

# MultiSync® LCD4610

46" (46" VIS) LCD ideal for digital information applications



Equip your digital display applications with the next generation technology of the 46" (46" VIS) NEC MultiSync LCD4610. This high-performance large-screen LCD's Digital Signage Technology Suite (DSTS) boasts 20+ advanced features to improve screen performance, lower total cost of ownership and enhance display management. The DSTS truly sets the LCD4610 apart, bringing tomorrow's technology to today's large-screen applications.

## Markets Served

- ✓ Digital merchandising
- ✓ Airports/flight & baggage information
- ✓ Corporate
- ✓ Quick-service restaurants
- ✓ Medical
- ✓ Financial
- ✓ Theaters
- ✓ Tradeshows
- ✓ Broadcasting
- ✓ many more...

**Improved CableComp™ technology** equalizes the video signal to eliminate color halos on long cable runs

**TileMatrix™** allows you to build video walls (up to 25 displays in a 5x5 matrix equalling almost 20 ft. diagonal)

**TileComp™** works in tandem with TileMatrix to compensate for the bezel width and create a more seamless video wall

**Real-time clock** allows for content scheduling and monitor sleep/wake management, improving energy savings and extending display life

**6-axis color control engine** allows for precise and simplified color, saturation adjustment and color temperature, which is adjustable from 2600K to 10,000K

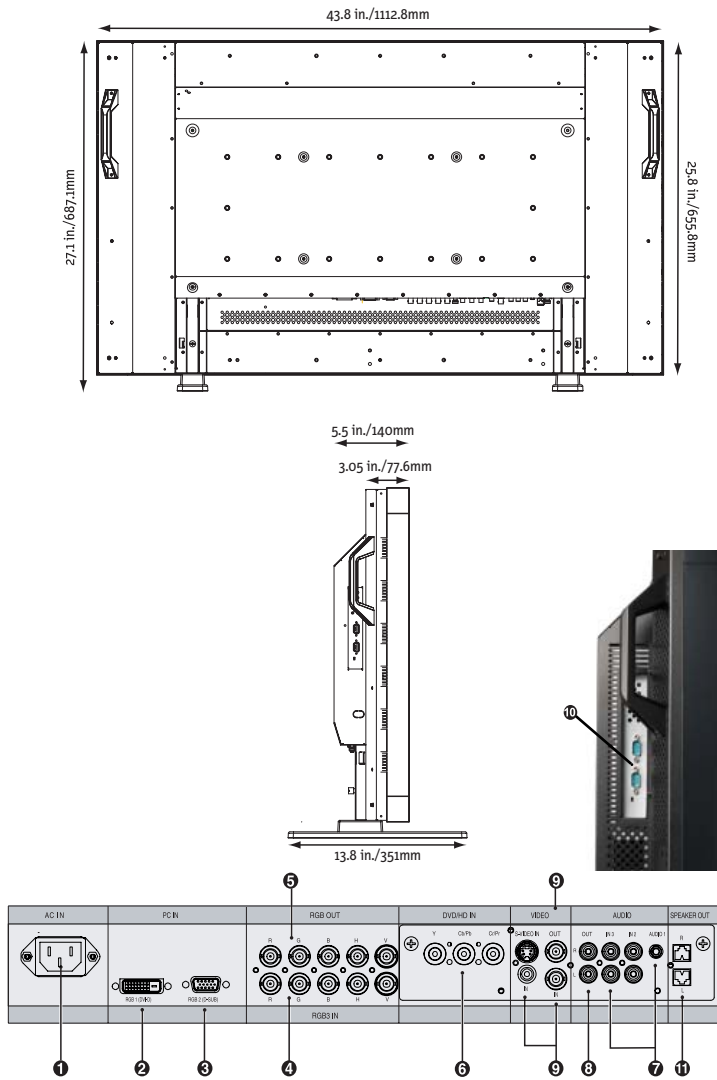
**Daisy chain capability** enabled through RS-232C allows for individually addressable display control

**Power save function** puts the display in power management mode when a sync or input signal is lost

**Side-by-side view** places two video frames of equal size next to each other

**Self-diagnostic capabilities** help detect possible failure points via queries through DDC/CI and RS-232C

**Power-on delay** allows for multiple displays on a single electrical circuit



1. **AC IN connector** Connects with the supplied power cord.
2. **RGB 1 IN (DVI-D)** To input digital RGB signals from a computer\*  
\* This connector does not support analog input.
3. **RGB 2 IN (mini D-Sub 15 pin)** To input analog RGB signals from a personal computer or other RGB equipment.
4. **RGB 3 DVD/HD [R, G, B, H, V] (BNC)** To input the analog RGB signals or signals from other RGB equipment. A Sync-on-Green signal can be connected to the G connector.
5. **RGB OUT connector (mini D-Sub 15 pin)** To output the signal from the RGB 2 or 3 IN connector.
6. **DVD/HD CONNECTOR (BNC)** Connecting equipment such as a DVD player, HDTV device or laser disc player. **AV**
7. **AUDIO IN 1,2,3** Input audio signal from external equipment such as a computer, VCR or DVD player. **AV**
8. **AUDIO OUT** Output the audio signal from the selected AUDIO IN source. **AV**
9. **VIDEO INPUT/OUTPUT CONNECTOR** **AV**  
**VIDEO IN connector (BNC and RCA):** Input a composite video signal. BNC and RCA are not available at the same time. (Use only one input).  
**VIDEO OUT connector (BNC):** Output the composite video signal from the VIDEO IN source.  
**S-VIDEO IN connector (DIN 4 pin):** Input the S-video (Y/C separate signal).
10. **EXTERNAL CONTROL (mini D-Sub 9 pin) RS-232C** Input signal from control equipment such as a computer.  
**In connector:** Input signal from control equipment such as a computer or the output from a different MultiSync LCD4610  
**Out connector:** To connect multiple MultiSync LCD4610
11. **EXTERNAL SPEAKER TERMINAL** Outputs the audio signal from the selected audio source. **AV**

**AV** Denotes an AV unit function.  
All AV functions are enabled when the AV unit is installed.

<b>Model</b>	LCD4610-BK (LCD4610-BK-IT)	
<b>Display</b>	Viewable Size Image Pixel Pitch Pixels Per Inch Brightness (typical) Contrast Ratio (typical) Viewing Angle (typical) Response Time (typical) Display Colors Active Screen Area (W X H) Screen Aspect Ratio	46" 0.746mm 34 @ native resolution 500 cd/m <sup>2</sup> 800:1 170° Vert., 170° Hor. (85U/85D/85L/85R) @ CR>10 Rapid Response (8ms) 256 RGB Level, more than 16 million 1018.4 x 572.5mm 16:9
<b>Synchronization Range</b>	Horizontal Vertical	31.5-91.1 KHz (15,625,15,734 kHz) (Analog) 31.5-91.1 KHz (Digital) 50-85 Hz Analog / 50-85 Hz Digital
<b>Input Signal</b>	Video Sync	ANALOG RGB 0.7Vp-p/75 Ohms Separate sync: TTL Level (Positive/Negative) Composite sync: TTL Level (Positive/Negative) Composite sync on green: (0.3Vp-p negative 0.7Vp-p positive)
<b>Input</b>	RGB1 RGB2 RGB3 Video 1* Component Video 1 (DVD/HD)* Audio* External Control	DVI-D Analog D-sub Analog BNC Composite RCA or S-Video Component BNC Audio 1 (minijack), Audio 2 and 3 Stereo (RCA) Internal Speaker: None RS232, DDC/CI
<b>Output</b>	RGB Video* Audio* Control Audio Amplifier*	Daisychain RGB3 Daisychain Video1 Daisychain - Selected Audio in RS232 for multiple monitor control 7W x 7W
<b>Resolutions Supported</b>	720 x 400 @ 70-85 Hz 640 x 480 @ 60-85 Hz 800 x 600 @ 50-85 Hz 832 x 624 @ 74.5 Hz 1024 x 768 @ 50-85 Hz 1280 x 1024 @ 50-85 Hz 1600 x 1200 @ 60 Hz (Compressed) 1280 x 768 @ 50-85 Hz 1360 x 768 @ 50-85 Hz NTSC/PAL, SECAM, 4.43NTSC, Pal60 HDTV, 480i, 480p, 720p, 1080i	
<b>Native Resolution</b>	1366 x 768	
<b>Recommended Resolution</b>	1360 x 768 or 1366 x 768	
<b>Additional Features</b>	Power Management, Plug and Play (DDC/CI, DDC2B), PIP (Remote), Multi-level Zoom, FullScan, 6-axis color, CableComp, TileMatrix, TileComp, Screen Saver, Rapid Response, Video Ready (no tuner), Infrared remote control included	
<b>Touch-Capable</b>	Designed for integration	
<b>Voltage Rating</b>	AC 100-120V/AC 220-240V @ 50/60 Hz	
<b>Power Consumption (typical)</b>	On Power Savings Mode	260W <5W
<b>Dimensions (WxHxD)</b>	Net (with stand) Net (without stand)	43.8 x 27.1 x 13.8 in./1112.8 x 687.1 x 351mm 43.8 x 25.8 x 5.5 in./1112.8 x 655.8 x 140mm
<b>Net Weight</b>	(with stand) (without stand)	70.5 lbs./32 kg 67.2 lbs./kg
<b>VESA Hole Configuration Specifications</b>	200 x 200mm (8 hole)/200 x 100mm (6 hole)	
<b>Environmental Conditions</b>	Operating Temperature Operating Humidity Operating Altitude Storage Temperature Storage Humidity Storage Altitude	5-40° C/41-104° F 20-80% 4200m/13,780 ft. -20-60° C/-4-140° F 10-90% 12,000m/39,370 ft.
<b>Regulatory Approvals</b>	UL 60950/CSA C22.2 No. 950/TUV-GS/EN60950/ FCC-B/DOC-B/EN55022-B/EN55024/EN61000-3-2/EN1000-3-3/CE	
<b>Included Accessories</b>	AC power cord, user manual, setup sheet, wireless remote control, batteries, 15-pin RGB cable, CD-ROM, stands	
<b>Optional Accessories</b>	External speakers	
<b>Limited Warranty</b>	3 years parts and labor, including backlight	
<b>Technical Support</b>	24 hours/7 days	

\* not available on IT model



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