MultiSync® LCD4010

40" (40" VIS) LCD ideal for digital information applications

DSTS :::
Digital Signage
Technology Suite

Equip your digital display applications with the next generation technology of the 40" (40" VIS) NEC MultiSync LCD4010. 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 LCD4010 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

High-definition capable display supports 480i, 480p, 720p and 1080i

6-axis color control engine allows for precise and simplified color, color temperature and saturation adjustment
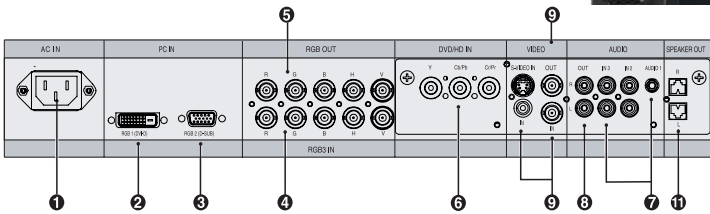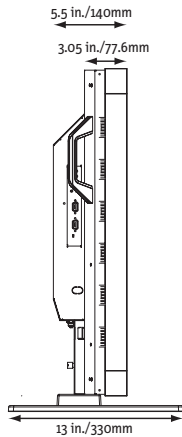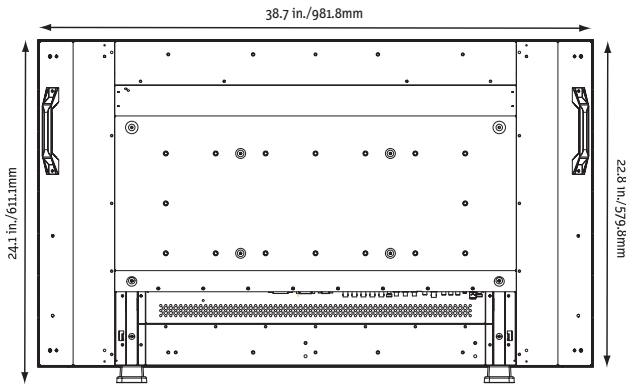
Self-diagnostic capabilities help detect possible failure points via queries through DDC/CI and RS-232C

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

Multi-frame viewing options include picture-in picture (PIP), which places a smaller video frame within the full-screen video frame, picture-on-picture (POP), which places a smaller video frame next to the full-screen video frame, and side-by-side view, which places two video frames of equal size next to each other

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

New backlight system leads to better brightness uniformity

NEC NEC Display Solutions

Dimensions: 38.7 in./981.8mm · 24.1 in./611.1mm · 22.8 in./579.8mm · 5.5 in./140mm · 3.05 in./77.6mm · 13 in./330mm

Rear / connector panel labels: AC IN · PC IN · RGB OUT · DVD/HD IN · VIDEO · AUDIO · SPEAKER OUT · RGB 1 (DVI-D) · RGB 2 (D-SUB) · RGB3 IN · R G B H V · Y Cb/Pb Cr/Pr · S-VIDEO IN · OUT · OUT IN3 IN2 AUDIO1 · R L

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 LCD4010*
    Out connector: *To connect multiple MultiSync LCD4010*
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.

Model	LCD4010-BK (LCD4010-BK-IT)
Display	
Viewable Size Image	40"
Pixel Pitch	0.641mm
Pixels Per Inch	40 @ native resolution
Brightness (typical)	450 cd/m²
Contrast Ratio (typical)	800:1
Viewing Angle (typical)	170° Vert., 170° Hor. (85U/85D/85L/85R) @ CR>10
Response Time (typical)	Rapid Response (16ms)
Display Colors	256 RGB Level, more than 16 million
Active Screen Area (W X H)	885.2 x 497.6mm
Screen Aspect Ratio	16:9
Synchronization Range	
Horizontal	31.5-91.1 KHz (15.625,15.734 kHz) (Analog) 31.5-91.1 KHz (Digital)
Vertical	58-85 Hz Analog / 50-85 Hz Digital
Input Signal	
Video	ANALOG RGB 0.7 Vp-p / 75 Ohms
Sync	Separate sync: TTL Level (Positive/Negative) Composite sync: TTL Level (Positive/Negative) Composite sync on green: (0.3Vp-p negative 0.7Vp-p positive)
Input	
RGB1	DVI-D
RGB2	Analog D-sub
RGB3	Analog BNC
Video 1*	Composite RCA or S-Video
Component Video 1 (DVD/HD)*	Component BNC
Audio*	Audio 1 (minijack), Audio 2 and 3 Stereo (RCA) Internal Speaker: None
External Control	RS232, DDC/CI
Output	
RGB	Daisychain RGB3
Video*	Daisychain Video1
Audio*	Daisychain - Selected Audio in
Control	RS232 for multiple monitor control
Audio Amplifier*	7W x 7W
Resolutions Supported	720 x 400 @ 70-85 Hz 640 x 480 @ 60-85 Hz 800 x 600 @ 60-85 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
Native Resolution	1366 x 768
Recommended Resolution	1360 x 768 or 1366 x 768
Additional Features	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
Touch-Capable	Designed for integration
Voltage Rating	AC 100-120V / AC 220-240V @ 50/60 Hz
Power Consumption (typical)	
On	230W
Power Savings Mode	<5W
Dimensions (WxHxD)	
Net (with stand)	38.7 x 24.1 x 13 in./981.8 x 611.1 x 330mm
Net (without stand)	38.7 x 22.8 x 5.5 in./981.8 x 579.8 x 140mm
Net Weight	
(with stand)	60.6 lbs./27.5 kg
(without stand)	57.3 lbs./26 kg
VESA Hole Configuration Specifications	200 x 200mm (8 hole) / 200 x 100mm (6 hole)
Environmental Conditions	
Operating Temperature	5-40° C/41-104° F
Operating Humidity	20-80%
Operating Altitude	4200m/13,780 ft.
Storage Temperature	-20-60° C/-4-140° F
Storage Humidity	10-90%
Storage Altitude	12,000m/39,370 ft.
Regulatory Approvals	UL 60950/CSA C22.2 No. 950/TUV-GS/EN60950/ FCC-B/DOC-B/EN55022-B/EN55024/EN61000-3-2/EN1000-3-3/CE
Included Accessories	AC power cord, user manual, setup sheet, wireless remote control, batteries, 15-pin RGB cable, CD-ROM, stands
Optional Accessories	External speakers
Limited Warranty	3 years parts and labor, including backlight
Technical Support	24 hours/7 days

* not available on IT model

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