

LCD 75" Infrared Touch Display

# Sharp PN-LC752



## Boost engagement in learning environments

When you need to engage your audience, you need to make your delivery interactive. NEC/Sharp's expertise in touch screens for education brings forth the LC series, designed to meet the demand for Bring Your Own Device (BYOD) preferences. Equipped with seamless USB-C connectivity, just a single cable connects display to personal device whilst receiving charge in return. Size up your screen area by connecting another display or projector via HDMI-OUT to be seen by a bigger audience.

An all-in-one solution, the LC series features pre-installed functionality for instant interactivity, and with the EShare feature, content can be wirelessly shared between devices for best collaboration amongst peers and mentors.

For higher education in classrooms and small work groups, the LC series offers low cost, easy to use functionality to boost engagement in learning environments.

## Benefits

**Enjoy a natural writing experience** – with precise and responsive touch interaction through bonded screen technology.

**Get an out-of-the-box-ready experience** – with interactive functionality pre-installed; no external devices needed for an all-in-one solution.

**EShare** – boosts participation by wirelessly sharing content from your device to the display, and from the display to multiple devices simultaneously.

**USB-C connectivity** – instantly appeals to today's users who favour using their own device. A single cable transmits data, video/ audio output and power delivery for the simplest and seamless connection, even powering the connected device at the same time.

**HDMI-OUT** – allows connection of an additional output device such as a projector to present content on a larger canvas to reach a bigger audience.

# Specifications

## Product Information

### Product Name

Sharp PN-LC752

### Product Group

LCD 75" Infrared Touch Display

### Order Code

PNLC752

## Display

### Panel Technology

IPS with Direct LED backlights

### Active Screen Area (W x H) [mm]

1,649.7 x 927.9

### Screen Size [inch/cm]

75 / 189.3

### Aspect Ratio

16:9

### Pixel Pitch [mm]

0.430

### Brightness (without glass) [cd/m<sup>2</sup>]

450

### Contrast Ratio (typ.)

1200:1

### Viewing Angle [°]

178 / 178 (at contrast ratio > 10:1)

### Colour Depth [bn]

1.07 (8bit + FRC)

### Response Time (typ.) [ms]

8 (grey-to-grey)

### Supported Orientation

Landscape

## Touch

### Touch Technology

Infrared

### Number of Touches

Real multi-touch up to 20 touches

### Touch Method

Finger; Gloves; Stylus dual pen tip (3mm/9mm)

### Data Interface

USB 2.0 (full speed) HID; USB powered, plug & play

### Accuracy [mm]

+/- 1

### Windows Ink

No

### Palm Rejection

No

### Operating System

Native Multi-Touch: Windows 8.1/10/11, Linux, Android 9.0 or higher, Chrome OS 87 or higher; Single Touch (Default Mouse): Mac OS 10.15/11/12

## Protective Glass

### Type

Thermal-tempered, anti-glare coating; Zero Bonding

### Bonding Gap [mm]

0.8

### Thickness [mm]

3.2

### Haze Level [%]

3 ~ 8

### Hardness [H]

≥ 8

## Resolution

### Native Resolution

3840 x 2160

### Supported Resolutions

1024 x 768;	1680 x 1050;	640 x 480;
1280 x 1024;	1920 x 1080;	720 x 480;
1280 x 960;	1920 x 720;	720 x 576;
1360 x 768;	3840 x 2160;	800 x 600
1440 x 900;	4096 x 2160;	

## Connectivity

### Input Video Analogue

1 x VGA

### Input Video Digital

1 x DisplayPort (with HDCP); 1 x USB-C (with HDCP, 65 W); 3 x HDMI (with HDCP)

### Input Audio Analogue

1 x 3,5 mm jack

### Input Control

1 x RS232; LAN 10Base-T/100Base-TX/1000Base-T

### Input Data

4 x USB 3.0 (Type-A)

### Input Touch

1x USB Type-C (shared with video input); 2 x USB 3 (Type-B)

### Output Video Digital

1 x HDMI (loop through: HDMI, DP, OPS slot-in PC, Android SoC)

### Output Audio Analogue

1 x 3,5 mm jack

### Output Audio Digital

1 x SPDIF

### Input Detect

Last

## Open Modular Intelligence

### OPS Slot

Slot Technology: Open pluggable specification (NEC / Intel OPS standard)

### OPS Max. Current / Power Consumption [A / W]

4.74 / 90

## Electrical

### Power Consumption [W]

200 Eco (shipment setting), 420

### Power Savings Mode [W]

< 0.5 (ECO Standby); < 2 (Networked Standby)

### Power Supply

100-240 V AC; 50/60 Hz

## Environmental Conditions

### Operating Temperature [°C]

+5 to +35

### Operating Humidity [%]

20 to 80

## Mechanical

### Dimensions (W x H x D) [mm]

1,722.5 x 1,032.1 x 87.1

### Weight [kg]

51

### Bezel Width [mm]

21.9 (left/right/top); 53.2 (bottom)

### VESA Mounting [mm]

4 holes; 800 x 400 (FDMI); M8

### Packaging Dimensions (W x H x D) [mm]

1,900 x 1,125 x 225

### Packaging Weight [kg]

63

### Material

Aluminum alloy (front side); metal (back side)

## Embedded Computing

### System Version

Android 11

### CPU

Arm Cortex-A55 (Quad-Core)

### System Memory

4G RAM

### Internal Storage

16GB ROM

### Android Features

Hide compass and side bar

### Built-in Applications

File Manager; Input Select; Setting; Web Browser; Whiteboard; Wireless Screen Sharing - E-Share

### Built-in Tools

Annotation overlay mode; Calculator; Calender; Compass for shortcut button; Screen recorder; Timer; Voting Kit

## Bluetooth

### Bluetooth

4.2 compliant, supported protocols: A2DP, AVRCP, GATT, HID, HSP, HFP

## Wireless LAN

### WLAN

IEEE802.11 ac/n/a/g/b compliant

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## Available Options

### Accessories

Pen software license extension PN-SU01; Soundbar (PN-ZCMS1); Trolley (PD02MHA, PD03MHA, L20PNSR780MEU); USB-C cable (USB-C 5M); Wall mount (SF680P)

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### OPS Slot

Recommended: OPS Enterprise Pro (100016449), OPS Enterprise Ultra (100016450)

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## Regulatory

### Safety and Ergonomics

CE; FCC; RCM; REACH; RoHS; UKCA; UL/C-UL

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## Green Features

### Energy Efficiency

ECOMode; LED backlight

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## 3rd Party Certifications

### Barco ClickShare

Tested compatible for Barco ClickShare (Conference)

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## Additional Features

### Special Characteristics

CEC Support; HDMI ARC; NaViSet Administrator 2 - free download; Powered USB Port (65 W)

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### Audio

Integrated Speakers (15 W + 15 W)

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### Shipping Content

1x 300 cm USB Cable; 2 x Passive Stylus; 2x AAA batteries; Blank Sticker; Bracket for Camera; Cable Clamps; Display; Pen Tray; Power Cable; Remote Control; User Manual; Wireless Adapter

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### Warranty

3 years warranty incl. backlight; optional 4. + 5. year warranty extension<sup>1</sup>

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### Operating Hours

16/7

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### Remote Management

NaViSet Administrator 2

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### Security

Disable HW Buttons; Disable IR Functionality; Disable USB and LAN Ports

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<sup>1</sup> please refer to terms and conditions of warranty extensions



RCM



CE



RoHS

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