NEC X431BT

43" professional-grade LCD display ideal for digital signage applications

Don't let lack of space keep you out of the digital signage fast lane. Not all businesses installing displays for messaging have the advantage of an environment that allows for standard-sized screens. The 43" NEC X431BT display was designed to aid these types of users with unique dimensions for atypical spacing, while delivering the superior technology and management features for which NEC's professional large-screen displays are known.

Product Highlights

¤ Unique bar-type shape and design
¤ Full connectivity, including option slot
¤ Stand not required for tabletop applications
¤ Advanced thermal panel design
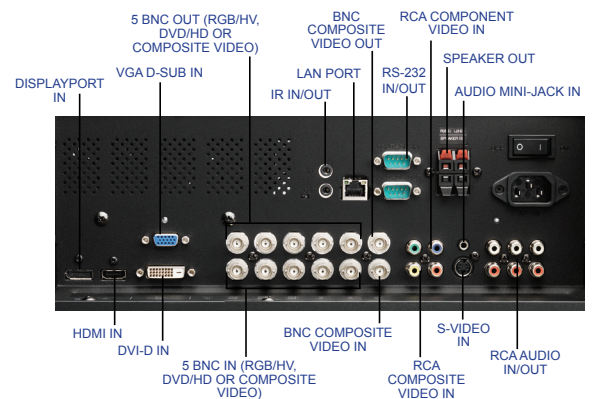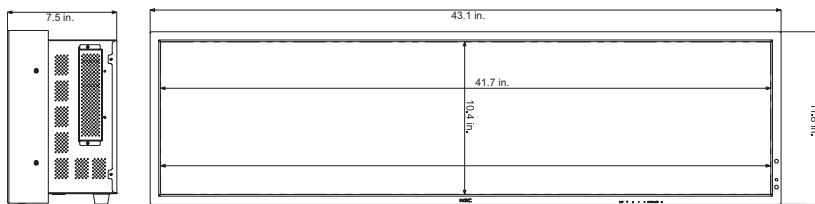¤ ENERGY STAR 5.0
¤ TAA-compliant

Key Markets

¤ Transportation (subways, train stations)
¤ Quick-Service Restaurants (kitchen orders, small spaces)
¤ Retail (shelf spaces)
¤ Creative Digital Signage Solutions (ticker-type applications)

¤ **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.*

¤ **Enhanced video wall capabilities** allow you to expand your messaging options. Technologies include:
  · **TileMatrix**™ allows you to create video walls (up to 100 displays in a 10x10 matrix)
  · **TileComp**™ works in tandem with TileMatrix to compensate for the bezel width and create a more seamless video wall
  · **Copy function** allows the user to apply the settings from one display to all others in the RS-232 daisy chain, reducing setup time and saving money
  · **Individual and Group ID functions** allow users to control settings for a defined individual display or group of displays within a video wall
  · **Display Wall Calibrator Kit (optional)** provides a quick, accurate and easy-to-use means of matching all displays in color and brightness to create uniformity across the video wall

¤ **Eco-friendly features** include an ambient light sensor, which ensures consistent brightness no matter the lighting conditions, and a carbon footprinter meter, which helps track and calculate the conservation of green gas emissions

¤ **Built-in expansion slot** future-proofs your display investment, allowing for seamless integration of NEC and third-party components, including an HD-SDI card, single-board computer and DVI daisy chain capability.

¤ **Industry's most extensive control, diagnostic and communication** provide the highest level of remote display management. These include:
  · **RS-232** enables multi-display control and daisy chain, allowing for individual and group-addressable control, and simple, effective setup and monitoring of the display
  · **Ethernet connectivity** adds the same RS-232 control plus automatic email notification for diagnostic purposes
  · **NaViSet**™ **software** offers an intuitive graphical interface, allowing for easy adjustment of display settings via mouse and keyboard. NaViSet Administrator provides all the advanced control to remotely located IT professionals.
  · **DDC/CI standard** allows for PC control of the display based on the VESA command set

¤ **Improved input options** include quick input change, customized detection and naming

¤ **Real-time clock/round-the-clock scheduling** allows for advanced scheduling of monitor powering up/down

¤ **CableComp+**™ 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 despite long cables and low output level

¤ **ENERGY STAR 5.0** criteria is proudly met for the X431BT, which follows strict energy efficiency guidelines set by the U.S. Environmental Protection Agency and the U.S Department of Energy, helping you save money and reduce greenhouse gas emissions

*use under the environmental conditions noted in the specifications and user's manual

NEC

Specifications for X431BT

Model	X431BT
LCD MODULE	
Viewable Size (diagonal)	43"
Panel Technology	SPVA
Native Resolution	1920 x 480
Pixel Pitch	0.55mm
Brightness (typical/max)	500 cd/m² / 700 cd/m²
Contrast Ratio (typical)	3000:1
Aspect Ratio	16:4
Active Screen Area (W X H)	41.7 x 10.4 in. (1059.8 x 265mm)
CONNECTIVITY	
Input Terminals	
Digital	Display Port, HDMI, DVI-D
Analog	5BNC (RGBHV), RCA Composite, BNC Composite, RCA Component (Y,Cb/Pb,Cr/Pr), S-Video
Audio	RCA Audio x 2, DisplayPort Audio, HDMI Audio
External Control	RS-232, RJ-45 LAN, IR Remote, DDC/CI
Output Terminals	
Analog	5 BNC (RGBHV), BNC Composite
Audio	RCA Audio x 2, External Speaker Jack x 2, Stereo Mini-Jack
External Control	RS-232C, IR Remote
Audio Amplifier	15W Stereo
FEATURES	
Additional Features	Thin bezel, advanced thermal capabilities, sealed professional panel, expansion slot, Ethernet Control and Communication, Cable-Comp+, TileMatrix (10x10), TileComp, programmable lookup tables, Plug and Play (DDC/CI, DDC2B), PIP (remote), POP, 6-axis color adjustment, multi-level programmable zoom, scheduler (w/ RTC), sharpness/softness, off-timer (countdown), screen saver, vacation switch, 10-bit gamma, AutoBright (signal input), Windows Vista-certified, IR, portrait-capable, metal rear cabinet, ambient light sensor, carbon footprint meter, color temperature adjustment (2600-10,000K)
POWER	
Power Requirements	2.8A @ 100-120V, 1.2A @ 220-240V
Power Consumption (typical/standby)	105W / < 1W
PHYSICAL SPECIFICATIONS	
Bezel Width (R/B, T/L)	0.7 in./0.7 in., 0.7 in./0.7 in. ; 18mm/18mm, 18mm/18mm
Dimensions (WxHxD)	43.1 x 11.8 x 7.5 in. / 1096 x 300 x 190mm
Gross Dimensions (WxHxD)	49.6 x 18.5 x 13.1 in. / 1260 x 471 x 332mm
Net Weight	43.2 lbs. / 19.6 kg
Gross Weight	55.1 lbs. / 25 kg
VESA Hole Configuration	700 x 200mm (12 hole)
ENVIRONMENTAL CONDITIONS	
Operating Temperature	5 - 40°C / 41 - 104°F
Operating Humidity	20 - 80%
ACCESSORIES	
Included	Setup manual, power cord, video signal cable, remote control, AA Battery, CD-ROM (user manual), cable cover
Optional	
NEC	Tilt wall mount kit (WMK-3257 landscape only), Display Wall Calibrator Kit (KT-46UN-CC), Single Board Computer (NET-SBC-01/02/03), DVI Daisy Chain Expansion Board (SB-L008WU), HD-SDI Expansion Board (SB-L007KK), External PC (TNETPC-ION)
Third Party	TTUFF Media Player (DMD-80HD-NEC), TTUFF SBC (APE-20HD-NEC; DPE-80HD-NEC), Magenta CAT5 Receiver (NEC600), Minicom CAT5 Receiver (360 ': 0VS51010NEC; 1000': 0VS51001NEC)
WARRANTY/SERVICE	
Limited Warranty	3 years parts and labor, including backlight

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