

PlasmaSync™ 42VP4

Introducing new 42" Product Line Up

- True Public Display PlasmaSync 42VP4D
- Exclusive Multimedia PlasmaSync 42VP4
- Distinctive Silver Bezel Multimedia PlasmaSync 42VP4/S
- Industry leading in picture performance
- Unique vibrant colours attributed to patented filters
- The lowest power consumption level in the industry
- Built-in 3x3 video-wall capability
- Fanless



PlasmaSync 42VP4 family provides a clear answer to the all your diverse needs.

This latest generation of PlasmaSync 42VP4 family pushes the industry standard of picture performance to extremes especially in Public and Multimedia display applications.

Public Display PDP PlasmaSync 42VP4D

In the market of Public Displays the demands on PDP technology are quite challenging. The 42VP4D takes all these challenges head on, thanks to a multitude of technological advances from NEC. The most key attribute that stands out is the high quality picture performance in ambience environment. It is quite unfair to pick on any one particular aspect; the 42VP4D has improvements in every aspect of picture quality demands. All this together with the lowest power consumption of 270 Watts and a weight of 28.5kg makes this an ideal product for Public Display Applications – also for vertical operation (portrait applications). The 42VP4D comes standard with the industry's only Accu Crimson and CCF filter. But to make the 42VP4D even more in tune with the Public Display demands we have added an Anti Glare filter. And as the name suggests this filter removes any possible glare, whilst keeping the best picture quality. In addition to this the 42VP4D for video-wall applications comes with a built in splitter feature for 2x2 or 3x3 applications.

Multimedia Display PDP PlasmaSync 42VP4

This model is ideal for all applications apart from Public Display. Features such as Flicker Free, Digital Zoom, Colour Memory, Input Skip and incorporating no fans make it the most convenient for all operations. Significant advances have been achieved in every device and process from the input of signal to the actual picture display. It accepts a wide host of input signals up to UXGA. The PlasmaSync 42VP4 is equipped with the latest high performance picture reproduction technology that is visible in vibrant colours and the depth of the greyscales. The Multimedia model also comes standard with the industry's only Accu Crimson and CCF filter. But to make the 42VP4 even more in tune an Anti Reflection filter is added.

Silver Bezel Multimedia PDP PlasmaSync 42VP4/S

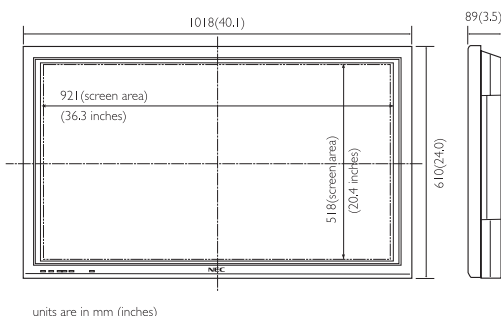
And for those who may want to exhibit the design flare, the Multimedia model also comes in a silver powdered finish.

Ecological design

Power consumption 270W is the lowest in the industry.

Other features

PlasmaSync 42VP4 also features: 4 modes to easily adjust colour 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.



Specifications

Product Name	PlasmaSync™ 42VP4 Plasma Monitor
Versions	42VP4 dark grey bezel, AR filter 42VP4/S silver bezel, AR filter 42VP4D dark grey bezel, AG filter
Screen Size	921 (H) x 518 (V) mm diagonal 1057 mm
Aspect Ratio	16:9
Resolution	853 (H) x 480 (V) pixels
Pixel Pitch	1.08 (H) x 1.08 (V) mm
Colour Reproduction	256 levels, 16,770,000 colours
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 x 1 (Share with RGB 1 output, selectable)
RGB 2 (Analog)	5BNC x 1 (Y/Pb/Cr)/Pr(Cr) input of 5BNC and common use, selectable)
RGB 3 (Digital)	DVI-D 24-pin x 1 (Not compatible with analog input)
Video	
Video 1	BNC x 1 (Share with Video 1 output, selectable)
Video 2	RCA x 1
Video 3	S-Video: DIN 4-pin x 1
HD/DVD/DTV	
HD/DVD/1	RCA (Y, Pb/Cb), Pr(Cr) x 1
DTV 2	5BNC x 1 (RGB input of 5BNC and common use, selectable)
Audio	Stereo RCA x 3 (selectable)
External Control	D-sub 9-pin x 1 (RS-232C)
Wired Remote	3P plug
Output Terminals	
Wired Remote	3P plug
Video (Visual)*	BNC x 1 (Share with Video 1 input, selectable)
RGB or Y/Pb/Cb)/PR(Cr) (Visual)*	mini D-sub 15-pin x 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	8W+8W (6Ω)
Current Rating	4.5A (maximum)
Power Sources	AC 100 to 240V 50/60Hz
Power Consumption	270W (typical)
Dimensions	1018 (W) x 610 (H) x 89 (D) mm (without stand) 1018 (W) x 675 (H) x 400 (D) mm (with stand)
Weight	28.5kg (without stand), 30.5kg (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/Colour/Tint/Colour temperature/White Balance/Picture mode/Noise Reduction (NR)/Gamma/Low tone/Colour 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), Option 1 (OSM/BNC input/D-sub input/RGB select/HD select/Input skip/All reset), Option 2 (Power management (ON/OFF)/Cinema mode/Long life/Grey level), Option 3 (Timer/Power on mode/Control lock/IR remote/Loop out (ON/OFF)/ID number/video-wall), Advanced OSM, Language (*), Colour system, Source info (*) English, German, French, Italian, Spanish, Swedish, Chinese (simple only)
Regulations	Meets EMC Directive (EN55022 Class A), 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
Humidity	20 to 80% (no condensation)
Altitude	0 to 2800 m
Storage	
Temperature	-10 °C to 50 °C
Humidity	10 to 90% (no condensation)
Altitude	0 to 3000 m
Accessories	Remote controller with two AAA batteries, Power code, User's Manual, RGB cable (mini D-sub), Safety metal fittings
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 (Auto1,2/Manual), SCREEN WIPER), Colour Temperature select (high/mid/mid low/low, user has 4 memories), Control lock (Except power SW), Auto Picture, Input Skip, Colour Tune, Low Tone (3 mode), Auto ID, Programmable Timer, Gamma Correction (4 modes)

PlasmaSync and OSM are trademarks of NEC Corporation. IBMPC/AT and VGA are registered trademarks of International Business Machines, Inc. The plasma display panel consists of fine picture elements (cells). Although NEC produces these plasma display panels with more than 99.99 percent of their cells active, there may be some cells that do not produce light or remain lit after they should have turned off. Light output of a PDP module gradually decreases over long-term use. Do not display static images for prolonged periods; otherwise a phosphor burn may appear on a part of the panel. Phosphor burns are not covered by the warranty. Status February 2003. Specifications may change without notice.

For further information, please contact:

www.plasmasync.com