Specifications

<table>
<thead>
<tr>
<th>Feature</th>
<th>PX-42VP4A / PX-42VP4DA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diagonal Screen Size</td>
<td>42&quot;</td>
</tr>
<tr>
<td>Screen Aspect Ratio</td>
<td>16 to 9</td>
</tr>
<tr>
<td>Active Screen Area</td>
<td>921mm x 518 mm</td>
</tr>
<tr>
<td>Native Pixel Resolution</td>
<td>853 vertical dots x 480 horizontal rows</td>
</tr>
<tr>
<td>Pixel Pitch</td>
<td>1.08 mm square</td>
</tr>
<tr>
<td>Front Filter Type</td>
<td>AR - Anti-reflective (PX-42VP4A)</td>
</tr>
<tr>
<td></td>
<td>AG - Anti-glare (PX-42VP4DA)</td>
</tr>
<tr>
<td>Output color</td>
<td>256 RGB levels, 16.7 million colors</td>
</tr>
<tr>
<td>Horizontal Frequency Range</td>
<td>15.5 to 110.0 kHz auto, step scan</td>
</tr>
<tr>
<td>Vertical Frequency Range</td>
<td>50 to 120 Hz auto, step scan</td>
</tr>
<tr>
<td>PC Signal Compatibility</td>
<td>VGA 640x480 @ 60,72,75, 85, 100 Hz</td>
</tr>
<tr>
<td></td>
<td>SVGA 800x600 @ 56, 60, 72, 75, 85, 100 Hz</td>
</tr>
<tr>
<td></td>
<td>XGA 1024x768 @ 60, 70, 75, 85 Hz</td>
</tr>
<tr>
<td></td>
<td>SXGA 1280x1024 @ 60, 70, 75, 85 Hz</td>
</tr>
<tr>
<td></td>
<td>UXGA 1600x1200 @ 60, 75, 85 Hz</td>
</tr>
<tr>
<td>Macintosh Compatibility</td>
<td>640x480, 832x624, 1024x768, 1152x870</td>
</tr>
<tr>
<td>Video Signal Compatibility</td>
<td>PAL, SECAM, 3.58/4.43 NTSC</td>
</tr>
<tr>
<td>HD Video Signal Compatibility</td>
<td>480p 480i, 525p, 525i, 540p, 625p, 625i, 720p, 1035i, 1080i</td>
</tr>
<tr>
<td>Input Terminals</td>
<td>RGB 1 (analog) 15-pin mini D-sub (common use with RGB out, selectable)</td>
</tr>
<tr>
<td></td>
<td>RGB 2 (analog) 5 BNC (RGB/HV) (common use with 5BNC Y/Pb/Pr input, selectable)</td>
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<tr>
<td></td>
<td>RGB 3 (digital) 29-pin DVI (digital only)</td>
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<tr>
<td></td>
<td>Video 1 Composite Y, C (RGB)</td>
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<tr>
<td></td>
<td>Video 2 Composite Y, C (RGB)</td>
</tr>
<tr>
<td></td>
<td>Video 3 Composite Y, C (RGB)</td>
</tr>
<tr>
<td></td>
<td>HD Video 1 Y, C (RGB)</td>
</tr>
<tr>
<td></td>
<td>HD Video 2 Y, C (RGB)</td>
</tr>
<tr>
<td></td>
<td>HD Video 3 Y, C (RGB)</td>
</tr>
<tr>
<td></td>
<td>Audio 3 sets RCA stereo</td>
</tr>
<tr>
<td></td>
<td>Audio 1 sets RCA stereo</td>
</tr>
<tr>
<td></td>
<td>Audio 2 sets RCA stereo</td>
</tr>
<tr>
<td>Output Terminals</td>
<td>RGB (analog) 15 PIN mini D-sub (common use with RGB1, selectable)</td>
</tr>
<tr>
<td></td>
<td>Video Composite BNC (common use with Video1, selectable)</td>
</tr>
<tr>
<td></td>
<td>Audio Internal amplifier, 8W x 2 output power</td>
</tr>
<tr>
<td></td>
<td>External Control 9-pin mini D-Sub, RS232</td>
</tr>
<tr>
<td>User Controls</td>
<td>Direct Access Power on/off, input selection, volume up/down, OSM access, (Control Lock Switch located on input panel)</td>
</tr>
<tr>
<td>Remote Control</td>
<td>Power on/off, input select, volume, mute, audio, display, off timer, OSM control, source, picture, zoom, auto, select</td>
</tr>
<tr>
<td>OSM</td>
<td>Picture - contrast, brightness, color, tint, color temperature, white balance, picture mode, noise reduction, gamma, low tone and color tune</td>
</tr>
<tr>
<td></td>
<td>Audio - bass, treble, balance and audio input</td>
</tr>
<tr>
<td></td>
<td>Image Adjust - Reset ratio mode, vertical position, horizontal position, vertical height, horizontal width, line picture, picture adjust, auto picture</td>
</tr>
<tr>
<td>Options</td>
<td>Option 1 - OSM on/off, BNC Input, D-sub Input, RGB select, HD select, Input Skip, All Reset</td>
</tr>
<tr>
<td></td>
<td>Option 2 - Pwr. Management, Cinema Mode, Long Life Mode</td>
</tr>
<tr>
<td></td>
<td>Option 3 - Timer, Pwr. On mode, Control Lock, IR Remote, Loop Out, ID Number, Input Standby Modules, Advanced OSM, Language, Color System, Source Information</td>
</tr>
<tr>
<td></td>
<td>Plug &amp; Play DDC1, DDC2B (RGB3 is DDC2B only)</td>
</tr>
<tr>
<td>Power Requirements</td>
<td>120V 50/60 Hz</td>
</tr>
<tr>
<td>Power Consumption</td>
<td>275 W Typical, 3.7 Amp Maximum</td>
</tr>
<tr>
<td>Stainlss Steel</td>
<td>120° F (50° C)</td>
</tr>
<tr>
<td>Environmental Conditions</td>
<td>Operating Temperature: 32 - 104 degrees F (0 - 40 degrees C)</td>
</tr>
<tr>
<td></td>
<td>Operating Humidity: 20 - 90%</td>
</tr>
<tr>
<td></td>
<td>Operating Altitude: 0 - 9180 feet (0 - 2800m)</td>
</tr>
<tr>
<td></td>
<td>Storage Temperature: 14 - 122 degrees F (-10 - 50 degrees C)</td>
</tr>
<tr>
<td></td>
<td>Storage Humidity: 10 - 90%</td>
</tr>
<tr>
<td></td>
<td>Storage Altitude: 0 to 9840 feet (0 - 3000m)</td>
</tr>
<tr>
<td>Warranty</td>
<td>1 Year Parts &amp; Labor Standard</td>
</tr>
<tr>
<td>Compliance</td>
<td>NEC is a registered trademark of NEC Corporation. All other trademarks are the property of their respective owners. All specifications subject to change without notice.</td>
</tr>
<tr>
<td>Included Accessories</td>
<td>AC Power Cord, User Manual, Remote Control, Batteries, Cable Clamp</td>
</tr>
<tr>
<td>Optional Accessories</td>
<td>Table Stand, Tilt Wall Mount, Terminal Cover, Attachable Speakers, Remote Control, Batteries, Cable Clamp</td>
</tr>
</tbody>
</table>

For more information, call (800) NEC-INFO or visit www.necvisualsystems.com

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NEC Solutions (America), Inc.
Visual Systems Division
1200 Arlington Heights Rd., Suite 500
Itasca, IL 60143-1248

Support and Service

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.

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NEC Solutions (America), Inc.
Visual Systems Division
1200 Arlington Heights Rd., Suite 500
Itasca, IL 60143-1248
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!

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.

superior image no matter how you view it

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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.

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 bleeding 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 of 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.
Whatever the angle, clear images give you a clear advantage.

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

**42VP4, Anti-Reflective (AR) filter**
- 42VP4D, Anti-Glare (AG) filter
- digital AccuDevice
- MASS (Mass Area Superior Sampling Technology)
- Industry-lowest power consumption
- 20% brighter color management
- Programmable timer
- Motion compensated 3D scan conversion
- 3/2 pull down

Superior image no matter how you view it

The 42 Public Display Series offers wide VOG 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.

**Connecting 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 6 displays without the use of an external DA*
- Signal loop-out capability allows a source to easily be looped from one monitor to the next
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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 bleed 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.

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

**Special features**

- AccuShield showing inverse RGB function
- Digital AccuDevice and MASS technology
- 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.
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PlasmaSync®
42VP4 and 42VP4D

Service and Support

The PlasmaSync® 42VP4 and 42VP4D are supported by NEC's industry leading service and support programs. It comes with a standard 3-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" (921mm)

**Screen Aspect Ratio**: 16 to 9

**Active Screen Area**: 36.3" (921mm) x 20.4" (518mm)

**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 to 120 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,Ch) (common use with 5BNC Y/Pb/Pr input, selectable)
- Audio 1 Composite RCA stereo  + external speaker jacks
- Audio 2 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

**Remote Control**:

- Power on/off, input select, volume, mute, wide, display, off-timer, OSM control, cursor, pointer, zoom, auto, select

**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 selection, volume, mute, display, off-timer, OSM control, cursor, pointer, zoom, auto, select

**OEM**:

- 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, Remote 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 Amps 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
- Serial Cover PS-C6U
- Tiltable Wall Mount TWMK
- Ceiling Mount CMK
- Fixed Wall Mount FWMKPC
- Tilt Wall Mount for PC TWMKPC
- Tilt Wall Mount for PC FWMKPC
- 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, 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
- OSM Audio - bass, treble, balance and audio input
- OSM Image Adjust - aspect ratio mode, vertical position, horizontal position, vertical height, horizontal width, fine picture, picture adjust, auto picture
- OSM Option 1 - OSM on/off, BNC Input, D-sub Input, RGB select, HD select, Input Skip, All Reset
- OSM Option 2 - Pwr. Management, Cinema Mode, Long Life Mode
- OSM Option 3 - Timer, Pwr. On mode, Control Lock, IR Remote, Loop Out, ID Number, Remote Wall
- Advanced OSM, Language, Color System, Source Information

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

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