

JVC[®]
PROFESSIONAL

42-INCH PLASMA DISPLAY MONITOR

GD-V4210PZW

High-Resolution, Flat Plasma Monitor Delivering Bright,
High-Contrast Pictures with Wide Viewing Angle



- Superb Video Picture Quality
- 700:1 Contrast Ratio
- Super Bright Picture (350 cd/m²)
- 16.77 Million Colors/256 Levels
- Wide Viewing Angle (160 Degrees)

- Wall/Ceiling Mountable
- RS-232C Interface
- S-VGA/XGA Compatible
- Various Set-Up Capabilities

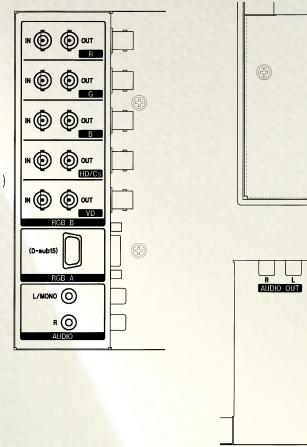
Multi-purpose Monitor Sensation — Ultra-bright, High-contrast, Vivid Color



JVC's plasma monitors have wowed users since they were first launched. Visually striking, with their astonishingly thin, flat design, yet it's the picture quality they deliver from a wide viewing angle that's really captured people's imagination. The new GD-V4210PZW takes their evolution to the next stage. Plasma technology reproduces pictures with a contrast ratio of 700:1 and exceptional color clarity. Pictures so bright (350 cd/m²) they can be viewed outdoors or under strong artificial light. The 42" diagonally measured display, with its flat screen and zero distortion, has adjustable aspect ratios from 4:3 to 16:9 — all from a unit that's just 3.5 inches deep. Powerful features include full multimedia and DTV compatibility. Installation couldn't be more flexible. You can hang it on a wall, suspend it from a ceiling, or embed it in a console. So it's not surprising the GD-V4210PZW represents the pinnacle of monitor development for applications ranging from multimedia presentations and video posters to displaying real-time text and image information. The GD-V4210PZW — a vision of the future.



Rear Panel



■ Color Clarity

The new GD-V4210PZW assigns 256 values to each red, green, and blue component of each pixel to display over 16.77 million colors and utilizes advanced technology to prevent orange light generation and ensure pure red, green, and blue emissions. These features, together with black-stripe processing of cell partitions and an exclusive JVC-developed filter, make possible color reproduction with the clarity and fidelity of true photographic quality and the generation of graphics with exceptionally rich tones.

■ Contrast Ratio — 700:1

The GD-V4210PZW comes with sophisticated circuitry that enhances its contrast ratio to 700:1, making it the leader in its class. For the viewer, that means crystal sharp pictures which seem to leap out of the screen. Besides creating an eye-catching display, high contrast offers special advantages when displaying detailed tables of alphanumeric characters — such as a rail or airline schedule. So, viewers can read spreadsheets of information instantly. It also reduces eye fatigue among users who spend long periods tracking alphanumeric information on a screen, whether industrial production statistics or stock and currency exchange rate quotes.

■ Actual Brightness — 350 cd/m²

Brightness has also received a strong boost compared to conventional levels. Delivering bright pictures of 350 cd/m², the GD-V4210PZW outperforms conventional models. Brighter images further extend the monitor's applications to outdoor use in strong sunlight and indoor locations where the ambient light level is unusually high.

■ Operational Versatility

To ensure long-term, reliable operation of the plasma display, JVC has added special display maintenance functions.

● Pixel shift

When activated via the On-screen Display (OSD), the picture is periodically shifted by about one centimeter in each of the four diagonal directions. This diffuses the fatigue of the high-brightness portion of the picture to achieve a relative reduction of the fatigue.

● Refresh mode

When activated via the OSD, a built-in signal generator generates a signal to give an all-white screen picture,

which is displayed over the entire screen. The difference in the degree of fatigue per pixel is equalized by displaying an all-white picture on the entire screen (The display of white is achieved through the equal use of R, B, and G.).

● Color reverse

When activated via the OSD, complementary colors for the input video colors are displayed in a similar manner to the negative-positive reversal where, for example, if blue (B) is displayed, a supplemental color (yellow = R+G) is displayed to equalize the total degree of fatigue of all the cells, which keeps the color generation equal when there is display color variance or color emission. Even when the text information or still images are displayed during the show event for a long time, the fatigue of cells is reduced. Similar to the Refresh Mode, the total degree of fatigue of all cells is equalized by adding complementary colors to each cell.

■ XGA Compression

The GD-V4210PZW is XGA compatible for high-resolution graphics. And, because XGA is compatible with a non-interlaced monitor like the GD-V4210PZW, users enjoy the added benefit of a flicker-free display.

■ Flexible and Easy Adjustment

JVC has provided its plasma display with an array of unique functions that support a wide range of applications. An on-screen menu makes it easy for the user to choose the best settings for a particular operating environment. The color temperature can be preset at two selective values: 6500°K (LOW) and 9300°K (HIGH). The user can also adjust the color temperature within the range between 3000 and 10000°K, especially beneficial in broadcast studio environments which utilize live plasma displays within their set design. For example, setting the GD-V4210PZW to 3200°K allows studio cameras shooting with 3200°K filters to faithfully reproduce the vivid range of colors our plasma display is capable of displaying. Picture size and position are individually adjustable in both directions (vertical and horizontal) to match the video signal input. For the High Definition signal input, which is becoming increasingly popular, the picture size can be preset for two types of signal: 1035i and 1080i.

■ Powerful Features from Plasma Technology

The GD-V4210PZW has important features only a plasma display can deliver.

- Flat display eliminates distortion, and with a viewing angle of 160° from any direction, images can be clearly seen from anywhere in a room.
- Flicker-free display, this non-interlace system uses every scanning line of the display, unlike a CRT, which uses every other line. The benefits are virtually zero eye fatigue, even when viewing the monitor for long periods.
- Immune to electromagnetic fields, the plasma monitor is not affected by the noise that affects conventional monitors, and so can be used for a wider range of applications.

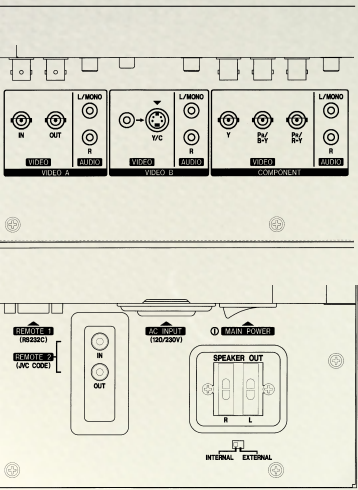
Together, these key features open up a wide range of demanding assignments in environments where other monitors cannot operate successfully.

■ Remote Control Unit

GD-V4210PZW offers a remote control unit.

■ GD-V4211PCE

GD-V4211PCE is an EMC Class B compatible model and is ideal for use in demanding environments including personal or home cinema use.



Specifications

■ DISPLAY PANEL	
Screen size (W x H)	36-3/8 x 20-1/2 inches/921 x 518.4 mm (wide 42-inch diagonal)
Aspect ratio	16:9 wide (width-to-height ratio of screen) 4:3/16:9 selectable
Viewing angle	160°
Display colors	16,777,216 (RGB each of 256 levels)
Resolution (H x V)	640 x 480 (4:3) 853 x 480 (16:9) S-VGA: 800 x 600 (Displayed at 640 x 480) XGA: 1024 x 768 (Displayed at 640 x 480)
No. of pixels	Horizontal 853 x Vertical 480 pixels
Display modes	
Regular (4:3)	4:3 video image displayed in center of screen
Full/Panoramic (16:9)	Displays wide horizontal expansion of 4:3 VGA video image for full-screen display
Zoom (16:9)	Overall expansion of 4:3 video image for full-screen display (top and bottom of image are cut)
Input connectors	
Video A	Composite BNC connectors x 2, 1 V(p-p), 75 ohms negative sync., auto-termination, bridged output possible
Video B	Composite RCA pin x 1, 1 V(p-p), 75 ohms negative sync., auto-termination
	YC mini-DIN 4 pin x 1 Y: 1.0 V(p-p), 75 ohms, negative sync. C: 0.286 V(p-p), 75 ohms (NTSC Burst) : 0.3 V(p-p), 75 ohms (PAL Burst)
	Component Y: 1.0 V(p-p), 75 ohms, negative sync., BNC x 1 PB/B-Y: 0.7 V(p-p), 75 ohms, BNC x 1 PR/R-Y: 0.7 V(p-p), 75 ohms, BNC x 1
Video system	NTSC/NTSC 4.43/PAL/SECAM
RGB A	D-sub 15 pin (3-row) x 1 Video signal: 0.7 V(p-p) Sync signal: 1.0 V(p-p) — 5.0 V(p-p), high impedance
RGB B	BNC x 10, 5 for bridged output R: 0.7 V(p-p), 75 ohms G: 0.7 V(p-p), 75 ohms, Sync. On G: 1.0 V(p-p) B: 0.7 V(p-p), 75 ohms HD/CS: 1.0 V — 5.0 V(p-p), high impedance VD: 1.0 V — 5.0 V(p-p), high impedance
Audio input	Video A: RCA pin x 2 (L/R) 500 mVrms Video B: RCA pin x 2 (L/R) 500 mVrms Component: RCA pin x 2 (L/R) 500 mVrms PC: RCA pin x 2 (L/R) 500 mVrms
Weight	79 lbs./35.8 kg
■ GENERAL	
Power requirement	120 V AC/230 V AC, 50/60 Hz
Power consumption	3.5 A (120 V AC)/1.9 A (230 V AC)
Audio power outputs	Internal: 2 W + 2 W (typical at impedance 8 ohms) External: 3 W + 3 W (typical at impedance 6 ohms)
Operating environment conditions	
Temperature range	32°F to 104°F (0°C to +40°C)
Humidity range	20% to 90%, non condensation

Optional Accessories



TS-C420P1W

Stand Unit (Vertical Position)
Dimensions (W x H x D):
19-11/16 x 23-15/16 x 27-9/16 inches (500 x 607.2 x 700 mm)



Stand Unit (Horizontal Position)

Dimensions (W x H x D):
27-9/16 x 15-3/16 x 17-13/16 inches (700 x 384.6 x 452 mm)



TS-C420P2W

Wall Mounting Unit
Mounting Angle: 0°, 5°, 10°, 15°
Dimensions (W x H x D):
19-1/2 x 20-7/8 x 1-7/8 inches (494 x 529 x 47 mm)*



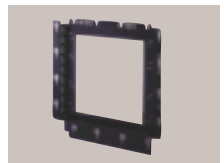
TS-C420P3W

Ceiling Suspension Unit
Mounting Angle: 0°, 10°, 20°
Dimensions (W x H x D):
22-1/2 x 17-3/4 x 6-1/2 inches (570 x 450 x 165 mm)*



TS-C420P5W

Stand Unit
Dimensions (W x H x D):
22-5/8 x 8-15/16 x 14 inches (574 x 226 x 330 mm)



TS-C420P6W

Wall Mounting Unit
Dimensions (W x H x D):
Mounting Angle: 0°
22-1/2 x 22-11/16 x 1-7/8 inches (570 x 576 x 47 mm)*

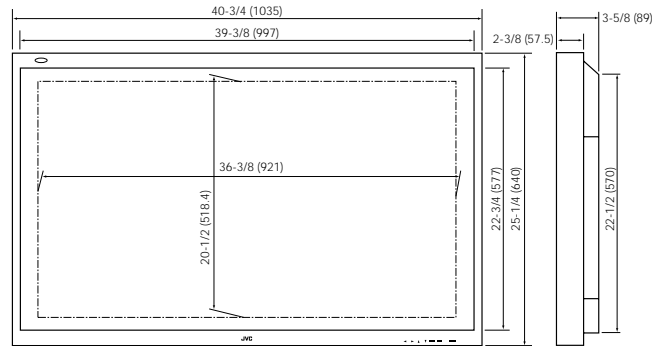
*At the mounting angle 0°.

Caution:

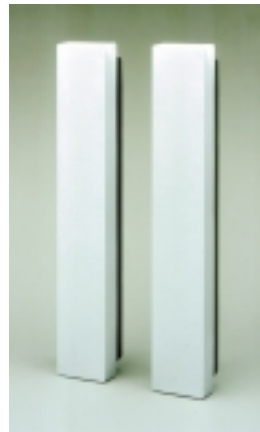
■ PDP is an ultra modern electronic device fabricated using leading-edge technology. Therefore, its effective picture elements are 99.99 percent or more, meaning 0.01 percent or less defective elements or "always ON" portion could exist. ■ Screen burn-in: Like a CRT, PDP uses phosphor; therefore, burn-in could result from long-term use such as displaying the same still picture.

Dimensions

Unit: inches



Speaker System (Option)



Slim Wall-Mounted Speaker System

Specifications

Rated input	8 W
Nominal impedance	6 ohms
Dimensions	3-15/16 x 24-1/16 x 3-9/16 inches (100 x 610 x 89 mm)
Weight	4.7 lbs./2.1 kg (each)
Operating conditions	Temperature: 32°F to 104°F (0° to 40°C) Humidity: 20% to 80%, no condensation

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ICN-0237