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
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.
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.

Contract 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 schedules 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 individually 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. 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. This keeps the color generation equal when there is display color variance or color emission. Even when the test 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-interlace 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. On 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 use every other line. The benefits are virtually zero eye fatigue, even when viewing the monitor for long periods.
  - **Remote Control Unit**: GD-V4211PCE offers a remote control unit.
  - **GD-V4211PCE**: GD-V4211PCE is an EM Class B compatible model and is ideal for use in demanding environments including personal or home cinema use.

Flexible and Easy Adjustment
Users who spend long periods tracking alphanumeric information on a screen, whether industrial production schedules or stock and currency exchange rate quotes, enjoy the added benefit of a flicker-free display. When activated via the OSD, complementary colors for the input video colors are displayed in a similar manner to the negative-positive reversal. 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. This keeps the color generation equal when there is display color variance or color emission. Even when the test 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.

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### Display Panel
- **Screen size (W x H)**: 36-3/8 x 20-1/2 inches (921 x 518.4 mm)
- **Diagonal**: 42-inch
- **Aspect ratio**: 16:9 wide (width-to-height ratio of screen)
- **Resolution (H x V)**: 640 x 480 (4:3), 853 x 480 (16:9), 800 x 600 (S-VGA), 1024 x 768 (XGA)
- **Display colors**: 16,777,216
- **Viewing angle**: 160°
- **Input connectors**: Video A: Composite BNC connectors x 2, Video B: Composite RCA pin x 1, YC mini-DIN 4 pin x 1, Component: BNC x 1, RGB A: D-sub 15 pin (3-row) x 1, RGB B: BNC x 10, HD/CS: 1.0 V — 5.0 V(p-p), VD: 1.0 V — 5.0 V(p-p)
- **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)
- **Weight**: 79 lbs./35.8 kg

### General
- **Power requirement**: 120 V AC/230 V AC, 50/60 Hz
- **Power consumption**: Internal: 3.5 A (120 V AC), 1.9 A (230 V AC), External: 3 W + 3 W (typical at impedance 8 ohms)
- **Dimensions**: Unit: inches, 39-3/8 x 27-15/16 x 5-13/16 (100 x 710 x 146 mm)
- **Temperature range**: 32°F to 104°F (0°C to +40°C)
- **Humidity range**: 20% to 80%, non-condensation

### Speaker System (Option)
- **Rated input**: 8 W
- **Nominal impedance**: 6 ohms
- **Dimensions**: 3-15/16 x 24-1/16 x 3-9/16 (100 x 610 x 89 mm)
- **Weight**: 4.7 lbs./2.1 kg
- **Temperature range**: 32°F to 104°F (0°C to +40°C)
- **Humidity range**: 20% to 80%, 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)
- **TS-C420P2W**: Wall Mounting Unit Mounting Angle: 0°, 5°, 10°, 15°, Dimensions (W x H x D): 22-1/2 x 17-3/4 x 6-1/2 inches (574 x 426 x 165 mm)
- **TS-C420P3W**: Ceiling Suspension Unit Mounting Angle: 0°, 10°, 20°, Dimensions (W x H x D): 22-1/2 x 22-11/16 x 1-7/8 inches (570 x 576 x 47 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)

**Caution:**
- PDP is an ultra modern electronic device fabricated using leading-edge technology. Therefore, to achieve picture elements are 99.99% percent or more, meaning 0.01% percent or less defective elements or “always ON” portion could exist. Even though burn-in such as CRT, PDP uses phosphor, therefore, burn-in could result from long-term use such as displaying the same still picture.

### Design and specifications subject to change without notice.

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