

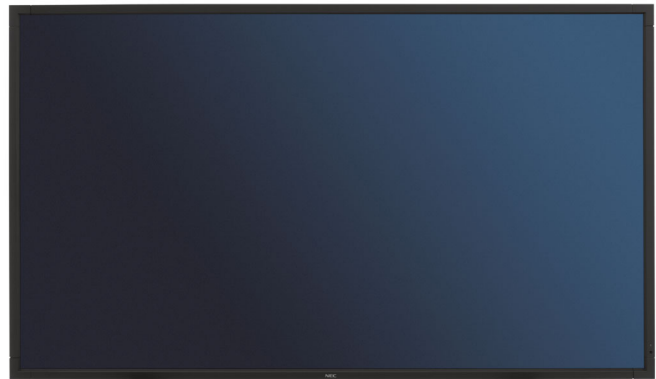
# NEC MultiSync® P551

Order Code: 60003026

**NEC LCD 55" Public Display**

**NEC MultiSync® P-Series Public Displays** delivers uncompromising reliability as well as latest interface technologies such as DisplayPort and LAN. In combination with minimized power consumption achieved by an ambient light sensor, the products meet the needs of heavy duty applications found in the transportation or control room environment.

An ideal solution for retail signage, meeting rooms, video conferencing, transportation and control room applications.



## DELIVERING GENUINE BENEFITS

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

**Latest Interface Standards** - to make sure even new signals or interfaces can be used.

**NEC Public Displays** - designed to meet your environmental requirements by minimizing power consumption and waste.

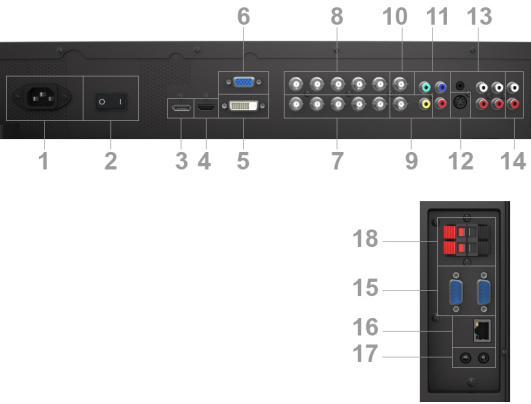
**P-Series Products** - designed to last and offer trouble-free operation. Control and monitoring features are industry leading.

**Intelligent Power Management Features** - for reduced total cost of ownership (TCO)

**P-Series** - offer precise colour reproduction and DICOM gamma curve.

## OUTSTANDING PERFORMANCE

- **<p>Medioplayer and Built-In PC.** NEC offers a medioplayer and a built-in PC as playback devices as well as HD-SDI, DVI-Daisy chain boards and CAT5 extension as option slot modules.
- **<p>DisplayPort and HDMI** along with a LAN interface for screen control are unique in this combination in a Public Display and secure future proofness.
- **<p>Ambient Light Sensor.** With the ambient light sensor, efficient product design and high quality components power consumption is minimized.
- **<p>OSD.** Information on the inside temperature through OSD and extensive user fan control are unique and secure unparalleled reliability. The displays can send alarm emails via free NEC LAN software in the unlikely event of a problem.



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

SPECIAL CHARACTERISTICS

Carbon footprint meter, User controllable fans with speed and threshold adjustments, OSD rotation for portrait mode, Overheating protection, PIP with 2 PC inputs, Rapid input switching, Scheduler Function (with RTC), User defined input names, User input priority definition



Technical Specification NEC MultiSync® P551	
DISPLAY	
Panel Technology	S-PVA TFT
Active Screen Area (W x H) [mm]	1,209.6 x 680.4
Screen Size [inch/cm]	55 / 138.8
Aspect Ratio	16:9
Pixel Pitch [mm]	0.63
Brightness (shipping) [cd/m²]	500 (factory setting), 700 peak
Contrast Ratio (typ.)	3000:1
Viewing Angle [°]	178 horizontal / 178 vertical (typ. at contrast ratio 10:1)
Colours [Mio.]	16.77
Response Time (typ.) [ms]	8 (grey-to-grey)
Panel Refresh Rate [Hz]	120
SYNCHRONISATION RATE	
Horizontal Frequency [kHz]	31.5 - 91.1 (analog and digital)
Vertical Frequency [Hz]	50 - 85
RESOLUTION	
Native Resolution	1920 x 1080 at 60 Hz
Supported	1024 x 768; 1280 x 1024; 1280 x 768; 1360 x 768; 1440 x 1050; 1600 x 1200; 1680 x 1050; 640 x 480; 720 x 400; 800 x 600; 832 x 624
CONNECTIVITY	
Input Video Analogue	1 x D-sub 15 pin; 1 x S-Video; 5 x BNC, Component, Composite (via BNC and Cinch)
Input Video Digital	1 x DVI-D (with HDCP); 1 x HDMI; 1 x DisplayPort
Input Audio Analogue	2 x Cinch (RCA); 1 x 3,5 mm jack
Output Video Analogue	1 x BNC composite out; 5 x BNC for RGBHV, Component and Composite
Remote Control	Ethernet; RS-232C (9-pin D-sub) Input and Output; D-sub 15 and DVI-D (DDC/CI); Remote Control IR
TV AND VIDEO	
Video Modes (no tuner)	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]	280 (typ.); 530W max. (with speakers and built-in PC 100% workload)
Power Savings Mode [W]	< 2
Power Management	VESA DPMS
Power Requirements	100-120 V/220-240 V; 5.3 A/2.2 A; internal power supply
ENVIRONMENTAL CONDITIONS	
Operating Temperature [°C]	+5 to +40 (influence on the max. brightness)
Operating Humidity [%]	20 to 80
MECHANICAL	
Dimensions (W x H x D) [mm]	Without stand: 1,250.2 x 721 x 150
Weight [kg]	Without stand: 40
Bezel Width [mm]	18.5 (left and right); 18.5 (top and bottom)
VESA Mounting [mm]	400 x 400; 4 holes; M6
AVAILABLE OPTIONS	
Option Slot	Built-in PC; CAT 5 receiver; DVI daisy chain board; HD-SDI board; Media Player
Stand	Optional
ADDITIONAL FEATURES	
Colour Versions	Black Front Bezel, Black Back Cabinet
Safety and Ergonomics	CE; EuP; TÜV GS; C-tick; Energy Star 5.0; FCC Class B; UL/C-UL or CSA; CCC; PSB; VCCI; RoHS
Plug and Play	VESA DDC2Bi
Audio	Optional Speakers (15 W + 15 W)
Shipping Content	Display; Power Cable; Remote Control (IR); CD-ROM (User Guides/Manuals); terminal cover Signal Cable: VGA - VGA
Warranty	3 years warranty incl. backlight