Empowered by Innovation NEC

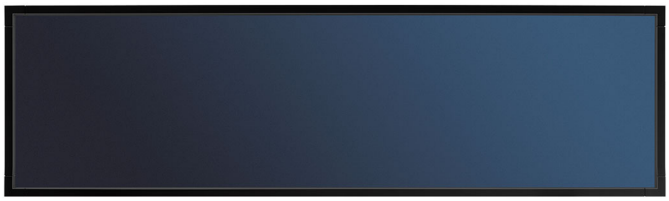
NEC MultiSync® X431BT

ORDER CODE: 60002922

NEC LCD 43" Bar Type Public Display

TheMultiSync® X431BT is equipped with a number of NEC special features, i.e. the option slot as well as a panel, which is specially designed for heavy duty applications. Thus replacement of current LED (low resolution) devices in traffic information systems becomes possible.

An ideal solution for retail signage and transportation applications where space requirements demand non-standard display format.



DELIVERING GENUINE BENEFITS

Unique Display Shape - for unconventional applications.

Functionality - can be extended with additional interfaces and playback devices through the option slot which avoid additional cables and mounting brackets.

Ease of Installation and Operation - free LAN control software for central, convenient and cost-efficient maintenance and control. Automatic alarm emails notify the user of problems if they should occur.

Save the environment and power costs - and increase the product lifetime by activating the ambient light sensor.

ERP COMPLIANT

OUTSTANDING PERFORMANCE

- **The Special Form Factor (Bartype)** allows to put the display into areas, which are space restricted.
- **DisplayPort and HDMI** along with a LAN interface for screen control are unique in this combination in a Public Display and secure future proofness.
- **Ambient Light Sensor.** With the ambient light sensor, efficient product design and high quality components power consumption is minimized.
- **Vertical and Portrait Mountable**
- **Eeasy Connection** with many sources supporting many kinds of input.
- **Remote Control** by RS232, LAN and Infrared.
- **Real Size.** Not cut from finished product but designed to be 43” bartype display.

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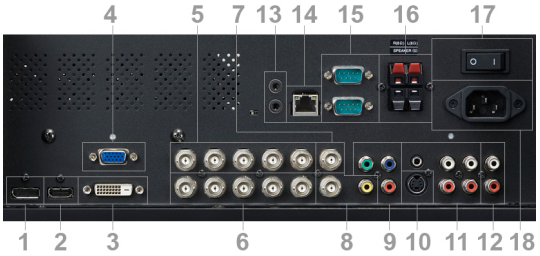

1. DISPLAYPORT connector
2. HDMI connector
3. DVI IN (DVI-D)
4. VGA IN (mini D-Sub 15 pin)
5. RGB/HV OUT (BNC)
6. RGB/HV IN [R, G, B, H, V] (BNC)
7. VIDEO OUT connector (BNC)
8. VIDEO IN connector (BNC and RCA)
9. DVD/HD connector (RCA)
10. S-VIDEO IN connector (Mini DIN 4 pin)
11. AUDIO IN 1, 2, 3
12. AUDIO OUT
13. REMOTE IN/OUT
14. LAN port (RJ-45)
15. EXTERNAL CONTROL (D-Sub 9 pin)
16. EXTERNAL SPEAKER TERMINAL
17. Main Power Switch
18. AC IN connector

SPECIAL CHARACTERISTICS

Ambient light sensor for optimized brightness levels; user defined input priority; user defined input names; Rapid input changing; PIP with 2 PC inputs; Carbon Footprint Meter; Overheating Protection

Energy Efficiency: Ambient light sensor; Carbon savings meter; ECOMode; Low power consumption; Scheduler for limited on-time

Ecological Standards: EuP compliant

Technical Specification NEC MultiSync® X431BT	
DISPLAY	
Panel Technology	S-PVA TFT
Active Screen Area (W x H) [mm]	1059,8 x 265
Screen Size [inch/cm]	43 / 109,3
Aspect Ratio	16:4
Pixel Pitch [mm]	0.552
Brightness (typ.) [cd/m²]	500, (700 max)
Contrast Ratio (typ.)	3000:1
Viewing Angle [°]	89 horizontal / 89 vertical (typ. at contrast ratio 10:1)
Response Time (typ.) [ms]	8 (grey-to-grey)
Colours [Mio.]	16.77
SYNCHRONISATION RATE	
Horizontal Frequency [kHz]	15,625 - 15,734; 29,8 - 91,1 (analog); 29,8 - 91,1 (digital)
Vertical Frequency [Hz]	50,0 - 85,0
RESOLUTION	
Native Resolution	1920 x 480 at 60 Hz
Supported	1024 x 768; 1280 x 768; 800 x 600; 1360 x 768; 640 x 480; 1280 x 1024; 1920 x 480
CONNECTIVITY	
Input Video Analogue	1 x D-sub 15 pin; 5 x BNC, Component, Composite (via BNC and Cinch); 1 x S-Video
Input Video Digital	1 x DVI-D (with HDCP); 1 x HDMI; 1 x DisplayPort
Input Audio Analogue	2 x Cinch (RCA); 1 x Head-jack 3.5 mm
Input Audio Digital	1x HDMI
Output Video Analogue	5 x BNC for RGBHV, Component and Composite; 1 x BNC composite out
Remote Control	RS-232C (9-pin D-sub) Input and Output; Ethernet; D-sub 15 and DVI-D (DDC/CI); Remote Control IR
TV AND VIDEO	
Supported TV Standards (no tuner)	NTSC; PAL; SECAM
Video Modes (no tuner)	1920 x 480; 480i; 480p; 576i; 576p; 2 x720p (50 and 60 Hz); 2 x 1080i (50 and 60 Hz); 2 x 1080p (50 and 60 Hz)
ELECTRICAL	
Power Consumption on Mode [W]	105
Power Management	VESA DPMS
Power Requirements	100-240 V; 2,8 A/1,2 A
ENVIRONMENTAL CONDITIONS	
Operating Temperature [°C]	+5 to +40
Operating Humidity [%]	20 to 80
MECHANICAL	
Dimensions (W x H x D) [mm]	Without stand: 1096 x 300 x 190
VESA Mounting [mm]	700 x 200
AVAILABLE OPTIONS	
Option Slot	CAT 5 receiver; HD-SDI board; DVI daisy chain board; Built-in PC; Mediasoitin
ADDITIONAL FEATURES	
Colour Versions	Black Front Bezel, Black Back Cabinet
Safety and Ergonomics	CE; TÜV GS; C-tick; Energy Star 5.0; FCC Class B; UL/C-UL or CSA; CCC; PSB; VCCI
Plug and Play	VESA DDC/CI; VESA DDC2B
Shipping Content	Signal Cable VGA - VGA; Display; Power Cable; DisplayPort-signaalikaapeli; Remote Control (IR); CD-ROM (User Guides/ Manuals); User Manual
Warranty	3 years warranty incl. backlight