on / off LCD
	Display the OSD menu
	Scrolls through menu options and adjusts the displayed control (To auto adjustment by pressing the button  for 5 seconds)
	Exit the OSD screen Toggle analog, digital & video connection (DVI-D and video options only)



SNP717 / SNP920








Membrane Switch	Function
	Turn the monitor on or off
	Display the OSD menu Act as an Enter key to select screen setting options
	Scroll through menu options and adjust the displayed control
	Exit the OSD screen Go back to the previous on-screen sub-menu or main menu

Remark : All LED touch buttons in **WHITE** light.

The LED of **Power**  touch button will flash continuously when there is no signal input.

- ① All the LED touch buttons will automatically turn off after 10 minutes of idle status (except the **Power** ).
- ② Light up all membrane buttons, please press any button for 1 - 2 seconds (except the **Power** ).

Ver: G56SN20SSTD701 1024 x 768 59.8Hz

Image

Brightness 50

Contrast 50

Color Temp User

Red 255

Green 255

Blue 255

OSD Configuration Page







Image:
for the brightness, contrast, color temp, red, green, and blue




Geometry:
for the auto adjust, H position, V position, phase and clock



Video:
for the colour, tint, sharpness, noise reduction, DCDi and TV Setup



Audio:
for volume, bass, treble, balance, AVL and mute

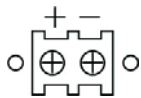


Misc:
for the language, OSD position, graphic mode, ratio, reset and timer

Adjust: ++ Select: ++ Set: ●/■ Exit: ↵

<Part 3 >

< 3.1 > Options : DC Power



Model	12V	24V	48V
Input rating			
Input voltage:	12-Volt	24-Volt	48-Volt
Input range:	9 ~ 18V	18 ~ 36V	36 ~ 75V
Input current			
- No load	50 mA	50 mA	50 mA
- Full load	4950 mA	2450 mA	1220 mA
Output rating			
Output voltage:	12-Volt	12-Volt	12-Volt
Output current:	4.16A	4.16A	4.16A
Efficiency			
	84%	85%	85%



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