

## Sharp "E" Series 1920 x 1080 24/7 Rated Professional LCD Display Monitors

MODEL		PNE421	PNE471	PNE521	PNE601	
Sales Start		Feb-10	Feb-10	Feb-10	Jan-10	
LCD panel	Size	42"	47"	52"	60"	
	Maximum resolution	1920 x 1080	1920 x 1080	1920 x 1080	1920 x 1080	
	Maximum No. of Colours	1,064 Million ( Quasi 10 bit )	1,064 Million ( Quasi 10 bit )	1,064 Million ( Quasi 10 bit )	1,064 Million ( Quasi 10 bit )	
	Dot Pitch	0.485mm	0.542mm	0.600mm	0.692mm	
	Maximum Brightness	700cd/m2	700cd/m2	500cd/m2	500cd/m2	
	Contrast	3,000 : 1	1,000 : 1	5,000 : 1	5,000 : 1	
	Viewing Angle	H 178 / V 178	H 178 / V 178	H 176 / V 176	H 176 / V 176	
	Response Time	8 ms ( Gray to Gray, Avg )	9 ms ( Gray to Gray, Avg )	6 ms ( Gray to Gray, Avg )	6 ms ( Gray to Gray, Avg )	
Bezel Width		19.5mm	19.5mm	Left/Right: 25.5mm, Top/Bottom:21.0mm	19.8mm	
Video System		NTSC (3.58MHz, 4.43 MHz )/PAL / PAL 60/ SECAM	NTSC (3.58MHz, 4.43 MHz )/PAL / PAL 60/ SECAM	NTSC (3.58MHz, 4.43 MHz )/PAL / PAL 60/ SECAM	NTSC (3.58MHz, 4.43 MHz )/PAL / PAL 60/ SECAM	
Terminal	IN	PC Analog ( D-sub)	Yes	Yes	Yes	Yes
		PC Analog ( BNC )	Optional ( PNZB01 )	Optional ( PNZB01 )	Optional ( PNZB01 )	Optional ( PNZB01 )
		DVD-D	Optional ( PNZB01 ); HDCP Compliant; PC/AV Signal	Optional ( PNZB01 ); HDCP Compliant; PC/AV Signal	Optional ( PNZB01 ); HDCP Compliant; PC/AV Signal	Optional ( PNZB01 ); HDCP Compliant; PC/AV Signal
		HDMI	Yes ( HDCP compliant, PC/AV input )	Yes ( HDCP compliant, PC/AV input )	Yes ( HDCP compliant, PC/AV input )	Yes ( HDCP compliant, PC/AV input )
		Composite Video ( BNC )	Optional ( PNZB01 )	Optional ( PNZB01 )	Optional ( PNZB01 )	Optional ( PNZB01 )
		Component ( BNC )	Optional ( PNZB01 )	Optional ( PNZB01 )	Optional ( PNZB01 )	Optional ( PNZB01 )
		S-Video	Optional ( PNZB01 )	Optional ( PNZB01 )	Optional ( PNZB01 )	Optional ( PNZB01 )
		Audio (3.5 mini)	Yes	Yes	Yes	Yes
	Video Audio (RCA)	Optional ( PNZB01 )	Optional ( PNZB01 )	Optional ( PNZB01 )	Optional ( PNZB01 )	
	Control	RS-232C	Yes	Yes	Yes	Yes
Control	LAN (RJ-45)	Yes	Yes	Yes	Yes	
Functions	Screen Adjustment		Auto ( Clock, Phase, H-Pos/V-Pos), Manual	Auto ( Clock, Phase, H-Pos/V-Pos), Manual	Auto ( Clock, Phase, H-Pos/V-Pos), Manual	Auto ( Clock, Phase, H-Pos/V-Pos), Manual
	Gain Control		Auto( Black Level, Contrast ) Manual	Auto( Black Level, Contrast ) Manual	Auto( Black Level, Contrast ) Manual	Auto( Black Level, Contrast ) Manual
	Digital Scaling (expansion )		Yes( VGA/SVGA/XGA/SXGA etc->1920x1080)	Yes( VGA/SVGA/XGA/SXGA etc->1920x1080)	Yes( VGA/SVGA/XGA/SXGA etc->1920x1080)	Yes( VGA/SVGA/XGA/SXGA etc->1920x1080)
	Digital Scaling (compression)		1920 x1200; 1600 x 1200	1920 x1200; 1600 x 1200	1920 x1200; 1600 x 1200	1920 x1200; 1600 x 1200
	Main User Adjustment		Clock, Phase, H-Pos/V-Pos,Black Level, Contrast	Clock, Phase, H-Pos/V-Pos,Black Level, Contrast	Clock, Phase, H-Pos/V-Pos,Black Level, Contrast	Clock, Phase, H-Pos/V-Pos,Black Level, Contrast
			Colour Temp ( 15 steps preset+5600K/9300K +User setting)	Colour Temp ( 15 steps preset+5600K/9300K +User setting)	Colour Temp ( 15 steps preset+5600K/9300K +User setting)	Colour Temp ( 15 steps preset+5600K/9300K +User setting)
			Colour Mode ( STD / sRGB/Vivid)	Colour Mode ( STD / sRGB/Vivid)	Colour Mode ( STD / sRGB/Vivid)	Colour Mode ( STD / sRGB/Vivid)
			Gamma ( 1.8/2.0/2.2/2.4/User Setting )	Gamma ( 1.8/2.0/2.2/2.4/User Setting )	Gamma ( 1.8/2.0/2.2/2.4/User Setting )	Gamma ( 1.8/2.0/2.2/2.4/User Setting )
			Brightness, Volume, Audio (Treble/Bass/Balance), OSD-POS	Brightness, Volume, Audio (Treble/Bass/Balance), OSD-POS	Brightness, Volume, Audio (Treble/Bass/Balance), OSD-POS	Brightness, Volume, Audio (Treble/Bass/Balance), OSD-POS
			Picture Adjustment ( Tint,Colour Intensity) PC/AV mode	Picture Adjustment ( Tint,Colour Intensity) PC/AV mode	Picture Adjustment ( Tint,Colour Intensity) PC/AV mode	Picture Adjustment ( Tint,Colour Intensity) PC/AV mode
			R/G/B/Y/M/C - independent Adjustment ( AV Mode )	R/G/B/Y/M/C - independent Adjustment ( AV Mode )	R/G/B/Y/M/C - independent Adjustment ( AV Mode )	R/G/B/Y/M/C - independent Adjustment ( AV Mode )
			Information	Model No., Serial No., etc	Model No., Serial No., etc	Model No., Serial No., etc
	Real Time Clock Setting		Yes	Yes	Yes	Yes
	Scheduling Function		Yes, ( Time, Day of the week )	Yes, ( Time, Day of the week )	Yes, ( Time, Day of the week )	Yes, ( Time, Day of the week )
	All Reset		Yes	Yes	Yes	Yes
	Reset		Screen/Picture/Audio adjustment setting, etc.	Screen/Picture/Audio adjustment setting, etc.	Screen/Picture/Audio adjustment setting, etc.	Screen/Picture/Audio adjustment setting, etc.
	Adjustment Lock		Yes, ( incl. Power Button )	Yes, ( incl. Power Button )	Yes, ( incl. Power Button )	Yes, ( incl. Power Button )
	Daisy Chain ( DVI-D )		Optional ( PNZB01 );max 5 units ( HDCP Compliant )	Optional ( PNZB01 );max 5 units ( HDCP Compliant )	Optional ( PNZB01 );max 5 units ( HDCP Compliant )	Optional ( PNZB01 );max 5 units ( HDCP Compliant )
Enlarge		Yes	Yes	Yes	Yes	
Frame Width Adjustment		Yes	Yes	Yes	Yes	
PinP / PbyP		Yes ( PinP - 12 steps )	Yes ( PinP - 12 steps )	Yes ( PinP - 12 steps )	Yes ( PinP - 12 steps )	

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Functions	Power on Delay	1-60 sec., ( with 1 sec., interval)	1-60 sec., ( with 1 sec., interval)	1-60 sec., ( with 1 sec., interval)	1-60 sec., ( with 1 sec., interval)	
	Auto Input Change	Yes	Yes	Yes	Yes	
	Picture Flip	No	No	No	No	
	Self Adjust	Yes( PC Analog Input )	Yes( PC Analog Input )	Yes( PC Analog Input )	Yes( PC Analog Input )	
	Log Save / Output	Yes	Yes	Yes	Yes	
	Temperature Control	Yes	Yes	Yes	Yes	
	Hardware Diagnosis	Yes	Yes	Yes	Yes	
	Monitor control Software Support	Yes	Yes	Yes	Yes	
	Web Browser Setting (LAN)	Optional ( PNZB01 )	Optional ( PNZB01 )	Optional ( PNZB01 )	Optional ( PNZB01 )	
	E-mail notification	Optional ( PNZB01 )	Optional ( PNZB01 )	Optional ( PNZB01 )	Optional ( PNZB01 )	
	SNMP	Optional ( PNZB01 )	Optional ( PNZB01 )	Optional ( PNZB01 )	Optional ( PNZB01 )	
	Overscan Setting ( AV input)	Yes	Yes	Yes	Yes	
	Image Size Change Function	Yes	Yes	Yes	Yes	
	Resolution Change Function	Yes	Yes	Yes	Yes	
	RS232C Communication Speed Change	Yes	Yes	Yes	Yes	
	Conversion of Stereo sound to Mono	Yes	Yes	Yes	Yes	
	Selection of Audio input per image input	Yes	Yes	Yes	Yes	
	Internal/External Speaker switching	Yes	Yes	Yes	Yes	
	Power Output Connector	Yes	Yes	Yes	Yes	
	24/7 continuous Operation	Yes	Yes	Yes	Yes	
Integrated Speakers	Yes ( 10W + 10W )	Yes ( 10W + 10W )	Yes ( 10W + 10W )	Yes ( 10W + 10W )		
Operation Button ( Front )	Power / Input	Power / Input	Power / Input	Power / Input		
Mounting Method	VESA 6 Points 200mm / 4 points 200mm	VESA 6 Points 200mm / 4 points 200mm	VESA 6 Points 200mm / 4 points 200mm	VESA 6 Points 200mm / 4 points 200mm		
Landscape / Portrait Operation	Yes	Yes	Yes	Yes		
Fan-Less Architecture	Yes	Yes	Yes	Yes		
Power Supply	100-240V AC 50/60Hz	100-240V AC 50/60Hz	100-240V AC 50/60Hz	100-240V AC 50/60Hz		
Power Consumption	Default	w sound	200W	230W	265W	400W
		wo sound	195W	225W	260W	395W
	In case of 700cd/m <sup>2</sup>	w sound	225W	260W	-	-
		wo sound	220W	225W	-	-
	Input Signal Waiting Mode	2W	2W	2W	2W	
Stand by Mode	standard	2W	2W	2W	2W	
	low - power	0.8W	0.8W	0.8W	0.8W	
Acquisition of Energy Star Certificate		Revised Energy Star ( 1/30/2010 )	Revised Energy Star ( 1/30/2010 )	Revised Energy Star ( 1/30/2010 )	Revised Energy Star ( 1/30/2010 )	
Environmental		Temp Oper. 0°C-40°C	Temp Oper. 0°C-40°C	Temp Oper. 0°C-40°C	Temp Oper. 0°C-40°C	
		Humidity Oper. 20%~80%RH	Humidity Oper. 20%~80%RH	Humidity Oper. 20%~80%RH	Humidity Oper. 20%~80%RH	
Dimensions ( Display Only )		38.3" (W) X 4.96"(D) X 22.28"(H)	42.63" (W) X 4.37"(D) X 24.72"(H)	47.55" (W) X 4.17"(D) X 27.36"(H)	54.09" (W) X 4.4"(D) X 31.33"(H)	
Weight		48.5 lbs	56.21 lbs	61.72 lbs	77.16 lbs	
Packing Dimensions		43.30" (W) X 10.39"(D) X 27.71"(H)	48.81" (W) X 11.02"(D) X 31.10"(H)	55.90" (W) X 14.64"(D) X 32.91"(H)	62.20" (W) X 14.99"(D) X 36.69"(H)	
Temporary Stand		No	No	No	No	
Accessories Included		AC Power Cord, Remote Controller, Batteries, CD-Rom, Operation Manual,	AC Power Cord, Remote Controller, Batteries, CD-Rom, Operation Manual,	AC Power Cord, Remote Controller, Batteries, CD-Rom, Operation Manual,	AC Power Cord, Remote Controller, Batteries, CD-Rom, Operation Manual,	

Sharp Electronics of Canada Ltd.  
 Digital Communication Solutions Group  
 335 Britannia Rd., E., Mississauga, Ontario  
 L4Z 1W9  
 For more info call: 1-800-56-SHARP ( 1-800-567-4277 )  
[www.sharp.ca](http://www.sharp.ca)