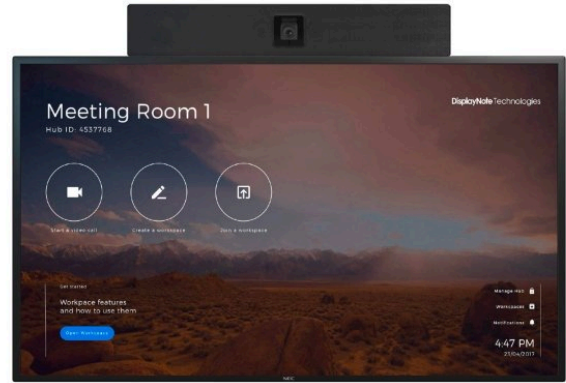
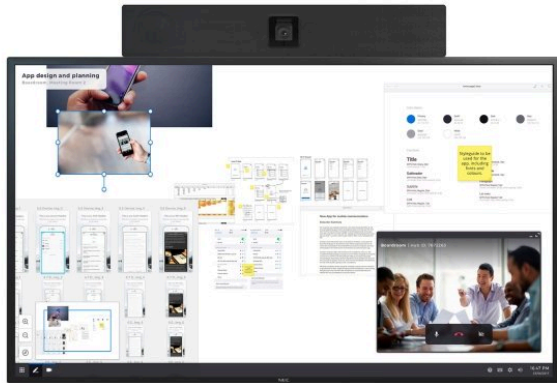


LCD 55" All-in-One Collaboration Solution

NEC 55" InfinityBoard®



Take your meeting anywhere you want

NEC's InfinityBoard is a powerful and scalable workspace that is designed to fit any meeting scenario. Brainstorming, reviewing, video conferencing or collaborating, whatever the objectives of your meeting, the InfinityBoard is the modular solution that's here to help create your ideal meeting space.

This 55" screen size is designed for huddle spaces hosting smaller groups. It has an optimised collaboration bar, integrated microphone, and camera, so it's easy to co-create documents and share ideas. It can be transferred room-to-room via a trolley and easily accommodates up to six people, making it the perfect spontaneous and informal meeting area.

The InfinityBoard comes with an ultra-high definition InGlass™ touch display and two passive pens. Its design also includes an ultra-wide angle Huddly video conferencing camera and high-end conference speakers. The combination of an open platform and Windows 10 Professional allows to tailor the solution according to the customers' requirements without restriction to any particular software, video conferencing app or infrastructure. Uniting all this, the InfinityBoard facilitates smart collaboration in modern meeting spaces.

Benefits

Best-in-class visual performance – benefit from a „pixel-free“ Ultra-High Definition (UHD) visual performance.

Natural writing experience – it's like working on paper! Whether using finger or pen, the InGlass™ touch technology provides seamless interactive touch performance including Windows Ink and palm rejection.

Simplify video conferencing – get started with an integrated, ultra-wide-angle camera and high-class conference speakers for perfect audio clarity.

Future-proof PC option and reduced footprint – the integrated Slot-In PC using the integrated OPS option slot future-proofs your investment whilst reducing the product footprint and installation efforts.

Custom fit to your application needs – modular approach with Windows 10 operating system makes this a highly flexible solution supporting your company specific apps to succeed in your business.

Specifications

Product Information

Product Name

NEC 55" InfinityBoard®

Product Group

LCD 55" All-in-One Collaboration Solution

Order Code

40001262

Display

Panel Technology

S-PVA with edge LED backlights

Active Screen Area (W x H) [mm]

1,209 x 680

Screen Size [inch/cm]

55 / 140

Brightness [cd/m²]

500, 300 Eco (shipment setting)

Contrast Ratio (typ.)

4000:1

Viewing Angle [°]

178 horizontal / 178 vertical (typ. at contrast ratio 10:1)

Response Time (typ.) [ms]

6 (grey-to-grey)

Haze Level [%]

25

Supported Orientation

Face Up ¹; Landscape; Portrait

Touch

Touch Technology

InGlass™

Number of Touches

Real multi-touch up to 20 touches

Response Time [ms]

≤ 15

Touch Method

Finger; Gloves; Stylus (≥ 2 mm)

Supported Operating System

Native Multi-Touch: Windows 7-11, Linux, Android; Default Mouse: Windows XP and Vista, Mac OS

Data Interface

USB-HID

Accuracy [mm]

< 1

Protective Glass

Type

Premium toughened glass, anti-glare coating

Thickness [mm]

3

Light Transmission [%]

88 (+/- 1 %)

Resolution

Native Resolution

3840 x 2160 at 60 Hz

Supported on DisplayPort and HDMI

1024 x 768;	1360 x 768;	480p (60 Hz);
1080i;	1600 x 1200;	640 x 480;
1080p;	1920 x 1080;	720p (50/60 Hz);
1280 x 1024;	3840 x 2160 (24/30 Hz);	800 x 600
1280 x 768;		

Supported on DisplayPort only

3840 x 2160 (60 Hz)

Supported on HDMI only

1360 x 768;	4096 x 2160 (24 Hz);	576i (50 Hz)
3840 x 2160 (25 Hz);	480i (60 Hz);	

Synchronisation Rate

Horizontal Frequency [kHz]

28 - 134

Vertical Frequency [Hz]

23 - 85

Connectivity

Input Video Digital

1 x DisplayPort (with HDCP); 2 x DVI-D (with HDCP); 4 x HDMI (with HDCP)

Input Audio Analogue

1 x 3,5 mm jack

Input Audio Digital

1 x HDMI; DisplayPort

Input Control

LAN 100Mbit; remote control wire (3,5mm jack); RS232

Output Audio Analogue

3,5mm jack

Output Control

LAN 100Mbit

USB Hub

4x USB 3.0

Remote Control

LAN with SNMP; Remote Control IR (internal/external (optional) sensor); RS-232C (9-pin D-sub) Input

Open Modular Intelligence

OPS Slot

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

Inrush Current [A]

max. 10

Power Consumption [W]

max. 61

Voltage / Current [V/A]

16/4

Sensors

Human Sensor

Optional, external, 4-5m range, triggered actions programmable

Temperature Sensor

Integrated, 3 sensors, triggered actions programmable

Electrical

Power Consumption [W]

162 Eco (shipment setting)

Power Savings Mode [W]

< 0.5; < 0.5 (ECO Standby)

Power Management

VESA DPMS

Environmental Conditions

Operating Temperature [°C]

+0 to +35

Operating Humidity [%]

20 to 80

Mechanical

Dimensions (W x H x D) [mm]

Without stand: 1,284.8 x 877.3 x 86.1

Weight [kg]

Without stand: 45.7

Bezel Width [mm]

18.4 (left/right); 18.4 (top/bottom)

VESA Mounting [mm]

4 holes; 400 x 400 (FDMI); M8

Ingress Protection

IP40 (front); IP20 (back)

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

Box 1: 1,430 x 250 x 290; Box 2: 1,400 x 250 x 250

Packaging Weight [kg]

Box 1: 47.5; Box 2: 7.7

Video Conference Camera

Viewing Angle [°]

150 diagonal / 120 horizontal / 90 vertical

Resolution

Output HD 720p
30fps

Aspect Ratio

16:9

Optical Capabilities

Digital Pan / Tilt / Zoom with 3x lossless digital zoom

Driver

Plug&Play, driverless install

Connectivity

SuperSpeed USB

Software Specification

3DNR sensor-model-based visual noise reduction; Flicker elimination; High-quality video scaling and dewarping; Optical aberration correction; Robust automatic white balance; Spatio-temporal noise filtering

Conference Speakers

Input (max.) [W]

40

Rated Speaker Impedance [Ω]

8

Frequency Response Rate [Hz-kHz]

70 to 15

Sound Pressure Level [dB]

82.1 (2.83 V)

OPS Slot-In PC

CPU

Intel® i7-7820EQ 4 x 3 GHz base frequency (up to 3.7 GHz turbo mode)

Graphics

630 integrated Gen9-LP graphics controller

SSD

up to 2 M.2 SSD (SATA), 128 GB

RAM

8 GB (DDR4), dual channel mode

Operating System

Microsoft Windows 10 Professional

Interfaces Frontside

1 x Micro Sim Card; 1 x USB 2.0; 1 x USB 3.1 Gen1 Type C; 2 x Antenna for WiFi; 2 x DisplayPort 1.2 ++; 2 x USB 3.0; RJ45 10 / 100 / 1000 Mbps

Interfaces Backside

Internal HDMI 1.4 or DisplayPort 1.2; Internal OPS interface to OPS slot-in PC (JAE 80-pin connector)

Wi-Fi

Intel Dual Band Wireless-AC 8260 802.11ac, dual band; Wi-Fi and bluetooth 4.2 adapter

Security

TPM (Trusted Platform Module)

EDID/DDC Support

Internal OPS Interface DisplayPort up to 4096 x 2160 at 60 Hz

Microphone/Echo-Cancelling

Frequency [kHz]

32, sampling frequency

Bandwidth [Hz - kHz]

100 to 16

Echo Cancelling

2 levels of echo cancelling, aggressiveness and 3 levels of echo cancelling speed

Controllable Teal Length [mms]

up to 220

Noise Supression

Residual noise suppressed to environment noise level to prevent pumping noise

Pre-set Colour Filters

8 pre-set colour filters for both the output and the speaker signal

Delay [msec]

10

Mic Level [mV]

280 peak-to-peak

Line Level [V]

2/4 peak-to-peak

Boost [dB]

6

Available Options

Accessories

Trolley (PD03 Tipster, PDMHM-L); Wall mount (PDW S 32-55 PL, BalanceBox400-2)

Regulatory

Safety and Ergonomics

CE; EMC Class B; RoHS

Green Features

Energy Efficiency

Annual energy consumption: 219 kWh (based on 4 operating hours per day); Carbon Savings Meter; ECOMode; Energy Efficiency Class: B; Human Sensor

Additional Features

Special Characteristics

Carbon footprint meter; DICOM Simulation; NaViSet Administrator 2 - free download

Audio

Integrated Speakers (10 W + 10 W); Optional Speakers (15 W + 15 W)

Shipping Content

1x 10 cm USB Cable; 2 x Stylus; 2x 300 cm USB Cable; Cable Clamps; CD-ROM (User Guides/Manuals); Collaboration Soundbar; Display; DisplayPort Cable; OPS Slot-in PC; Power Cable; Remote Control

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



CE



RoHS

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