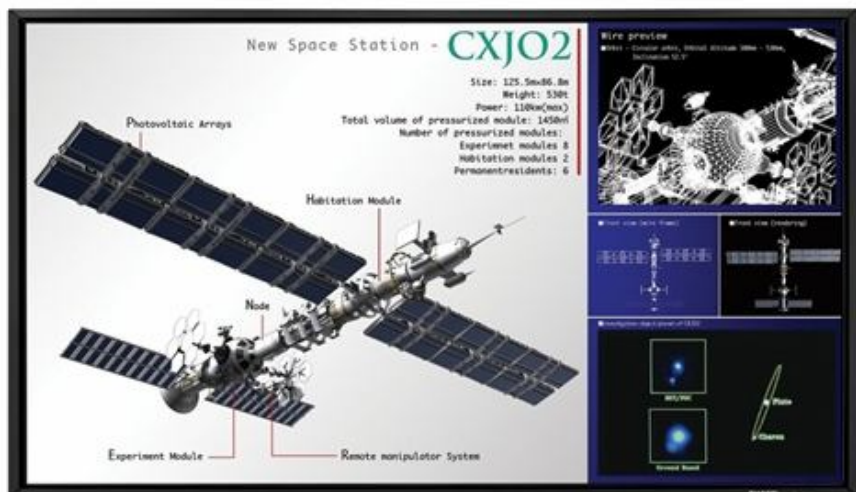


# SHARP PN-E521-XAXR

## Key Features



- 52" Class (52-1/16" Diagonal) Screen Size w/ Thin Bezel
- Full 1920 x 1080 Res. from Digital/Analog RGB & HD Video
- 500 cd/m<sup>2</sup> Brightness; 5000:1 Contrast Ratio
- Optional Expansion Board and Signage Controller PC
- Built-in 10W per Channel Stereo Audio System
- Compatible for 24/7 use in Landscape and Portrait Modes

<b>Basic Specifications</b>	
Screen Size Class	52" Class (52-1/16" Diagonal)
Bezel Width	25.5mm (left/right); 21.0 mm (top/bottom)
Native Display Resolution	1920 x 1080
Maximum Brightness	500 cd/m <sup>2</sup>
Landscape and Portrait Mode Operation	Yes
Certified for 24/7 Continuous Operation	Yes
Fan-Less Architecture	Yes
Audio	10W + 10W Stereo with built in speakers
LCD Type	UV <sup>2</sup> A LCD
Number of Colors (approx.)	1,064 Million
Contrast Ratio	5000:1
Aspect Ratio	16:9
Viewing Angle	176° H x 176° V (CR>=10)
Active Screen Area	45-3/8" W x 25-1/2" H
Frame Rate	60 Hz
Pixel Pitch	0.600 mm H x 0.600 V
Video System	NTSC (3.58 MHz; 4.43 MHz), PAL, PAL60, SECAM
Computer Input - Video	Analog RGB (0.7 Vp-p) [75-ohm], Digital (conforms to DVI 1.0 standards)
Computer Input - Synchronization	Horizontal / Vertical separation (TTL: positive/negative), Sync on green, composite sync (TTL: positive/negative)
Computer Input - Plug & Play	VESA DDC2B
Power Management	VESA DPMS, DVI DMPM
Response Time	6 ms (gray to gray, avg)
<b>Terminals</b>	
PC/AV Video Input	Analog mini D-sub 15-pin. DVI-D 24-pin HDCP Compatible (requires optional PN-ZB01); Analog 5-BNC (requires optional PN-ZB01; analog RGB and component are menu selectable).
PC/AV Audio Input	3.5 mm mini stereo jack
Video Input	Composite Video - BNC (requires optional PN-ZB01)
S-Video Input	5-Pin DIN (requires optional PN-ZB01)
Component Video	BNC (Y, Cb/Pb,Cr/Pr) (requires optional PN-ZB01; component video and analog RGB are

<b>Terminals</b>	
	menu selectable).
HDMI®	Yes - compatible for both PC and AV components
Audio (AV)	RCA pin (L/R) x 2 (requires optional PN-ZB01)
Computer Output	DVI-D 24-pin (HDCP compatible, PC/AV signal; requires optional PN-ZB01)
Audio Line Output	RCA pin (L/R) - selectable fixed or variable line output
Speaker Output	10W + 10W Stereo (6-ohms; requires optional PN-ZB01)
LAN Port	RJ-45 (requires optional PN-ZB01)
RS-232C	D-sub 9-pin
Power Output Connector	Yes - 19V
<b>Functions</b>	
Screen Adjustment	Auto (Clock, Phase, H-POS/V-POS) / Manual
Gain Control	Auto (Black level, Contrast) / Manual
Digital Scaling (expansion)	Yes (VGA/SVGA/XGA/SXGA -> 1920 x 1080)
Digital Scaling (compression)	1920 x 1200, 1600 x 1200
Main User Adjustments	Clock, Phase, H-POS/V-POS, Black level, Contrast; Color temp (15 steps preset + 5600K/9300K + User setting); Color mode (Standard/sRGB/Vivid); Gamma (1.8/2.0/2.2/2.4/User setting); Brightness, Volume, Audio (Treble/Bass/Balance), OSD-POS; Picture Adjustment (Tint, Color Intensity) [PC/AV mode]; R/G/B/Y/M/C independent adjustment [AV mode]
Information	Model No., Serial No. etc.
Real Time Clock Setting	Yes
Scheduling Function	Yes (time, day of the week)
All Reset	Yes
Reset	Screen/Picture/Audio adjustment setting, etc.
Adjustment Lock	YES (incl. Power button)
Daisy Chain (DVI-D)	Optional (PN-ZB01): max. 5 units (HDCP compliant)
Enlarge	Yes
Frame Width Adjustment	Yes
PinP / PbyP	Yes (PinP : 12 steps)
Power On Delay	1-60 seconds (with 1 second interval)
Audio Input Change	Yes
Picture Flip	No
Self Adjust	Yes (PC Analog Input)
Log Save / Output	Yes
Temperature Control	Yes
Hardware Diagnosis	Yes
Monitor Control Software Support	Yes
Web Browser Setting (LAN)	Optional (PN-ZB01)
E-Mail Notification	Optional (PN-ZB01)
SNMP	Optional (PN-ZB01)
Overscan Setting (AV Input)	Yes
Image Size Change Function	Yes
Resolution Change Function (PC analog)	Yes
RS-232C Communication Speed Change	Yes
Conversion of Stereo Audio to Monaural	Yes
Selection of Audio Input per image input	Yes

<b>Functions</b>	
Internal / External Speaker Select	Optional (PN-ZB01)
<b>Power</b>	
Power Consumption	265W; 260W (without audio input)
Standby Power Consumption	2.0W (standby mode in Standard), 0.8W (standby mode in Low Power)
Power Source	100 - 240V AC, 50/60 Hz
<b>Weight &amp; Dimensions</b>	
Dimensions	
Product Dimensions (wxhxd) (inches)	47-9/16" (W) x 4-3/16" (D) x 27-3/8" (H)
Package Dimensions (wxhxd) (inches)	55-29/32" (W) x 14-21/32" (D) x 32-29/32" (H)
Weight	
Net Product Weight (lbs.)	61.7 lbs.
Shipping Weight (lbs.)	79.4 lbs.
<b>Additional Specifications</b>	
UPC	74000046962
Tuner	None
Operating Temperature	0° C - 40° C
Operating Humidity	20% to 80% RH (no condensation)
Storage Temperature	-4 ~ 140° F (-20 ~ 60° C)
Limited Warranty	3-Year on-site. Covers parts, labor and backlight in both landscape and portrait mode operation.
Storage Temperature	UL 60950, FCC Class A
ENERGY STAR® Qualified	Yes
Mounting Configuration	VESA (6 points), 200 mm (7-7/8") pitch, M6 screws or VESA (4 points), 200 mm (7-7/8") pitch, M6 screw
Remote Control	Yes (wireless remote plus wired RJ-45 and RS-232C) (RJ-45 requires optional PN-ZB01)
Included Accessories	3-wire (grounded) power cord (approx. 10'), remote control with batteries (AA x 2), CD-ROM, operation manual, stand hole protection cover x 2, vertical sticker (operation panel), vertical sticker (logo), blank sticker, cable clamp x 2
Optional Input/Output Interface Board	Yes - PN-ZB01. Easily attaches to rear of display and adds DVI-D input/output, 5-BNC analog RGB input, composite video input, component video input, S-video input, stereo audio (RCA) input x 2, RJ-45 LAN display control, stereo speaker output (10W x 2, 6-ohms). UPC: 074000046986
Optional PC	Yes - PN-TPC1. Compact signage controller PC easily attaches to rear of display. Permits all-in-one digital signage package.
Compatible with SDSS™ Sharp Digital Signage Software (optional)	Yes. SDSS delivers content program creation, registration, scheduling and distribution of pre-scheduled information on Sharp PN series displays. Operates easily with user-friendly interface

Available at:  NETWORK Spectrum®

Call: 301-733-0657

Email: [sales@networkspectrum.com](mailto:sales@networkspectrum.com)

Other products available at:

[www.networkspectrum.com/gsaschedule/](http://www.networkspectrum.com/gsaschedule/)