a **view** from all
angles

the shops of
Winst

the shops of
Winst

the shops of
Winston

PlasmaSync®
42VP4 and **42VP4D**

Empowered by Innovation   **NEC**

Whatever the angle, clear images give you a clear advantage

Stop them in their tracks!

NEC's new 42" Public Display Series PlasmaSync monitors draw your audience right into your message and command their attention. Super bright images, pure reds and saturated colors combined with built in stereo audio make sure your message is always loud and clear no matter what your environment or your angle. In areas with direct lighting an anti-glare filter on the 42VP4D keeps images vibrant and contrast high while the 42VP4 features an anti-reflective filter for areas with controlled lighting. Either way, the view will be picture perfect every time.

A sleek new design with cable management system, programmable timer and portrait capability make them the perfect choice for any public environment. No matter how you look at it, the new 42" Public Display Series gives you a clear opportunity to get their attention and sell!

42VP4, Anti-Reflective (AR) filter

42VP4D, Anti-Glare (AG) filter

digital AccuDevice

MASS (Mass Area Superior Sampling Technology)

industry-lowest power consumption

20% brighter

cable mangement

programmable timer

motion compensated 3D scan conversion

3/2 pull down

The 42VP4D features an anti-glare filter which diffuses direct light sources. Image is easy to see under even severe lighting conditions

The 42VP4 features an anti-reflective filter for controlled lighting situations. Provides a sharp and crisp image.

superior image no matter how you view it

The 42 Public Display Series offers wide VGA native resolution to give your ideas more power and clarity than ever. The monitor 's wide VGA panel provides a sharp, crisp display of high-resolution text and graphics and its progressive scan driving method offers stable, flicker-free images. Advanced AccuBlend scan conversion provides high quality scaling for non-native resolutions signals. And sophisticated video signal processing, including motion-compensated 3D scan conversion and 3/2 pull down processing, delivers smooth, lifelike video. NEC 's patented Capsulated Color Filter ensures realistic color and it's further enhanced by AccuCrimson technology for the purest reds possible.

connect every which way

Connect to multiple sources from video to HD to RGB. Signal loop-out capability allows a source to easily be looped from one monitor to the next allowing you to connect 4 displays without the use of an external DA*.

suit your style with portrait or landscape

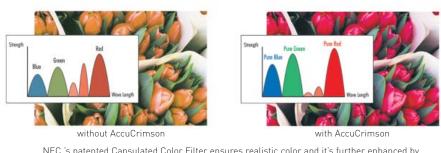Depending on your needs, you can display in either portrait or landscape orientation.

matrixing simplified

The built-in matrix gives you greater flexibility by allowing you to arrange the monitors in a 2x2 (84") or 3x3 (126") matrix without an external processor. The Auto ID feature allows the setup of the matrix to be simpler. The repeat timer allows two different matrix settings, creating a self running demo.

capsulated color filter

without AccuCrimson

with AccuCrimson

NEC 's patented Capsulated Color Filter ensures realistic color and it's further enhanced by AccuCrimson technology for the purest reds possible.

orientation

portrait positioning

landscape positioning

special features

digital AccuDevice and MASS technology for smooth lines

The newly developed Digital AccuDevice, delivers jitter free images and reduces distortion. MASS technology smooths jagged lines and corrects color bleeds for clear stable color images and easy-to-read text.

save your screen with AccuShield phosphor protection

Your screen stays protected from image retention with the most comprehensive set of built in modes including programmable Orbiter, Inverse RGB, All-White, Pixel Refresh and Brightness Limiter.

your message gets heard

No need to purchase and attach a separate audio component to your monitor. The built in stereo amplifier provides 8W x 8W making sure your message is loud and clear.

convenient and sleek

The cabinet design allows for a small form PC to be attached solving the problem of source equipment location. A cable management system allows you to achieve a clean appearance without costly enclosures.

fanless design for quiet operation

The 42VP4 and 42VP4D features a fanless design in both portrait and landscape for silent operation no matter what environment it is in.
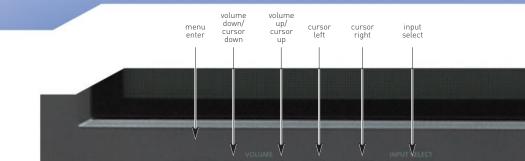
virtually self-operating

A programmable timer can be set up to virtually operate itself by setting power on/off, changing inputs and selecting AccuShield modes.

ecological design

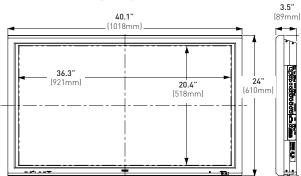Power consumption 275W is the lowest in the industry.
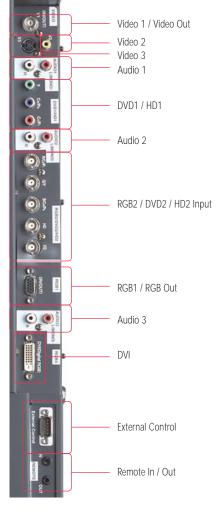
external control and self diagnostics

A complete set of RS232 commands allow monitor functions to be operated remotely via serial communications. In addition, operating problems can be identified and communicated via RS232 or front bezel LED lights through its self diagnostics system.

on screen menu

AccuShield showing inverse RGB function

adjustment capabilities

menu enter | volume down/ cursor down | volume up/ cursor up | cursor left | cursor right | input select

PlasmaSync
42VP4 and 42VP4D

40.1"
(1018mm)

3.5"
(89mm)

36.3"
(921mm)

20.4"
(518mm)

24"
(610mm)

- Video 1 / Video Out
- Video 2
- Video 3
- Audio 1
- DVD1 / HD1
- Audio 2
- RGB2 / DVD2 / HD2 Input
- RGB1 / RGB Out
- Audio 3
- DVI
- External Control
- Remote In / Out

Service and Support

The PlasmaSync 42VP4 and 42VP4D are supported by NEC's industry leading service and support programs. It comes with a standard 1-year manufacturer's warranty plus an extended warranty option that provides two additional years of coverage and is available from your authorized NEC Visual Systems Division dealer.

Specifications

Model Number	PX-42VP4A / PX-42VP4DA	
Diagonal Screen Size	42"	
Screen Aspect Ratio	16 to 9	
Active Screen Area	921mm x 518 mm	
Native Pixel Resolution	853 vertical dots x 480 horizontal rows	
Pixel Pitch	1.08 mm square	
Front Filter Type	AR - Anti-reflective (PX-42VP4A)	
	AG - Anti-glare (PX-42VP4DA)	
Color Processing	(4096 steps) 68.7 billion colors	
Viewing Angle	160 degrees	
Horizontal Frequency Range	15.5 to 110.0 kHz auto, step scan	
Vertical Frequency Range	50 to120 Hz auto, step scan	
PC Signal Compatibility	VGA 640x480 @ 60,72,75,85,100, 120 Hz	
	SVGA 800x600 @ 56, 60, 72,75,85,100,120 Hz	
	XGA 1024x768 @ 60,70,75, 85, 100 Hz	
	SXGA 1280x1024 @ 60, 75, 85, 100 Hz	
	UXGA 1600x1200 @ 60, 65, 70, 75, 85 Hz	
	WideVGA 848x480, 852 x 480 @ 60 Hz	
	WideXGA 1360 x 765 @60 Hz	
Macintosh Compatibility	640x480, 832x624, 1024x768, 1152x870	
Video Signal Compatibility	PAL, SECAM, 3.58/4.43 NTSC	
HD Video Signal Compatibility	480p 480i, 525p, 525i, 540p, 625p, 625i, 720p,1035i, 1080i	
Input Terminals	RGB 1 (analog)	15-pin mini D-sub (common use with RGB out, selectable)
	RGB 2 (analog)	5 BNC (RGB/HV) (common use with 5BNC Y/Pb/Pr input, selectable)
	RGB 3 (digital)	29-pin DVI (digital only)
	Video 1	Composite BNC x 1 (common use with video out, selectable)
	Video 2	Composite RCA x 1
	Video 3	S-Video 4-Pin DIN
	HD Video 1	1 set RCA Component (Y,Pb,Pr/Y,Cb,Cr)
	HD Video 2	1 set BNC Component (Y,Pb,Pr/Y,Cb,Cr)
		(common use with 5BNC Y/Pb/Pr input,selectable)
	Audio	3 sets RCA stereo + external speaker jacks
Output terminals	RGB (analog)	15 PIN mini D-sub (common use with RGB1, selectable)
	Video	Composite BNC (common use with Video1, selectable)
Audio	Internal amplifier, 8W x 2 output power	
External Control	9-pin mini D-Sub, RS232	
User Controls	Direct Access	Power on/off, input selection, volume up/down, OSM access, (Control Lock Switch located on input panel)
	Remote Control	Power on/off, input select, volume, mute, wide, display, off-timer, OSM control, cursor, pointer, zoom, auto, select
	OSM	**Picture** - Contrast, brightness, sharpness, color, tint, color temperature, white balance, picture mode, noise reduction, gamma, low tone and color tune
		Audio - bass, treble, balance and audio input
		Image Adjust - aspect ratio mode, vertical position, horizontal position, vertical height, horizontal width, fine picture, picture adjust, auto picture
		Option 1 - OSM on/off, BNC Input, D-sub Input, RGB select, HD select, Input Skip, All Reset
		Option 2 - Pwr. Management, Cinema Mode, Long Life Mode
		Option 3 - Timer, Pwr. On mode, Control Lock, IR Remote, Loop Out, ID Number, Video Wall
		Advanced OSM, Language, Color System, Source Information
Plug & Play	DDC1, DDC2B (RGB3 is DDC2B only)	
Power Requirements	120V 50/60 Hz	
Power Consumption	275 W Typical, 3.7 Amp Maximum	
Standby Power	0.9W	
Dimensions (WxHxD) -	40.1 x 24.0 x 3.5 inches, 1018 x 610 x 89mm (without base)	
Weight	28.5 kg, 62.8 lbs. (without tabletop stand)	
Environmental Considerations	Operating Temperature	32 - 104 degrees F (0 - 40 degrees C)
	Operating Humidity	20 - 80%
	Operating Altitude	0 - 9180 feet (0 - 2800m)
	Storage Temperature	14 - 122 degrees F (-10 - 50 degrees C)
	Storage Humidity	10 - 90%
	Storage Altitude	0 to 9840 feet (0 - 3000m)
Warranty	1 Year Parts & Labor Standard	
Regulatory	FCC Class A, UL1950, CSA950	
Included Accessories	AC Power Cord, User Manual, Remote Control, Batteries, Cable Clamps	
Optional Accessories	Tabletop Stand	PX-ST1U
	Attachable Speakers	PX-42SP1U
	Terminal Cover	PX-CV1U
	Fixed Wall Mount	FWMK
	Tilt Wall Mount	TWMK
	Ceiling Mount	CMK
	Fixed Wall Mount for PC	FWMKPC
	Tilit Wall Mount for PC	TWMKPC
	Ceiling Mount for PC	CMKPC

*Signal DA is required for sending a signal to more than 4 monitors simultaneously.