



## Ovideon LCS4230-BR Broadcast Monitor Features

**Screen Size:** 42" diagonal  
**Aspect Ratio:** 16:9 Widescreen  
**Screen Resolution:** 1920 x 1080 Progressive Scan  
**Contrast Ratio:** 1200:1  
**Brightness:** 500 cd/m<sup>2</sup>  
**Response Time:** 6.5ms  
**Control:** RS232C  
**Input Type:** VGA/Video/S-Video/DVI  
**Color:** Black

**SMPTE C / 709 Calibration-** The LCS4230-BR is factory calibrated to the SMPTE C or 709 standard for color accuracy.

**Safe Zone Generator:** The LCS4230-BR is integrated with a 4:3 and 16:9 Safe Zone Generator. The monitor can display safe zones for the 4:3 aspect ratio as well as 16:9 2%, 5%, 7.5% and 10% Zones.

**Durable Metal Construction-** Many displays are constructed with plastic cosmetics. The LCS4230-BR bezel and back cover are constructed of metal, offering unmatched durability and protection in critical applications such as digital signage and in environments where accessibility to the monitors cannot be controlled.

**Fanless Design-** For critical applications such as recording studios, control rooms...etc., where monitor noise cannot be tolerated the LCS4230-BR is designed for optimal heat dissipation without fans. The LCS4230-BR is virtually noise free.

**Super Wide Viewing Angle-** No matter where you place the LCS4230-BR you can rest assured that the picture displayed on this monitor will be clear and bright from any viewing angle. Our Super Wide LCD Technology ensures that there will be no gray scale (Color) shift often seen on other displays. In addition, our specially formulated anti-glare coatings on the LCD panel minimize room reflections further enhancing viewing comfort.

**HD LCD with Super Fast Panel Response –** The LCS4230-BR features a full 1920 x 1080p LCD panel with our industry leading 6.5ms panel response time. As a result moving objects are not blurred and video is seen with the utmost clarity, sharpness and detail.

**High Color Saturation and Color Accuracy-** Our newly developed high color saturation technology makes this display stand out from the competition. HCS technology offers more vivid color reproduction with extreme color accuracy. Video is seen as close to the original source as possible. With our color Temperature, Color Gain Adjustment, Skin Tone Enhancement and Nature Color Enhancement circuit, water will be blue, skin and earth tones will appear natural and vivid.

**High Brightness-** No longer is it necessary to darken the room or to turn down the lights to see a good picture. The high brightness of the LCS4230-BR LCD panel ensures easy viewing under most room lighting conditions.

**Variable Backlight Adjustment-** For a more pleasant viewing experience the overall brightness of the LCS4230-BR can be toned down or up by adjusting the backlight. This feature allows for more comfortable viewing under low light conditions where the brightness of an LCD may be a bit overpowering. The backlight brightness may also be increased for more comfortable viewing in high ambient light conditions.

**AutoAmbient Brightness Compensation-** In addition to the variable backlight adjustment the LCS4230-BR has a built in ambient light sensor. This sensor monitors the surrounding ambient light conditions and automatically increases or decreases the backlight brightness for more comfortable viewing.

**Variable Black Level Adjustment-** The LCS4230-BR black level can be adjusted independently of the brightness and contrast controls. This allows you to dial in the blacks to suit your application.

**Angle Filtering-** offers the highest quality video processing available. This motion adaptive de-interlacing technology with directional interpolation reduces “jaggies”, “dot crawl”, stair stepping and other artifacts that may be present in a video signal.

**Video/Film Cadence Correction-** Video and film may be recorded with different frame rate sequences (cadences) that may give any motion a jerky, stuttering appearance when they are displayed on modern, progressive scanning, displays. The LCS4230-BR cadence detection circuit digitally compensates for these motion artifacts and help smooth out the decoded video signal.

**Gamma Correction-** Most monitors seldom match the sensitivity of the human eye producing different colors at different intensities. By applying compensating Gamma correction to the LCS4230-BR the result is a linear picture response where colors are presented at their proper intensity.

**Color Temperature Adjustment-** offers both preset (3200K, 6500K, 7500K and 9300K) and variable white point adjustment (R,G,B). Color temperature allows you to control the “warmth” or “coldness” of the displayed picture.

**Noise Reduction-** The LCS4230-BR motion adaptive random noise detection circuit reduces picture noise and “graininess” associated with video signals from sources such as video tape and DVD’s.

**OSD Lock Out-** With a few key strokes the On Screen Display can be locked out in order to prevent any unauthorized adjustment of the monitor. This is a great feature for monitors installed in public areas.

**Long Life and Low Power Consumption-** The nature of LCD technology allows this display to operate over 50,000 hours without degradation or burn-in normally seen in other flat panel technologies. In addition, low power consumption will save you money on your next electric bill.

**Picture in Picture-** Watch TV, work on your PC or even watch a movie at the same time. By displaying a small window over your main programming the LCS4230-BR allows two sources to be viewed simultaneously. You can also easily swap between the two active sources by just pushing a single button.

**DVI Digital Input-** The LCS4230-BR features a Digital Visual Interface which allows easy connection of digital sources such as PC’s, DVD players HDTV tuners or any other sources with a DVI output.

**RS232C Control:** The LCS4230-BR is equipped with a D-sub 9pin connection for RS232 Control. This feature allows you easily integrate the LCS4230-BR into your installation while allowing control from third party control systems.

## OPTIONS

**Tempered Glass (Optional)-** for enhanced protection of the LCD panel the LCS4230-BR may be integrated with an optional tempered glass overlay. Tempered glass offers impact protection in environments where the monitor can be easily accessed such as casinos, museums and airports.

**HD-SDI (Optional)-** The LCS4230-BR can be integrated with a single or dual Serial Digital Input (via BNC) board. This SDI board is compatible with both SD and HD signals and does not process the incoming SDI signal in order to preserve the original source detail and color purity.

**Audio Amplifier (Optional) –** Audio in/out amplifier may be integrated in the LCS4230-BR. This feature allows the monitor to accept audio inputs via dual (L/R) RCA connections and also allows the connection of audio output to external speakers (optional).

**Speakers (Optional) –** The LCS4230-BR can accept external speakers which may be mounted directly to the display.