

NEC MultiSync® V554-T (Infrared Touch) LCD 55" Infrared Touch Display

Datasheet



Interactive Digital Signage goes plug and play

The interactive touch NEC MultiSync® V554-T display delivers a satisfying user experience with fast and precise touch performance. Even in high bright conditions the display demonstrates strong light resistance to maintain high reliability and accuracy. It's swift and smooth touch response is ideal for kiosk, wayfinding or self-order applications thanks to an improved touch and writing performance. Supporting both single and multi-user applications, usage is versatile with 10 simultaneous touch points. Crisp and clear images and readability from different viewing angles and distances are guaranteed by combining brightness levels of 440 cd/m² with the anti-reflective and super robust glass surface.

The interactive 55" display is designed for retail, hospitality and transportation use to take orders, assist shoppers and guide travellers. In corporate meeting areas and education the V554-T is ideal for creative huddle spaces, to train students and personnel and provide instruction whilst tracking the growing trend of interactivity in our daily lives.

Benefits

Inspiring touch performance boosts user experience - the fast, stable and robust touch performance supports up to 10 touch points.

Resilient and durable design - the 4mm thermal tempered protective glass with single sided anti-glare coating withstands vandalism and ensures perfect readability with reduced reflection and minimal visibility of finger prints.

Simple Plug & Play - easy set-up without the need to install any drivers on the host PC for all major operating systems.

Operational safety even in bright environments - the strong light resistance provides high reliability and accuracy even under difficult, brightly-lit conditions.

Mission-critical 24/7 ready operation - the meticulous selection of industrial-grade components and careful design focused on demanding usage scenarios accompany an impressive and continuous viewer experience.

Product Information

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|---------------|--|
| Product Name | NEC MultiSync® V554-T (Infrared Touch) |
| Product Group | LCD 55" Infrared Touch Display |
| Order Code | 60004356 |

Display

| | |
|---------------------------------|--|
| Panel Technology | S-IPS with Edge LED backlights |
| Active Screen Area (W x H) [mm] | 1,209.6 x 680.4 |
| Screen Size [inch/cm] | 55 / 138.8 |
| Brightness [cd/m ²] | 440 |
| Contrast Ratio (typ.) | 1200:1 |
| Viewing Angle [°] | 178 / 178 (at contrast ratio > 10:1) |
| Colour Depth [bn] | 1.073 (10bit) |
| Response Time (typ.) [ms] | 8 (grey-to-grey) |
| Haze Level [%] | Pro (44) |
| Supported Orientation | Face Up ¹ ; Landscape; Portrait |

Synchronisation Rate

| | |
|----------------------------|----------------------------------|
| Horizontal Frequency [kHz] | 31.5 - 91.1 (analog and digital) |
| Vertical Frequency [Hz] | 24 - 85 |

Resolution

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|-----------------------|--|--|--|--|
| Native Resolution | 1920 x 1080 | | | |
| Supported Resolutions | 4096 x 2160; 3840 x 2160; 1920 x 2160; 1920 x 1200; 1920 x 1080; | 1680 x 1050; 1600 x 1200; 1440 x 900; 1400 x 1050; 1366 x 768; | 1360 x 768; 1280 x 1024; 1280 x 960; 1280 x 800; 1280 x 720; | 1024 x 768; 800 x 600; 640 x 480 |

Connectivity

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|-----------------------|---|
| Input Video Analogue | 1 x VGA |
| Input Video Digital | 1 x DVI-D (with HDCP); 2 x DisplayPort (with HDCP); 2 x HDMI (with HDCP) |
| Input Audio Analogue | 2 x 3,5 mm jack |
| Input Audio Digital | 2 x DisplayPort; 2 x HDMI |
| Input Control | 1 x LAN 100Mbit; 1 x Remote Control (3.5 mm jack); 1 x RS232 |
| Input Data | 1 x microSD (MediaPlayer); 1 x USB 2.0 (MediaPlayer); 1 x USB 2.0 (Service); 1 x USB Type-B (Upstream); 2 x USB 2.0 (Compute Module, 1 x 5V/2A powered) |
| Output Video Digital | 1 x DisplayPort (loop through: DisplayPort, OPS slot-in PC) |
| Output Audio Analogue | 1 x 3,5 mm jack |
| Output Control | 1 x LAN 100Mbit |

Open Modular Intelligence

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|--|--|
| OPS Slot | Slot Technology: Open pluggable specification (NEC / Intel OPS standard) |
| OPS Max. Current / Power Consumption [A / W] | 10 / 61 |
| Compute Module Slot | Slot Technology: Compute Module 3 Slot (NEC proprietary standard) |

Sensors

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|----------------------|--|
| Ambient Light Sensor | Integrated, triggered actions programmable |
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|--------------------|--|
| Human Sensor | Optional, external, 4-5m range, triggered actions programmable |
| Temperature Sensor | Integrated, 3 sensors, triggered actions programmable |
| NFC Sensor | Integrated, 2cm range, free NEC Android App required |

Electrical

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|--------------------------------|--|
| Power Consumption Eco/max. [W] | 110 Eco (shipment setting), 150 |
| Power Savings Mode [W] | < 0.5 (ECO Standby); < 3 (Networked Standby) |
| Power Management | VESA DPMS |

Environmental Conditions

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|----------------------------|-----------|
| Operating Temperature [°C] | +0 to +35 |
| Operating Humidity [%] | 20 to 80 |

Mechanical

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|-----------------------------|--|
| Dimensions (W x H x D) [mm] | 1,278.6 x 749.4 x 85.9 |
| Weight [kg] | 39 |
| Bezel Width [mm] | 33.4 (left and right); 33.4 (top and bottom) |
| VESA Mounting [mm] | 300 x 300 (FDMI); 4 holes; M6 |
| Ingress Protection | IP5X (front); IP2X (back) |

Glass

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|------------------------|--------------------------------------|
| Thickness [mm] | 4 |
| Type | Thermal-tempered, anti-glare coating |
| Light Transmission [%] | 88 (+/- 1 %) |

Touch

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|----------------------------|---|
| Touch Technology | Infrared |
| Number of Touches | Real multi-touch up to 10 touches |
| Response Time [ms] | ≤ 15 |
| Touch Method | Finger; Gloves; Stylus (≥ 6 mm) |
| Supported Operating System | Android; Linux; Mac OS; Raspberry Pi; Windows |
| Data Interface | USB-HID |
| Touch Resolution | 32767 x 32767 |

MediaPlayer

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|--------------------------------------|---|
| Supported File Storage / File System | MicroSDHC / FAT16, FAT32; USB 2.0 / FAT16, FAT32 |
| Supported Image Formats | JPG (baseline, progressive, RGB, CMYK); max. resolution 5000 x 5000; PNG (interlace, alpha channel); max. resolution 4000 x 4000 |
| Supported Video Formats | MP4 / MOV / FLV (video H.264, audio MP3, AAC); max. resolution 1080p at 30 Hz, 1080i at 60 Hz; MPG (video mpeg1/2, audio mpeg audio layer2/3, AAC-LC); MP @ ML, MP @ HL; WMV (video H.264, wmv advanced L3, wmv simple / main, audio mp3 wmv std); max. resolution 1080p at 30 Hz, 1080i at 60 Hz |
| Supported Audio Formats | MP3 (MP3); max. bit-rate 320 kBit/s; WAV (LPCM); max. 48 kHz sampling |

Available Options

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|---------------------|--|
| Accessories | Feet (ST-401); Speaker (SP-TF1); Trolley (PDMHM-L, PD02MHA, PD03MHA); Wall mount (BalanceBox 400 MEDIUM, PD02WHM, PDW S 32-55 L and P, PD02W T L L, PD03W T M P) |
| Compute Module Slot | NEC Compute Module; Raspberry Pi Compute Module 1 and 3 |

OPS Slot HD-SDI 1.5G, 3G; HDBaseT receiver; Intel® Atom, Celeron and Core CPUs; OPS-2C HDMI + DP Interface; OPS-2C Quad 3G SDI

Green Features

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| Energy Efficiency | Ambient light sensor; Annual energy consumption: 175 kWh (based on 4 operating hours per day); Carbon savings meter; ECOMode; Energy efficiency class: B; Human Sensor |
| Ecological Materials | Manuals on CD; Optional feet |

Additional Features

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|-------------------------|--|
| Special Characteristics | Ambient Light Sensor; AMX NetLinx Support; ASCII Control Commands; Auto ID assignment; Auto tiling function; Automated Email Alert; CEC Support; Crestron RoomView Support; DICOM Simulation; Display Browser Control; Emergency Notification; Full System Scheduler; Hardware colour calibration possible; Image flip; Intelligent Wireless Data (based on NFC); KeyGuide; MediaPlayer with Browser Control; NaViSet Administrator 2; OmniColor Control; OSD rotation for portrait mode; PLink Support; Point Zoom Function; Powered USB-Port; Programmable 12-bit LUT with 3 memory banks; Removable Logo; Secure Mode Operation; Slim LED Indicator; SNMP Support; TileMatrix (10 x 10); User readable log function; Various picture in picture options |
| Colour Versions | Black Front Bezel, Black Back Cabinet |
| Safety and Ergonomics | C-tick; CE; EAC; EMC Class B; FCC; PSB; RoHS; SASO; TÜV GS; UL/C-UL; UL/C-UL or CSA; VCCI |
| Audio | Integrated Speakers (10 W + 10 W); Optional Speakers (15 W + 15 W) |
| Shipping Content | CD-ROM (User Guides/Manuals); Display; DVI-D cable; Power Cable; Remote Control; USB cable; User Manual |
| Warranty | 3 years warranty incl. backlight; additional services available; optional 4. + 5. year warranty extension ² |
| Operating Hours | 24/7 |

¹ adjusted usage conditions for face up/down installations, please refer to operational guidelines or contact our support

² please refer to terms and conditions of warranty extensions



VCCI



CE



TÜV GS



RoHS



C-tick

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