



PlasmaSync™ 42VP4

Combining both public and multimedia display functions with superior image quality to answer your various business needs.

- DIGITAL ACCUDEVICE
- MASS (MASS AREA SUPERIOR SAMPLING TECHNOLOGY)
- 4096 STEP GAMMA-12
- INDUSTRY-HIGHEST CONTRAST LEVELS IN BRIGHT LIGHT OF 130:1
- BUILT-IN 4 OR 9 MULTI SCREEN DIVIDING FUNCTION
- NO.1 LOW POWER CONSUMPTION (AS OF SEPTEMBER, 2002)
- 853 X 480 PIXEL RESOLUTION



PlasmaSync 42VP4 provides a clear answer to the diverse needs of your business presentations.

Thanks to an advanced digital signal processing LSI, the PlasmaSync 42VP4 realizes even higher image quality for both public and multimedia display purposes.

New Technology "Digital AccuDevice" & "MASS Technology"

The newly developed digital signal processing LSI comprises 3 separate LSI to deliver high-definition, jitter-free images. Its 1-chip Digital Video Decoder fully converts analog video signals to digital in order to reduce distortion. The I/P LSI, featuring Mass Area Sampling Progressive Scanning Technology, then smoothes jagged lines and corrects color bleeds to create clear stable color images. Finally, the Scaling LSI selects the ideal input signal resolution so that images are displayed smoothly and text is easy to read.

Industry's *highest contrast level

Color Revising Technology lets you adjust the colors on display to the tone of your choice. Coupled with the industry's highest contrast levels in bright light of 130:1, your presentations will appear better than expected. *in bright light room

Ideal PD(public display) functions

Built-in screen dividing functions and loop-through terminals let you create a 4 or 9 multi screen system. With added functions such as Auto ID, Auto Brightness and PLE Selection set up is easy and image consistency assured.

"Gamma-12" presents you excellent dark scene detail

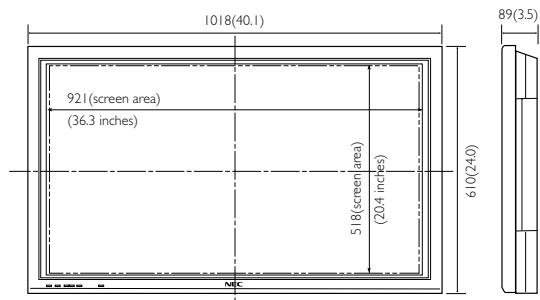
Gamma-12 and 9-bit conversion technology -- featuring an industry-leading 4096 shades of gray -- reproduce distinctively clearer dark scenes and reduce distortion for much smoother images.

No.1 ecological design

Power consumption 270W is the lowest in the industry. (As of September, 2002)

Other features

PlasmaSync 42VP4 also features: 4 modes to easily adjust color temperature, a 24-hour weekly timer for power on/off to decrease phosphor burn, a remote-control digital zoom of up to 900% of any area on the screen, 5 modes for phosphor burn reduction including PLE lock, Screen wiper, Reverse, Orbiter and All white, and advanced OSM and so on.



units are in mm (inches)

Specifications

Product Name	PlasmaSync™42VP4 Plasma Monitor
Product Code	PX-42VP4 A/G, PX-42VP4D A/G(AG filter model)
Screen Size	921(H)×518(V)mm 36.3(H)×20.4(V)inches diagonal 1057 mm diagonal 42inches
Aspect Ratio	16 : 9
Resolution	853(H)×480(V)pixels
Pixel Pitch	1.08(H)×1.08(V)mm 0.04(H)×0.04 (V)inches
Color Reproduction	256levels, 16,770,000colors
Signals	
Synchronization Range	Horizontal : 15.5 to 110kHz (automatic: step scan) Vertical : 50.0 to 120.0Hz (automatic: step scan)
Input Signals	RGB(VGA,*SVGA,*XGA,*SXGA,*UXGA / W-VGA,W-XGA) / NTSC(3.58/4.43) / PAL(B, G, M, N) / PAL60 / SECAM / HD*/ DVD*/ DTV*
Input Terminals	
RGB	
RGB 1(Analog)	mini D-sub 15-pin×1 (Share with RGB1 output, Selectable)
RGB 2(Analog)	5BNC×1 (Y/Pb(Cr) / Pr(Cr) input of 5BNC and common use, Selectable)
RGB 3(Digital)	(Digital) DVI-D 24-pin×1 (Not compatible with analog input)
Video	
Video 1	BNC×1 (Share with Video1 output, Selectable)
Video 2	RCA-pin×1
Video 3	S-Video/DIN 4pin×1
HD/DVD/DTV	
HD/DVD/I	RCA-pin(Y, Pb(Cb), Pr(Cr))×1
DTV 2	5BNC×1(RGB input of 5BNC and common use, Selectable)
Audio	Stereo RCA×3(selectable)
External Control	D-sub 9-pin×1 (RS-232C)
Wired Remote	3P plug
Output Terminals	
Wired Remote	3P plug
Video(Visual)*	BNC×1(Share with Video1 input, selectable)
RGB or Y /Pb(Cb) /PR(Cr) (Visual)*	mini D-sub 15-pin×1(Share with RGB1 input,Selectable) *In the case of Video wall, Loop through can be used for less than four plasma monitors. For keeping high picture quality,signal dividing distributor is recommended.
Audio output power	
Speaker	8W+8W(6)
Current Rating	A : 3.7A(maximum) G : 4.5A(maximum)
Power Sources	A : AC 120V 50/60Hz G : AC 100 to 240V 50/60Hz
Power Consumption	270W(typical)
Dimensions	1018(W)×610(H)×89(D)mm (without stand) 40.1(W)×24.0(H)×3.5(D)inches (without stand) 1018(W)×675(H)×400(D)mm (with stand) 40.1(W)×26.6(H)×15.8(D)inches (with stand)
Weight	28.5 Kg(without stand) 62.8 lbs(without stand) 30.5 Kg(with stand) 67.2 lbs(with stand)
Front Panel User Controls	Power SW(on/off), Input select SW(Exit), Volume(up/down), Menu/Enter, left, right
Remote Control Function	Power(ON / OFF), Input Select(Video,DVD / HD,RGB / PC), Volume(Up / Down), Mute, Wide, Display, Off timer, Menu/Enter, Exit, Cursor(Up, Down, Left, Right), Pointer, Zoom(Up / Down), Auto Adjust, ID Select, Clear
OSM Function	Picture(Contrast / Brightness / Sharpness / Color / Tint / Color temperature / White Balance / Picture mode / Noise Reduction(NR) / Gamma / Low tone / Color Tune), Audio(Bass / Treble / Balance / Audio input), Image adjust(V-Position / H-Position / V-Height / H-Width / Fine picture / Picture adjustment / Auto Picture(ON / OFF) / Aspect Mode), Option1(OSM / BNC input / D-sub input / RGB select / HD select / Input skip / All reset), Option2(Power management(ON / OFF) / Cinema mode / Long life / Gray level) , Option3(Timer / Power on mode / Control lock / IR remote/ Loop out(ON / OFF) / ID number / Video wall), Advanced OSM, Language(*), Color system, Source info (* English, German, French, Italian ,Spanish, Swedish, Chinese(simple only)
Regulations	A : UL Approved(UL 60950/CSA 60950) DOC Canada Requirements Meets FCC class A Requirements G : Meets class A Requirements(EN55022, EN61000-3-2, EN61000-3-3, EN55024) Meets Low Voltage Directive(EN60950, SEMKO Approved) Meets AS/NZS 3548 Class A
Environmental Consideration	
Operation	
Temperature	0 °C to 40 °C / 32 °F to 104 °F
Humidity	20 to 80% (no condensation)
Altitude	0 to 2800m / 0 to 9180feet
Storage	
Temperature	-10 °C to 50 °C / 14 °F to 122 °F
Humidity	10 to 90% (no condensation)
Altitude	0 to 3000m / 0 to 9840 feet
Accessories	Remote controller with two AAA batteries, Power code, User's Manual, Safety metal fittings, Screw for safety metal fittings, Ferrite cores, bands, Cable clamps
Other Features	Motion compensated 3D Scan Converter (NTSC, PAL, 480i, 576i, 525i, 625i, 1035i, 1080i), 2-3 pull down Converter (NTSC, 480i, 525i, 1035i, 1080i), 2-2 pull down Converter(PAL, 576i, 625i,NTSC, 480i, 525i), Digital Zoom Function (100-900% Selectable), Video Wall-2x2/3x3 multi screen, Self Diagnosis, Anti Image Burn(PLE LOCK1~3, INVERSE, WHITE, ORBITER(Auto I, 2/Manual), SCREEN WIPER), Color Temperature select (high/mid/low/low, user has 4 memories), Control lock (Except power SW), Auto Picture, Input Skip, Color Tune, Low Tone(3 mode), Auto ID, Programmable Timer, Gamma Correction (4 models)

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www.plasmasync.com

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