

# NEC MultiSync® 20 Series

40" - 52" professional-grade LCD displays ideal for digital signage applications

## Expand your messaging options with superior

**screen performance.** The NEC MultiSync 20 Series, featuring the 40" NEC LCD4020, 46" LCD4620 and 52" LCD5220, provides a first-class solution for your digital signage applications. Its industrial-strength design and Digital Signage Technology Suite (DSTS), which boasts nearly 30 advanced features, make these displays ideal for 24/7 operation in even the most harsh environments. These include airports, public information, healthcare, retail and other areas that require a combination of dazzling images and the highest level of display management. The MultiSync 20 Series' ultra-thin bezels, with widths as thin as one-fifth of the industry norm for 40" and 46" displays, provide ideal solutions for tiled video walls.



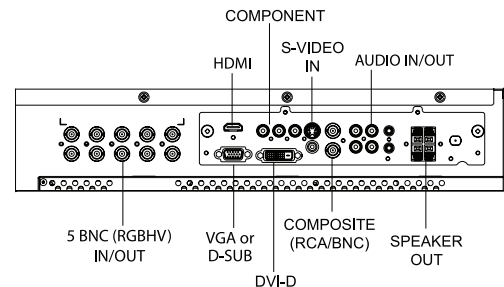
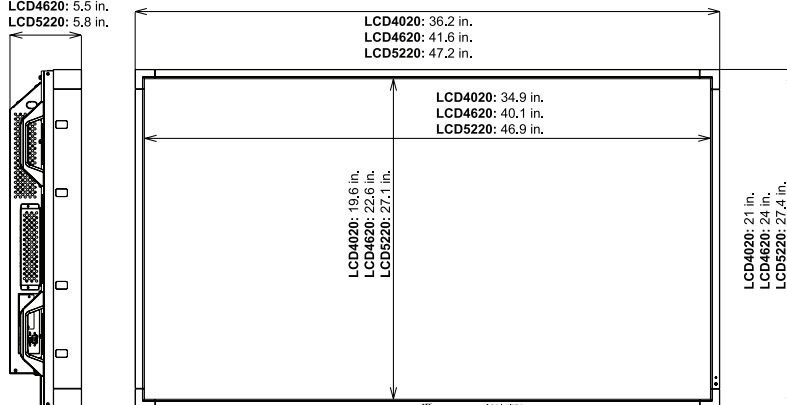
- **Thermal protection** starts with an extra thermal layer on the display panel to diffuse heat followed by fan-based technology specially designed to work in both landscape and portrait modes and be controlled locally or remotely. Internal temperature sensors control self-protective circuits, while special self-diagnostics communicate the status of the thermal characteristics.
- **Sealed panel design** provides protection in less than optimal environments, while protecting against particles like dust, grease, or steam from getting behind the glass and damaging the unit.
- **TileMatrix™** allows you to create video walls (up to 25 displays in a 5x5 matrix equalling 21 ft. diagonal)
- **TileComp™** works in tandem with TileMatrix to compensate for the bezel width and create a more seamless video wall
- **Multi-display control and daisy chain**, enabled through RS-232, allows for individually addressable display control, making setup and monitoring of the display simple and effective
- **Real-time clock/round-the-clock scheduling** allows for advanced scheduling of monitor powering up/down and input selection. These features also allow your messaging to be customized for time of day (e.g. breakfast in the morning, dinner specials in the evening) as well as improving energy savings and extending display life.
- **Advanced screen saver functions** include an array of features designed to reduce the risk of image persistence and extend display life. A gamma adjustment feature reduces the effect of high-contrast images, while a side color function allows adjustment of the color to minimize the contrast delta. Additional screen saver functions reduce the impact of static images by gently moving the image.
- **Built-in expansion slot** future-proofs your display investment, allowing for seamless integration of NEC and third-party components, including a tuner, HD-SDI card, single-board computer and DVI daisy chain capability.
- **CableComp+™**, which is compatible with analog and/or digital inputs, corrects for input signal distortion caused by long cables and low output levels of video cards. This technology uses a digitized signal delay circuit to automatically compensate for each red, green and blue cable's length and video signal delay, ensuring sharp image reproduction.
- **Color temperature adjustable** from 2600 - 10,000K, allowing for perfect whitepoint matching across screens as well as matching to source devices
- **NaViSet™** software offers an expanded and intuitive graphical interface, allowing for easy adjustment of display settings via mouse and keyboard. The Administrator version utilizes the monitor's advanced control and diagnostics capabilities to provide IT professionals with remote configuration, scheduling and troubleshooting over their existing networks.
- **SpectraView™ Color Calibration Solution (optional)**, featuring state-of-the-art calibrator and software, helps deliver accurate, consistent and repeatable color performance. The solution performs hardware monitor calibration and generates ICC profiles that can be used with graphics software. Multiple calibration settings can be stored and instantly recalled without the need to recalibrate the display.

# Specifications for LCD4020/LCD4620/LCD5220

| MODEL                             | LCD4020  | LCD4620                                      | LCD5220                                      |
|-----------------------------------|--|--|--|
| <b>LCD MODULE</b>                 |  |  |  |
| Viewable Size (Diagonal)          | 40"  | 46"  | 52"  |
| Panel Technology                  | SPVA   |  |  |
| Native Resolution                 | 1366 x 768   |  | 1920 x 1080                                  |
| Pixel Pitch                       | 0.648mm  | 0.746mm                                      | 0.60mm                                       |
| Brightness                        | 500 cd/m <sup>2</sup>  |  |  |
| Contrast Ratio (Typical)          | 2000:1   |  |  |
| Active Screen Area (W x H)        | 34.9 x 19.6 in. / 886.5 x 497.8mm  | 40.1 x 22.6 in. / 1018.5 x 574mm             | 46.9 x 27.1 in. / 1192 x 688mm               |
| <b>CONNECTIVITY</b>               |  |  |  |
| Input Terminals                   |  |  |  |
| RGB1 (Digital)                    | DVI-D  |  |  |
| RGB2 (Analog)                     | Analog D-sub   |  |  |
| RGB3 (Analog)                     | 5 BNC (RGBHV)  |  |  |
| Video 1*                          | Composite (Shared RCA and BNC)   |  |  |
| Video 2*                          | S-Video  |  |  |
| Video 3*                          | HDMI   |  |  |
| Component Video 1 (DVD/HD)*       | Component BNC  |  |  |
| Audio*                            | Audio 1 (MiniJack), Audio 2 and 3 Stereo (RCA), HDMI / Internal Speaker: None  |  |  |
| External Control                  | RS-232, DDC/CI   |  |  |
| Output Terminals                  |  |  |  |
| RGB                               | Yes  |  |  |
| Video*                            | Yes  |  |  |
| Audio*                            | Yes  |  |  |
| External Control                  | RS-232 for multiple monitor control, IR, DDC/CI  |  |  |
| Audio Amplifier                   | 15W Stereo   |  |  |
| <b>FEATURES</b>                   |  |  |  |
| Additional Features               | Ultra-thin bezel, advanced thermal capabilities, sealed professional panel, expansion slot, CableComp+, TileMatrix (5x5), TileComp, programmable lookup tables, Plug and Play (DDC/CI, DDC2B), PIP (remote), POP, 6-axis color adjustment, multi-level programmable zoom, video ready scheduler (w/ RTC), sharpness/softness, off-timer (countdown), screen saver, vacation switch, 10-bit gamma, AutoBright (signal input), Windows Vista-certified, portrait-capable |  |  |
| <b>POWER</b>                      |  |  |  |
| Power Requirements                | AC 100-120V / AC 220-240V@50/60 Hz   |  |  |
| Power Consumption (Typical)       | 175W   | 235W   | 270W   |
| Power Consumption - Standby Mode  | < 5W   |  |  |
| <b>PHYSICAL SPECIFICATIONS</b>    |  |  |  |
| Bezel Width (L/R, T/B)            | 0.61 in. / 0.61 in., 15.5mm / 15.5mm   | 0.65 in. / 0.67 in., 16.5mm / 17mm           | 0.75 in. / 0.75 in., 19mm / 19mm             |
| Dimensions (without stand; WxHxD) | 36.2 x 21 x 5.5 in. / 919.5 x 533.4 x 140mm  | 41.6 x 24 x 5.5 in. / 1056.6 x 609.6 x 140mm | 47.2 x 27.4 x 5.8 in. / 1200 x 696 x 147.5mm |
| Packaging Dimensions (WxHxD)      | 45.2 x 30 x 12.3 in. / 1147 x 761 x 312mm  | 50.3 x 33 x 12.3 in. / 1278 x 837 x 312mm    | 58.3 x 36.5 x 13.1 in. / 1481 x 926 x 334mm  |
| Net Weight (without stand)        | 64.8 lbs. / 29.4 kg  | 79.6 lbs. / 36.1 kg                          | 97.7 lbs. / 44.3 kg                          |
| Gross Weight (with box)           | 85.8 lbs. / 38.8 kg  | 103.8 lbs. / 47.1 kg                         | 122.4 lbs. / 55.5 kg                         |
| VESA Hole Configuration           | 200 x 200mm (8 hole) / 200 x 100mm (6 hole)  |  |  |
| <b>ENVIRONMENTAL CONDITIONS</b>   |  |  |  |
| Operating Temperature             | 5-40°C / 41-104°F  |  |  |
| Operating Humidity                | 20-80%   |  |  |
| <b>ACCESSORIES</b>                |  |  |  |
| Included                          | Power cord, 15-pin D-sub cable, user manual, setup sheet, wireless remote control, batteries, main switch cover, CD-ROM  |  |  |
| Optional                          | External speakers (-AV only; SP4020-4620, SP-5220), digital tuner (-AV only), tilt wall mount kit (WMK3260-L), stand (ST-4020, ST-4620, ST-5220), internal HD-SDI card (SB-L007KK; -IT and -AV only), single board computer (MPD-SBC-8/16), SpectraView, Color Calibration Solution (SVII-KIT), Digital Signage Kit (DSK3260)  |  |  |
| <b>WARRANTY/SERVICE</b>           |  |  |  |
| On-Site Limited Warranty          | 3 years parts and labor, including backlight   |  |  |

\* not available on IT models

LCD4020/  
LCD4620: 5.5 in.  
LCD5220: 5.8 in.



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